South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 · www.aqmd.gov

October 4, 2011

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

Dear Mr. Rios:

SUBJECT: Shultz Steel Company (ID 16639) Title V Permit Revision

Shultz Steel Company has proposed to revise their Title V permit by changing the NOx concentration limit for Device D8 to reflect the results of the most current source test.

This is a custom steel parts fabrication facility (SIC 3462) located at 5321 Firestone Boulevard, South Gate, CA 90280. This proposed permit revision is considered as a "de minimus significant permit revision" to their Title V permit. Attached for your review are the permit evaluation and proposed Section D. With your receipt of the proposed Section D today, we will note that the EPA 45-day review period begins on October 4, 2011.

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

Sincerely,

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

BLY:kh
Attachments

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	Page	1 of 3
	A/N	526340
ENGINEERING & COMPLIANCE	Processed By	KH
	Checked By	
APPLICATION PROCESSING AND CALCULATIONS	Date	10/3/11

Applicant's Name: Shultz Steel
Mailing Address: 5321 Firestone Blvd.
South Gate, CA 90280

Equipment Location: Same

Equipment Description:
FURNACE D8 (Change RECLAIM concentration limit) 11.2 MM BTU/hr

HISTORY:
Application received on: 8/25/11
Equipment installed: Yes
Violations recorded: 1 Notice of Violation was issued in the last two years. Notice of Violation (NOV) P52573 was issued on 6/16/11, for failure (1) to submit an accurate QCER, (2) to calculate and report all Rule 219 equipment emissions, (3) to calculate Process Unit emissions, and (3) to comply with Large and Process NOx concentration limits. The compliance with the NOV was achieved on 8/15/11.

The application was filed to change RECLAIM NOx concentration limit from 41 ppm @ 3% O2 to 55 ppm @ 3% O2

Previous	
Permit	Application
G14519	521049

Operating Schedule*:

hrs/day	24
days/wk	7
weeks/yr	52

Emissions*

	RHC/TOG	*NOx*	*SOx*	*CO*	*PM10*
lb/hr	0.08	1.99	-	0.40	0.09
lb/day	2	48	-	10	2
lb/yr	698.88	17,384.64	-	3,494.40	786.24

*Information from A/N 521049

History of application filing & NOx concentrations:

Table 1

A/Ns	Previous A/Ns	Nox Concentration Change, ppm at 3% O_2 From	To	Remarks
198317	None			Rule 219 equipment prior to 6/3/88. Permit was required due to a change in Rule 219 on June 3, 1988.
330895	198317	166	245	
337916	330895			Removal of propane fuel system
387523	337916	245	137	
420798	387523	137	65	
454770	420798	65	30.09	
477527	454770	30.09	33	
521049	477527	33	41	
526340	521049	41	55	

From information in Table 1, the equipment was a Rule 219 equipment prior to 6/88 and, except for the removal of the propane fuel system, has not been modified.

RULES EVALUATION

Rule 212:

(c) (1): Emissions near a school

There is no emission increase due to the NOx concentration change. This is not a project requiring notification as described in this paragraph.

(c) (2): On-site emission increases exceeding the daily maximums

There is no emission increase due to the NOx concentration change. This is not a project requiring notification as described in this paragraph.

(c) (3):

There is no increase in emissions of toxic air contaminants due to the NOx concentration change. This is not a project requiring notification under this paragraph.

(g):

There is no emission increase due to the NOx concentration change. This is not a project subject to the notification requirements of subdivision (g) of this rule.

Rule 401:

No visible emissions are expected from this type of equipment. Compliance is expected.

Rule 402:

Nuisance problems due to the operation of this equipment are unlikely.

Rule 404:

Combustion of natural gas does not generate a significant amount of PM emission. Compliance is expected.

Rules 407/409:

This equipment is fired with natural gas. Compliance is expected.

Rule 1147:

Because the equipment is located at a RECLAIM facility, it is exempted per rule (g) (1) (B).

Regulation XIII:

VOC, SOx & PM10:

Because the NOx limit is changed to reflect the S/T results and the equipment has not been modified since it was last permitted, there will be no emission increase for these pollutants. A new NSR evaluation is not triggered.

