

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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 3 : STEEL ANNEALING OPERATION					
FURNACE, ELECTRIC, PRE-MELT, ZINC COMPOUNDS, 400 KW A/N: 135775	D12			PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	D323.1
FURNACE, ELECTRIC, COATING, ZINC COMPOUNDS, 800 KW A/N: 135775	D13			PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	D323.1
FURNACE, FORGE, FORGE AND WELD, NATURAL GAS, 10 MMBTU/HR A/N: 198596	D14		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	B59.1, C1.3, D12.4, D323.1
OVEN, ELECTRIC SHOP, NATURAL GAS, 2 MMBTU/HR WITH A/N: 128634	D24	C30	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C8.4, D323.1, E51.1
AFTERBURNER, NATURAL GAS, INTERGRAL REFRACTION-LINED, 0.5 MMBTU/HR	C30	D24			

* (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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Process 3 : STEEL ANNEALING OPERATION					
FURNACE, ANNEALING, PREHEATER SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, WITH 32 BURNERS TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 63.84 MMBTU/HR A/N:	D81		NOX: MAJOR SOURCE**	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]	A63.7, B59.4, D82.1, E71.1
FURNACE, REDUCING SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, CONTINUOUS GALVANIZING LINE NO. 1, 34.717 MMBTU/HR WITH BURNER, NATURAL GAS, NORTH AMERICAN MFG CO, MODEL 4725-2-E, 149 TOTAL; 0.233 MMBTU/HR	D82		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 101.4 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]	A63.7, C1.26, D12.4
FURNACE, ANNEALING SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, WITH 30 BURNERS TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 24.369 MMBTU/HR A/N:	D83		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 101.4 PPMV NATURAL GAS (3) [RULE 2012,1-7-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.3, D12.4

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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 3 : STEEL ANNEALING OPERATION					
				PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
FURNACE, CHEM TREAT SECTION, NATURAL GAS, WITH 1 BURNER TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 1 MMBTU/HR A/N:	D84		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]	D323.1
FURNACE, SLAB #4, NATURAL GAS, STEEL REHEAT, WITH LOW NOX BURNER, AIR PREHEATING, 533 MMBTU/HR WITH A/N: 473323 BURNER, NATURAL GAS, CHUGAI RO COMPANY LTD, MODEL FHC-III AH-40-G, MODEL RFB-III-4, WITH LOW NOX BURNER, 533 MMBTU/HR	D133		NOX: MAJOR SOURCE**	CO: 2000 PPMV (1) [RULE 407,4-2-1982] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	A63.4, B59.3, C1.27, D12.7, D82.1, D323.1, E147.1

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 (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 3 : STEEL ANNEALING OPERATION					
System 2 : CONTINUOUS GALVANIZING LINE NO. 2					
FURNACE, ANNEALING, NO. 2, SERIAL NO. S-6029, NATURAL GAS, WITH 45 BURNERS TOTAL, CONTINUOUS STEEL STRIP ANNEALING, AIR PREHEATER, 44.395 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, PREHEAT SECTION, 24 TOTAL; 35.06 MMBTU/HR BURNER, NATURAL GAS, RADIANT TUBE HOLDING SECTION, 21 TOTAL; 9.335 MMBTU/HR	D145	C163	NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 25.5 PPMV (4) [RULE 2005,4-20-2001;RULE 2005,5-6- 2005] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A63.6, A99.1, D82.2
SELECTIVE CATALYTIC REDUCTION, HALDOR TOPSOE, USING A HONEYCOMB CATALYST, 61 CU.FT. WITH A/N: NOX OXIDATION CATALYST, CATALYST HANDLING SYSTEM	C148	C163		NH3: 10 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] PM: (9) [RULE 404,2-7-1986]	C6.3, C6.4, K67.8