CO:

CO is in attainment. See Rule 1703 evaluation.

Rule 1703 - PSD Analysis:

There is no CO emission increase due the change of NOx concentration, all requirements of Regulation XVII - Prevention of Significant Deterioration - are not applicable.

Rule 2005 - New Source Review for RECLAIM

Because the NOx limit is changed to reflect the S/T results and the equipment was Rule 219 equipment prior to 6/88 & has not been modified since it was first permitted, NSR is not applicable.

Rule 1401:

There is no toxics emission increase due to the NOx concentration change, this rule is not applicable.

DISCUSSIONS

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

RECOMMENDATIONS

Issue Permit to Operate.

FACILITY PERMIT TO OPERATE
SHULTZ STEEL CO

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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 OPERATION					
FURNACE, ROTARY, NO.FD-8, NATURAL GAS, 7.035 MMBTU/HR WITH A/N: 480319 BURNER, NATURAL GAS, NORTH AMERICAN, MODEL 4825-6Z, 7 TOTAL; 1.005 MMBTU/HR	D3		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 108.44 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]**	B59.1, D12.2, D28.5
FURNACE, NO.FHH, NATURAL GAS, 9.6 MMBTU/HR A/N: 523410	D4		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 80 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]**	B59.1, D28.5
FURNACE, ROTARY, NO.689-2-PM, FUS, NATURAL GAS, 16 MMBTU/HR WITH A/N: 459748 BURNER, NATURAL GAS, HOTWORK, MODEL HV-300, 16 TOTAL; 1 MMBTU/HR HEAT EXCHANGER	D5		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 47.5 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]**	B59.1, C1.6, C19.1, D12.2, D12.3, E71.1

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(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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Process 1: FORGING OPERATION					
FURNACE, NO.FBE, NATURAL GAS, 11.2 MMBTU/HR A/N:	D8		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 55 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]**	B59.1
FURNACE, NO.FBR, NATURAL GAS, HEAT TREATING, REGENERATIVE TYPE, 15.6 MMBTU/HR WITH A/N: 521056 BURNER, BLOOM ENGINEERING, MODEL S1500-40B, 12 TOTAL; 1.3 MMBTU/HR	D9		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 49 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]**	B59.1
FURNACE, NO.FUR, NATURAL GAS, WITH LOW NOX BURNER, 16 MMBTU/HR WITH A/N: 521050 BURNER, NATURAL GAS, HOTWORK, MODEL HV-300, 16 TOTAL; 1 MMBTU/HR	D10		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; NOX: 54 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]**	B59.1

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(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
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(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
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Process 1: FORGING OPERATION					
FURNACE, NO.FBF, NATURAL GAS, 11.2 MMBTU/HR A/N: 478743	D11		NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 55 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]**	B59.1
FURNACE, NO.FRB, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 454766 BURNER, NATURAL GAS, ZEDTEC, MODEL HV-400, WITH LOW NOX BURNER, 4 TOTAL; 1.5 MMBTU/HR	D12		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 39.23 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]**	B59.1, D12.1, D28.5, D323.1
FURNACE, NO.FDR, NATURAL GAS, 4 5 MMBTU/HR A/N: 480320	D13		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 70.31 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]**	B59.1, C1.18, D28.5
FURNACE, NO.FDS, NATURAL GAS, 6 MMBTU/HR A/N: 521057	D14		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 90 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]**	B59.1, C1.19, D28 5

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(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.