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Process 3 : STEEL ANNEALING OPERATION					
AMMONIA INJECTION, AMMONIA HANDLING SYSTEM				PM: (9) [RULE 404,2-7-1986]	
FURNACE, ELECTRIC, MODEL 2FG, ZINC PREMELT, AJAX MAGNETHERMIC CORPORATION, 400 KW A/N: 332355	D151			PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	B27.1, B59.5, C1.5, D323.1, E71.3, E147.1, K67.5
FURNACE, ELECTRIC, MODEL 2FG, ZINC COATING, AJAX MAGNETHERMIC CORPORATION, 400 KW A/N: 332356	D152			PM: (9) [RULE 404,2-7-1986]	B27.1, B59.5, D323.1, E71.9, E147.1
FURNACE, ANNEALING, HOLDING, NATURAL GAS, WITH 40 BURNERS TOTAL, 11 MMBTU/HR A/N: 390901	D153		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 55 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986]	A63.8, B27.1, B59.5, C1.11, D323.1, E147.1

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 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2)(2A)(2B)Denotes RECLAIM emission rate
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Process 3 : STEEL ANNEALING OPERATION					
COATER, ROLL, CHEM TREAT UNIT, SURFACE PASSIVATION A/N: 342577	D154	C158		VOC: (9) [RULE 1107,11-9-2001;RULE 1107,11-4-2005;RULE 1171,11-7-2003;RULE 1171,5-6-2005]	A101.1, B59.7, C1.25, E71.20, K67.13
SCRUBBER, PACKED BED, WITH MIST ELIMINATOR, VENTING COIL CLEANING STATION (RULE 219 EXEMPT EQUIPMENT), LENGTH: 47 FT; DIAMETER: 1 FT 8 IN A/N: 391893	C155				C6.1, C8.11
DRYER, NATURAL GAS, HOFFMAN INC., MODEL 76102, 1.8 MMBTU/HR A/N:	D156		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] PM: (9) [RULE 404,2-7-1986;RULE 405,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D12.6, D323.1, E71.4
MIST ELIMINATOR, MIDWEST AIR PRODUCTS CO., MODEL MW - 400-2, WITH ONE PRIMARY MESH PAD, ONE FINAL STAGE MESH PAD, WIDTH: 2 FT 3 IN; HEIGHT: 3 FT 1 IN; LENGTH: 5 FT 6 IN A/N: 342575	C158	D154 C159		CR6+ : (6) [RULE 1401,3-4-2005]	C6.8, C8.9, D322.1, E71.6, K67.10

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Process 3 : STEEL ANNEALING OPERATION					
FILTER, CONSERVE ENGR. CO., MODEL 1 X 1, HIGH EFFICIENCY PARTICULATE AIR FILTER (HEPA), WITH PREFILTER AND FINAL FILTER A/N: 342575	C159	C158		CR6+ : (6) [RULE 1401.3-4-2005]	C6.5, C6.6, D322.1, E71.6, K67.10
AFTERBURNER, NATURAL GAS, CGL NO. 2, 5.2 MMBTU/HR A/N: 351770	C163	D145 C148	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7- 2005] PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	C8.7, D323.1
System 3 : TIN MILL					
FURNACE, ANNEALING, NO. 1, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366241	D178		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20- 2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	B59.1, D323.1, E147.2, E147.3

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Process 3 : STEEL ANNEALING OPERATION					
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR				PM: (9) [RULE 404,2-7-1986]	
FURNACE, ANNEALING, NO. 2, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366242	D179		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	B59.1, D323.1, E147.2, E147.3
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR					
FURNACE, ANNEALING, NO. 3, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366243	D180		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005]	B59.1, D323.1, E147.2, E147.3

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Process 3 : STEEL ANNEALING OPERATION					
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR				NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	
FURNACE, ANNEALING, NO. 4, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366244 BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D181		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	B59.1, D323.1, E147.2, E147.3