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Process 1: FORGING OPERATION					
FURNACE, NO.FDV, NATURAL GAS, 3 MMBTU/HR WITH A/N: 454765 BURNER, HOTWORK COMBUSTION TECHNOLOGY, MODEL HV-400, 2 TOTAL; 1.5 MMBTU/HR	D15		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 48 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]**	B59.1, C1.12, D28.5
FURNACE, FUF, NATURAL GAS, WITH LOW NOX BURNER, 12 MMBTU/HR WITH A/N: 455695 BURNER, NATURAL GAS, HOTWORK, MODEL HV400, 6 TOTAL; 2 MMBTU/HR	D17		NOX: LARGE SOURCE**	**CO**: 2000 PPMV (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 (5) **[RULE 409, 8-7-1981]**	B59.1
FURNACE, NO.FFE, NATURAL GAS, 12 MMBTU/HR A/N: 337934	D18		NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 55 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]**	B59.1

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(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.)
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Process 1: FORGING OPERATION					
FURNACE, NO.FFD, NATURAL GAS, 12 MMBTU/HR A/N: 337935	D19		NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 55 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]**	B59.1
FURNACE, NO.FPN, NATURAL GAS, 10.4 MMBTU/HR A/N:	D21		NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 65 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]**	B59.1
FURNACE, NO.26, FHX, NATURAL GAS, 5.9 MMBTU/HR A/N: 521051	D22		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 55 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]**	B59.1, D28.5
FURNACE, NO.25, FFB, NATURAL GAS, 5.9 MMBTU/HR A/N: 521058	D23		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 62 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]**	B59.1, D28.5

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Process 1: FORGING OPERATION					
FURNACE, NO.FPM, NATURAL GAS, REGENERATIVE BURNERS, 8.2 MMBTU/HR MAXIMUM HEAT INPUT, WITH LOW NOX BURNER, 16.4 MMBTU/HR WITH A/N: 477521 BURNER, NATURAL GAS, ZEDTEC, MODEL HOTWORK EJ06, WITH LOW NOX BURNER, 2 TOTAL; 8.2 MMBTU/HR	D26		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 65 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]**	A63.1, D12.1, D28.5, D323.1
FURNACE, NO. FPL, NATURAL GAS, REGENERATIVE BURNERS, 8.2 MMBTU/HR MAXIMUM HEAT INPUT, WITH LOW NOX BURNER, 8.2 MMBTU/HR WITH A/N: 433450 BURNER, NATURAL GAS, ZEDTEC, MODEL HOTWORK EJ06, WITH LOW NOX BURNER, 2 TOTAL; 8.2 MMBTU/HR	D27		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (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 (5) **[RULE 409, 8-7-1981]**	A63.1, D12.1, D323.1
FURNACE, HEAT TREATING, NO.FHN, NATURAL GAS, 4.6 MMBTU/HR A/N: 477523	D28		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 65.6 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]**	B59.1, D12.1, D28.5, D323.1

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Process 1: FORGING OPERATION					
FURNACE, FORGE, ROTARY, FPK, NATURAL GAS, 8 MMBTU/HR WITH A/N: 468861 BURNER, NATURAL GAS, GDA ASSOCIATES, MODEL HV300 COLD AIR PULSED, 8 TOTAL; 1 MMBTU/HR	D42		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (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 (5) **[RULE 409, 8-7-1981]**	B59.1, D28.5
FURNACE, FORGE, ROTARY, FNH, NATURAL GAS, 8 MMBTU/HR WITH A/N: 469865 BURNER, NATURAL GAS, GDA ASSOCIATES, MODEL HV300 COLD AIR PULSED, 8 TOTAL; 1 MMBTU/HR	D46		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 (5) **[RULE 409, 8-7-1981]**	B59.1, D28.5

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Process 1: FORGING OPERATION					
FURNACE, FORGE, FNE, NATURAL GAS, BOX TYPE, WITH LOW NOX BURNER, 15 MMBTU/HR WITH A/N: 521067 BURNER, NATURAL GAS, ECLIPSE, MODEL THERMJET 075, WITH LOW NOX BURNER, 20 TOTAL; 0.75 MMBTU/HR	D47		NOX: LARGE SOURCE**	**CO**: 2000 PPMV NATURAL GAS (5) **[RULE 407, 4-2-1982]**; **NOX**: 55 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]**	B59.1, C1.19, C1.20
FURNACE, FORGE, REISNER, NO. 23, AFA, NATURAL GAS, PRE HEATED AIR, 5.9 MMBTU/HR A/N: 521065	D49		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 87 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]**	B59.1, C1.19, D28.5
FURNACE, HEAT TREATING, RHA, WITH TWO ECS, MODELO HV 400 AND TWO ECS, MODEL NO. HV 600 BURNERS, NATURAL GAS, 12 MMBTU/HR A/N: 521053	D51		NOX: LARGE SOURCE**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 51 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]**	B59.1