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Process 3 : STEEL ANNEALING OPERATION					
FURNACE, ANNEALING, NO. 5, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366245	D182		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	B59.1, D323.1, E147.2, E147.3
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR					
FURNACE, ANNEALING, NO. 6, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366246	D183		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	B59.1, D323.1, E147.2, E147.3

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Process 3 : STEEL ANNEALING OPERATION					
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR				PM: (9) [RULE 404,2-7-1986]	
FURNACE, ANNEALING, NO. 7, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366247	D184		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	B59.1, D323.1, E147.2, E147.3
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR					

* (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
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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 3 : STEEL ANNEALING OPERATION					
System 4 : COLD SHEET MILL					
FURNACE, ANNEALING, NO. 8, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366248	D185		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20- 2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	B59.1, D323.1, E147.2, E147.3
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR					
FURNACE, ANNEALING, NO. 9, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366249	D186		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005]	B59.1, D323.1, E147.2, E147.3

* (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 CALIFORNIA STEEL INDUSTRIES INC

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 3 : STEEL ANNEALING OPERATION					
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR				NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	
FURNACE, ANNEALING, NO. 10, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366250 BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D187		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	B59.1, D323.1, E147.2, E147.3

* (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 CALIFORNIA STEEL INDUSTRIES INC

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 3 : STEEL ANNEALING OPERATION					
FURNACE, ANNEALING, NO. 11, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366251	D188		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,12-5-2003;RULE 2012,1-7-2005] NOX: 40 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001;RULE 2005,5-6-2005] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] PM: (9) [RULE 404,2-7-1986]	B59.1, D323.1, E147.2, E147.3
BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR					

* (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
CALIFORNIA STEEL INDUSTRIES INC**

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 CALIFORNIA STEEL INDUSTRIES INC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
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FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

F10.1 Material(s) that contain the following compound(s) shall not be used in this facility;

0.004 percent or more of arsenic and 0.002 percent or more of cadmium by weight

No scrap other than clean non-ferrous scrap or rerun scrap shall be melted at this facility

[RULE 1407, 7-8-1994]

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

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

PROCESS CONDITIONS

P28.1 Except for diesel transfers, Phase I vapor recovery systems shall be in full operation whenever fuel is being transferred into storage tanks.

Except for diesel transfers, Phase II vapor recovery systems shall be in full operation whenever fuel is being transferred into motor vehicles, as defined in Rule 461.

All Phase I and Phase II vapor recovery equipment at this facility shall be installed, operated and maintained to meet all California Air Resources Board certification requirements.

[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]

[Processes subject to this condition : 15]

DEVICE CONDITIONS

A. Emission Limits

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 36 LBS IN ANY ONE DAY

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

[Devices subject to this condition : D60]

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 77 LBS IN ANY ONE YEAR
SOX	Less than or equal to 98 LBS IN ANY ONE YEAR
CO	Less than or equal to 245 LBS IN ANY ONE YEAR
PM	Less than or equal to 80 LBS IN ANY ONE YEAR

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

[Devices subject to this condition : D9]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 1.7 LBS IN ANY ONE MONTH
SOX	Less than or equal to 0.36 LBS IN ANY ONE MONTH
CO	Less than or equal to 91.4 LBS IN ANY ONE MONTH
PM10	Less than or equal to 3 LBS IN ANY ONE MONTH

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

[Devices subject to this condition : D80]

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 12810 LBS IN ANY ONE MONTH
ROG	Less than or equal to 2580 LBS IN ANY ONE MONTH
SOX	Less than or equal to 538 LBS IN ANY ONE MONTH
PM10	Less than or equal to 4710 LBS IN ANY ONE MONTH

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

[Devices subject to this condition : D133]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 158 LBS IN ANY ONE MONTH
SOX	Less than or equal to 21 LBS IN ANY ONE MONTH
CO	Less than or equal to 706 LBS IN ANY ONE MONTH
PM10	Less than or equal to 180 LBS IN ANY ONE MONTH