* (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
SHULTZ STEEL CO

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 OPERATION					
FURNACE, FORGE, FXR, ROTARY HEARTH TYPE, THORPE TECHNOLOGIES INC., NATURAL GAS, WITH LOW NOX BURNER, 32 MMBTU/HR A/N: 521064	D73		NOX: LARGE SOURCE**	**CO**: 2000 PPMV NATURAL GAS (5) **[RULE 407, 4-2-1982]**; **NOX**: 34.1 PPMM NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **NOX**: 60 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, C1.19
FURNACE, NO.20N, FUH, NATURAL GAS, WITH LOW NOX BURNER, 6 MMBTU/HR WITH A/N: 420800 BURNER, NATURAL GAS, ZEDTEC, MODEL HV-400, WITH LOW NOX BURNER, 2 TOTAL; 2 MMBTU/HR BURNER, NATURAL GAS, ZEDTEC, MODEL HV-300, WITH LOW NOX BURNER, 2 TOTAL; 1 MMBTU/HR	D76		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]**	B59.1, C1.3, D12.1, D28.5

* (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
SHULTZ STEEL CO

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 OPERATION					
FURNACE, RHC, NATURAL GAS, WITH LOW NOX BURNER, 8 MMBTU/HR A/N: 521062	D99		NOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 44 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]**	B59.1, C1.19, D28.5, E71.2
Process 2: ABRASIVE BLASTING					
ABRASIVE BLASTING, MACHINE, CGR A/N: 348079	D30	C58 C59		**PM**: (9) **[RULE 1140, 8-2-1985; RULE 405, 2-7-1986]**	D323.2
ABRASIVE BLASTING, MACHINE, CB1 A/N: 447950	D32	C103 C104		**PM**: (9) **[RULE 1140, 8-2-1985; RULE 405, 2-7-1986]**	C1.17, D323.2
ABRASIVE BLASTING, MACHINE, NO. B, CGQ, PANGBORN, MODEL ROTOBLAST 12LK-1, STEEL GRIT, HEIGHT: 6 FT ; DIAMETER: 12 FT A/N: 351261	D44	C58 C59		**PM**: (9) **[RULE 1140, 8-2-1985; RULE 405, 2-7-1986]**	D323.2
ABRASIVE BLASTING, ENCLOSED, CG7, PANGBORN, MODEL NO. A, ROTOBLAST 12LK-1, STEEL GRIT, WITH THREE WHEELS, EACH 25 HP, HEIGHT: 6 FT ; DIAMETER: 12 FT A/N: 447948	D87	C58 C59		**PM**: (9) **[RULE 1140, 8-2-1985; RULE 405, 2-7-1986]**	A433.1, C1.15, D323.2, E190.1
BAGHOUSE, WHEELABRATOR, MODEL 144 TA-SB, PULSE JET CLEANED, 4230 SQ.FT.; 225 BAGS A/N: 447954	C53	D95 D96		**PM**: (9) **[RULE 404, 2-7-1986]**	C6.1, D322.1, D381.1, E102.1, 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
SHULTZ STEEL CO

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 2: ABRASIVE BLASTING					
ABRASIVE BLASTING, ROOM, CGN, 1 TOTAL; WIDTH: 32 FT ; HEIGHT: 10 FT ; LENGTH: 8 FT A/N: 348486	D60	C58 C59		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	B59.2, D323.2, E17.2
ABRASIVE BLASTING, ROOM, CB2, 1 TOTAL; WIDTH: 32 FT ; HEIGHT: 10 FT ; LENGTH: 8 FT A/N: 348487	D63	C58 C59		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	B59.2, D323.2, E17.2
BAGHOUSE, NO. 5, CLOTH FILTER, TORIT, MODEL 484-RF-8, WITH 5034 SQ. FT., 484 BAGS, , REVERSE AIR CLEANING, AND A GOYEN MODEL BBD5 BAG LEAK DETECTION SYSTEM A/N: 510607	C58	D30 D44 D60 D63 D87 D90 D101 D102		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	A72.1, C6.1, D322.1, D381.1, E102.1, E193.1, H23.2, K67.1
BAGHOUSE, NO. 6, CLOTH FILTER, TORIT, MODEL 484-RF-8, WITH 5034 SQ. FT., 484 BAGS, REVERSE AIR CLEANING, AND A GOYEN MODEL BBD5 BAG LEAK DETECTION SYSTEM A/N: 510608	C59	D30 D44 D60 D63 D87 D90 D101 D102		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	A72.1, C6.1, D322.1, D381.1, E102.1, E193.1, H23.2, K67.1
ABRASIVE BLASTING, ENCLOSED, RBR, WHEELABRATOR, WITH TWO TABLES AND TWO WHEELS, EACH 30 HP A/N: 447946	D90	C58 C59		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	A433.1, C1.13, D323.2, E190.1

* (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
SHULTZ STEEL CO

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 2: ABRASIVE BLASTING					
ABRASIVE BLASTING, ROOM, RNB, GLASS BEAD ABRASIVE WITH A/N: 412819 ABRASIVE BLASTING NOZZLE, GLASS BEAD ABRASIVE, 1 TOTAL; DIAMETER: .19 IN; 60 PSIA	D95	C53		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	A433.1, C1.8, D323.2, E190.1
ABRASIVE BLASTING, ROOM, RNA, STEEL SHOT WITH A/N: 412820 ABRASIVE BLASTING NOZZLE, STEEL SHOT, 1 TOTAL; DIAMETER: .19 IN; 60 PSIA	D96	C53		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	A433.1, C1.9, D323.2, E190.1
ABRASIVE BLASTING, ENCLOSED, CGL, PANGBORN ROTOBLAST, WITH ONE 5 HP WHEEL, STEEL GRIT, DRUM TYPE A/N: 447947	D101	C58 C59		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	D323.2
ABRASIVE BLASTING, CABINET, CB3, PANGBORN, MODEL 4/140DD, STEEL GRIT, WITH FOUR IMPELLERS, 25 HP EACH A/N: 447949	D102	C58 C59		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	A433.1, C1.16, D323.2, E190.1
BAGHOUSE, CLOTH FILTER, TORIT, MODEL 484-RF-8, WITH 5034 SQ. FT., 484 BAGS, REVERSE AIR CLEANING, AND A GOYEN MODEL BBD5 BAG LEAK DETECTION SYSTEM A/N: 510609	C103	D32		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	C6.1, D322.1, D381.1, E102.1, E193.1, H23.2, 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
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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 2: ABRASIVE BLASTING					
BAGHOUSE, CLOTH FILTER, TORIT, MODEL 484-RF-8, WITH 5034 SQ. FT., 484 BAGS, REVERSE AIR CLEANING, AND A GOYEN MODEL BBD5 BAG LEAK DETECTION SYSTEM A/N: 510610	C104	D32		**PM**: (9)	C6.1, D322.1, D381.1, E102.1, E193.1, H23.2, K67.1
ABRASIVE BLASTING, MACHINE, RVP, CRUCIBLE LANCE BLASTER, STEEL GRIT, PANGBORN ROTOBLAST WITH A/N: 476975 ABRASIVE BLASTING NOZZLE, 2 TOTAL; DIAMETER: .38 IN; 80 PSIG	D111	C113		**PM**: (9) **[RULE 1140, 2-1-1980;** *RULE 1140, 8-2-1985;* **RULE 405, 2-7-1986]**	D323.2
BAGHOUSE, RVD, PANGBORN, MODEL PC 02-04, PULSE JET CLEANED, 760 SQ.FT.; 4 CARTRIDGE A/N: 476978	C113	D111		**PM**: (9) **[RULE 404, 2-7-1986]**	C6.1, D322.1, D381.1, E102.1, K67.1
FILTER, HEPA, WITH TWO HIGH EFFICIENCY PARTICULATE AIR FILTERS A/N: 476978	C114			**PM**: (9) **[RULE 404, 2-7-1986]**	C10.1, D322.1, D381.1, K67.1
Process 4: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E43			**ROG**: (9) **[RULE 1113, 11-8-1996;** *RULE 1113, 7-13-2007;* **RULE 1171, 11-7-2003;** *RULE 1171, 5-1-2009]*	K67.2
Process 5: EMERGENCY INTERNAL COMBUSTION ENGINE OPERATION					
System 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
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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 5: EMERGENCY INTERNAL COMBUSTION ENGINE OPERATION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, SERIAL NO. 11819079, DIESEL FUEL, CUMMINS, MODEL CPL-1921, WITH AFTERCOOLER, TURBOCHARGER, 460 BHP A/N: 383641	D75		NOX: PROCESS UNIT**	**NOX**: 6.9 GRAM/BHP-HR DIESEL (4) ; **NOX**: 469 LBS/1000 GAL DIESEL (1) **[RULE 2012, 12-7-1995;** *RULE 2012, 3-16-2001*]; **PM**: (9) **[RULE 404, 2-7-1986]**	B61.1, C1.1, C1.2, E114.1, K67.3
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, RICH BURN, NATURAL GAS, GENERAC, MODEL 6.8GLPN-70, WITH A 3-WAY CATALYTIC CONVERTER, 110.7 BHP A/N: 383641	D130		NOX: PROCESS UNIT**	**CO**: 2 GRAM/BHP-HR NATURAL GAS (4) **[RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **NOX**: 1.5 GRAM/BHP-HR NATURAL GAS (4) **[RULE 2005, 5-6-2005]**; **NOX**: 1.5 GRAM/BHP-HR NATURAL GAS (3) **[RULE 2012, 5-6-2005]**; **ROG**: 1.5 GRAM/BHP-HR NATURAL GAS (4) **[RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	D12.4, E115.1, E448.3, I296.1, K67.3
Process 6: METAL CUTTING OPERATION					
PLASMA ARC CUTTER, HYPERTHERM, MODEL PAC-500, WITH WATER TABLE AND NOZZLE SHROUD 64 KVA A/N: 405720	D80			**PM**: (9) **[RULE 405, 2-7-1986]**	D323.1, E448.1