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

[Devices subject to this condition : D140, D141]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 1065 LBS IN ANY ONE MONTH
ROG	Less than or equal to 216 LBS IN ANY ONE MONTH
SOX	Less than or equal to 29 LBS IN ANY ONE MONTH
PM10	Less than or equal to 223 LBS IN ANY ONE MONTH

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

[Devices subject to this condition : D145]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A63.7 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 120 LBS IN ANY ONE MONTH
SOX	Less than or equal to 150 LBS IN ANY ONE MONTH
CO	Less than or equal to 52110 LBS IN ANY ONE MONTH
PM10	Less than or equal to 360 LBS IN ANY ONE MONTH

For the purposes of this condition, the limit(s) shall be based on the total combined emissions from equipment Preheat Section, device D81, and Reducing Section, device D82.

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

[Devices subject to this condition : D81, D82]

A63.8 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 50 LBS IN ANY ONE MONTH
SOX	Less than or equal to 7 LBS IN ANY ONE MONTH
CO	Less than or equal to 266 LBS IN ANY ONE MONTH
PM10	Less than or equal to 58 LBS IN ANY ONE MONTH

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

[Devices subject to this condition : D153]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- A99.1 The 25.5 PPM NOX emission limit(s) shall not apply when the SCR (C148) temperature is less than 450 Deg F and for the first 15 minutes once the SCR has reached 450 Deg F, or when the equipment is idled.

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

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

[Devices subject to this condition : D145]

- A101.1 The operator shall take all reasonable control measures to minimize fugitive emissions from this equipment.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1401, 3-4-2005]

[Devices subject to this condition : D154]

B. Material/Fuel Type Limits

- B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 07-dec-1990.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D60, D151, D152, D153]

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

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

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

[Devices subject to this condition : D14, D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B59.2 The operator shall only use the following material(s) in this device :

abrasive material which has been Air Resources Board (CARB) approved

[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D56]

B59.3 The operator shall not use the following material(s) in this device :

metal contaminated with rubber, plastics, paper, rags, oil, grease

fluorides, chlorine, aluminum chloride, or similar smoke-producing material

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

[Devices subject to this condition : D133]

B59.4 The operator shall not use the following material(s) in this device :

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

fluorides, chlorine, or aluminum chloride

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

[Devices subject to this condition : D81]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

B59.5 The operator shall not use the following material(s) in this device :

metal contaminated with oil, grease, rubber, plastics, rags, or similar smoke-producing materials

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

[Devices subject to this condition : D151, D152, D153]

B59.7 The operator shall not use the following material(s) in this device :

coating materials containing any volatile organic compound (VOC)

coating material containing any carcinogenic air contaminants (except Hexavalent Chromium) as listed in AQMD Rule 1401 as amended December 7, 1990

[**RULE 1303(b)(2)-O set, 5-10-1996**; **RULE 1303(b)(2)-O set, 12-6-2002**; **RULE 1401, 12-7-1990**; **RULE 401, 3-2-1984**; **RULE 401, 11-9-2001**]

[Devices subject to this condition : D154]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the loading rate to no more than 500 tons in any one month.

For the purpose of this condition, loading rate shall be defined as the load of lime charged to the silo.

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

[Devices subject to this condition : D51]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C1.3 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D14, D83]

- C1.5 The operator shall limit the material processed to no more than 3159 ton(s) in any 30-day period.

For the purpose of this condition, materials processed shall be defined as zinc melted in this equipment for the zinc coating operation in device D152.

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

[Devices subject to this condition : D151]

- C1.6 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and O set Exemption, 6-14-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D9, D11, D200, D201, D228]

- C1.8 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

For the purpose of this condition, operating time shall be defined as maintenance and testing.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and O set Exemption, 6-14-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D200, D201, D228]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.11 The operator shall limit the natural gas fuel usage to no more than 2.3e+ 10 Btu in any one year.