* (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.

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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.

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SECTION D: DEVICE ID INDEX

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C59	11	2	0
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SECTION D: DEVICE ID INDEX

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D99	10	1	0
D101	12	2	0
D102	12	2	0
C103	12	2	0
C104	13	2	0
D111	13	2	0
C113	13	2	0
C114	13	2	0
D130	14	5	1

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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 diesel fuel 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

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

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 1 LBS IN ANY ONE DAY
CO	Less than or equal to 2 LBS IN ANY ONE DAY
PM	Less than or equal to 1 LBS IN ANY ONE DAY

[**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]

[Devices subject to this condition : D26, D27]

A72.1 The operator shall maintain this equipment to achieve a minimum removal efficiency of 99.85 percent for PM during the normal operation of the equipment it vents.

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

[Devices subject to this condition : C58, C59]

A433.1 The operator shall not use any materials containing compounds identified in District Rule 1401 as ammended 3/4/05, with the following exceptions:

Compound	Emission Limit (Units)
Manganese	10 wt %
Copper	70 wt %
Lead	10 wt %
Beryllium	0.007 wt %
Vanadium	15 wt %
Ni	0.612 lbs/yr

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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 : D87, D90, D95, D96, D102]

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

[Devices subject to this condition : D3, D4, D5, D8, D9, D10, D11, D12, D13, D14, D15, D17, D18, D19, D21, D22, D23, D28, D42, D46, D47, D49, D51, D73, D76, D99]

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

Abrasive blasting sand

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

[Devices subject to this condition : D60, D63]

B61.1 The operator shall not use diesel fuel containing the following specified compounds:

Compound	weight percent

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Sulfur greater than	0.05

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

[Devices subject to this condition : D75]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 199 in any 12-month period.

To comply with this condition, the operator shall install and maintain a(n) timer to accurately indicate the elapsed operating time of the engine.

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

The operator shall maintain an engine operating log listing the date of operation, reason for operation, the fuel consumption, in gallons, and engine operating time, in hours. The log shall be maintained on file for a minimum of five years and shall be made available to AQMD personnel upon request.

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

[Devices subject to this condition : D75]

C1.2 The operator shall limit the maintenance testing to no more than 50 hour(s) in any one year.

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

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

FACILITY PERMIT TO OPERATE
SHULTZ STEEL CO

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 : D75]

C1.3 The operator shall limit the natural gas fuel usage to no more than 1.68 MM cubic feet in any one calendar month.

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

[Devices subject to this condition : D76]

C1.6 The operator shall limit the fuel usage to no more than 4.9 MM cubic feet per month.

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

[Devices subject to this condition : D5]

C1.8 The operator shall limit the operating time to no more than 300 hour(s) in any one month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the equipment.

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

[Devices subject to this condition : D95]

C1.9 The operator shall limit the operating time to no more than 600 hour(s) in any one month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the equipment.

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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 : D96]

C1.12 The operator shall limit the natural gas fuel usage to no more than 2.057 MM cubic feet in any one calendar month.

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

[Devices subject to this condition : D15]

C1.13 The operator shall limit the operating time to no more than 555 hour(s) in any one month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the equipment.

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

[Devices subject to this condition : D90]

C1.15 The operator shall limit the operating time to no more than 444 hour(s) in any one month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the equipment.

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

[Devices subject to this condition : D87]

FACILITY PERMIT TO OPERATE
SHULTZ STEEL CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.16 The operator shall limit the operating time to no more than 333 hour(s) in any one month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the equipment.

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

[Devices subject to this condition : D102]

C1.17 The operator shall limit the operating time to no more than 480 hour(s) in any one month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the equipment.

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

[Devices subject to this condition : D32]

C1.18 The operator shall limit the natural gas fuel usage to no more than 1.67 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 meter to accurately indicate the fuel usage in the furnace.

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]

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SHULTZ STEEL CO

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 : D13]

C1.19 The operator shall limit the natural gas fuel usage to no more than 24 MM cubic feet in any one calendar month.

this limit is based on the combined natural gas usage of the heat treating furnaces under devices D14, D47, D49, D73, D99, D126 and D128.

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

[Devices subject to this condition : D14, D47, D49, D73, D99]

C1.20 The operator shall limit the natural gas fuel usage to no more than 4.457 MM cubic feet in any one calendar month.

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

[Devices subject to this condition : D47]

C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 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 bags.

The operator shall record the parameter being monitored once every month.

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

[Devices subject to this condition : C53, C58, C59, C103, C104, C113]

C10.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is maintained between 0.5 and 3 inches water column.

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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) differential pressure gauge to accurately indicate the differential pressure across the filter.

The operator shall determine and record the differential pressure across the filter once a week.

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

[Devices subject to this condition : C114]

C19.1 The operator shall maintain Furnace Temperature and Preheat Temperature in accordance with the following relationship:

Furnace Temperature	Deg F	Preheat Temperature	Deg F
Less than or equal to	2000	Less than or equal to	1227
Less than or equal to	2050	Less than or equal to	963
Less than or equal to	2100	Less than or equal to	720
Less than or equal to	2150	Less than or equal to	522
Less than or equal to	2200	Less than or equal to	353
Less than or equal to	2250	Less than or equal to	249
Less than or equal to	2300	Less than or equal to	186
Less than or equal to	2350	Less than or equal to	113

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D5]

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 in the furnace.

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

[Devices subject to this condition : D12, D26, D27, D28, D76]

D12.2 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the furnace.

The operator shall also install and maintain a device to continuously record the parameter being measured.

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

[Devices subject to this condition : D3, D5]

D12.3 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature of the combustion air (Preheat temperature).

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 2005, 5-6-2005]

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SHULTZ STEEL CO

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 : D5]

D12.4 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 7-9-2010; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 6-1-2007]

[Devices subject to this condition : D130]

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

The test shall be conducted every five -year period with the first period ending on December 31, 2009.

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

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D3, D4, D12, D13, D14, D15, D22, D23, D26, D28, D42, D46, D49, D76, D99]

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 : C53, C58, C59, C103, C104, C113, C114]

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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.

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SHULTZ STEEL CO

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 : D12, D26, D27, D28, D80]

FACILITY PERMIT TO OPERATE
SHULTZ STEEL CO

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.

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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 : D30, D32, D44, D60, D63, D87, D90, D95, D96, D101, D102, D111]

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 : C53, C58, C59, C103, C104, C113, C114]

E. Equipment Operation/Construction Requirements

E17.2 The operator shall not use more than 1 of the following items simultaneously:

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Device ID: D61 [ABRASIVE BLASTING NOZZLE]

Device ID: D62 [ABRASIVE BLASTING NOZZLE]

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

[Devices subject to this condition : D60, D63]

E71.1 The operator shall only operate this equipment if the furnace temperature does not exceed 2350 F.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D5]

E71.2 The operator shall only operate this equipment if the furnace temperature does not exceed 2000 F.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D99]

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

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

[Devices subject to this condition : C53, C58, C59, C103, C104, C113]

E114.1 The operator shall not use this equipment in conjunction with any utility voluntary demand reduction program.

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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]

[Devices subject to this condition : D75]

E115.1 The operator shall maintain an automatic air-to-fuel ratio controller so as to regulate the air-to-fuel ratio within tolerance limits as recommended by the catalyst supplier or manufacturer.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 2005, 5-6-2005]**

[Devices subject to this condition : D130]

E190.1 The operator shall maintain a minimum stack height of 25 feet.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D87, D90, D95, D96, D102]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

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SHULTZ STEEL CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The baghouse pressure differential across the filter bags shall be maintained between 1" and 6" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the baghouse filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filters shall be recorded at least once a day.

For the purpose of this condition, a deviation shall be defined as when the pressure differential across the filters is less than 1" of water column or more than 6" of water column occurs during the normal operation of the equipment it serves.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 1" and 6" of water column, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C58, C59, C103, C104]

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

The total weight of chromium in the metal melted or cut shall not exceed 205 pounds in any year.

The total weight of nickel in the metal melted or cut shall not exceed 128 pounds in any year.

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

[RULE 1401, 5-3-2002]

[Devices subject to this condition : D80]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year and 4.17 hours in any one month for maintenance and testing.

Operation beyond the 50 hours per year allotted 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 in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

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

This engine shall not be used as part of an interruptible service contract in which a facility receives a payment or reduced rates in return for reducing electric load on the grid when requested to so by the utility or the grid operator.

[RULE 1110.2, 7-9-2010; **RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1) -BACT, 12-6-2002; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2005, 5-6-2005**]

[Devices subject to this condition : D130]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

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

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C58, C59, C103, C104]

I. Administrative

I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the annual emissions increase for the first 12 months 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 sufficient RTCs in an amount equal to the annual emissions increase.

For the purposes of this condition, the annual emission increase is 73 lbs. of NOx

RTCs held for the purpose of demonstrating compliance with this condition either at the commencement of initial operation or of a compliance year may be sold only after 12 months of start of initial operation or after the fourth quarter of the applicable compliance year, respectively.

To comply with this condition, the operator shall, prior to each compliance year hold a minimum NOx RTCs of 73 lbs.

In accordance with Rule 2005(f), unused RTCs may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st compliance year.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D130]

K. Record Keeping/Reporting

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SHULTZ STEEL CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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]

[Devices subject to this condition : C53, C58, C59, C103, C104, C113, C114]

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 : E43]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

The engine operating log shall be kept and maintained on file to record when the engine is started manually. The log shall list the date of operation, the timer reading in hours at the beginning and end of operation, and the reason for operation.

By January 15th of each year, the operator shall total and record the total hours of operation (including hours for both manual and automatic operation) for the previous calendar year.

All records required by this permit shall be kept in a format that is acceptable to the District, shall be retained on the premises for at least five years, and shall be made available to any District representative upon request.

[RULE 1110.2, 7-9-2010; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;** RULE 1470, 6-1-2007]

[Devices subject to this condition : D75, D130]