[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D153]

C1.12 The operator shall limit the throughput to no more than 40000 gallon(s) per day.

For the purpose of this condition, throughput shall be defined as HCl unloaded from railcars and loaded into the tanks.

This limit shall be based on the total combined limit for equipment D216, D217, D218 and D219.

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

[RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D216]

C1.13 The operator shall limit the throughput to no more than 600000 gallon(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as HCl unloaded from railcars and loaded into the tanks.

This limit shall be based on the total combined limit for equipment D216, D217, D218 and D219.

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

[RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D216]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.14 The operator shall limit the natural gas fuel usage to no more than 0.377 MM cubic feet per day.

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

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(1)-Modeling, 5-10-1996; RULE 1303(b)(1)-Modeling, 12-6-2002; RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 2005, 4-20-2001; RULE 2005, 5-6-2005]

[Devices subject to this condition : D6]

C1.16 The operator shall limit the coating and solvent usage to no more than 1 in any one day.

For the purpose of this condition, material processed shall be defined as coating and solvent usage to coat 1 motor.

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

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

[Devices subject to this condition : D220]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.21 The operator shall limit the loading rate to no more than 60 gallon(s) per minute.

For the purpose of this condition, loading rate shall be defined as gallons of HCl solution loaded into the storage tank.

HCl solution shall not exceed 37% HCl by weight.

To comply with this condition, the operator shall install and maintain a(n) measuring device to accurately indicate the flow rate of the HCl solution into the storage tank.

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

[RULE 204, 10-8-1993]

[Devices subject to this condition : D216]

C1.25 The operator shall limit the throughput to no more than 400 gallon(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as quantity of passivation solution (Oakite Okemcoat F-2 concentrate).

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

[RULE 1401, 12-7-1990; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D154]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C1.26 The operator shall limit the fuel usage to no more than 48.571428 MM cubic feet in any one calendar month.

This limit shall be based on the total combined limit for equipment devices, D81 and D82 (Preheat and Reducing Sections).

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

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

[Devices subject to this condition : D82]

- C1.27 The operator shall limit the natural gas fuel usage to no more than 425.01 MM cubic feet in any one calendar month.

This limit shall be based on the total combined limit for equipment D133 and D202.

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

[**RULE 1303(b)(2)-O set, 5-10-1996**; **RULE 1303(b)(2)-O set, 12-6-2002**; **RULE 2005, 5-6-2005**]

[Devices subject to this condition : D133]

- C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 1.25 inches water column.

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

The operator shall record the parameter being monitored once every 1 days.

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

[**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**]

[Devices subject to this condition : C155]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.3 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 SCR system bed.

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

[Devices subject to this condition : C148]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 780 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature across the SCR system bed.

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 : C148]

- C6.5 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 1 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 HEPA prefilter.

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

[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]

[Devices subject to this condition : C159]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.6 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 4 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 HEPA final stage filter.

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

[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]

[Devices subject to this condition : C159]

- C6.8 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 3 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 Mist Eliminator Primary Mesh Pad.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the Mist Eliminator Final Stage Mesh Pad.

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

[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]

[Devices subject to this condition : C158]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C6.10 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 8.5 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 scrubber.

The operator shall record the parameter being monitored once every 1 shift.

The measuring device or gauge shall be accurate to within 5%. It shall be calibrated once every 12 months.

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

[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 63 Subpart CCC, 4-20-2006]

[Devices subject to this condition : C132]

- C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 95 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution in the tower and the educator lines.

The operator shall record the parameter being monitored once every 1 days.

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

[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]

[Devices subject to this condition : C49]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C8.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.

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

The measuring device or gauge shall be accurate to within plus or minus 30 degrees fahrenheit. It shall be calibrated once every 12 months.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the combustion zone of the secondary chamber.

[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]

[Devices subject to this condition : D24]

- C8.6 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 30 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution in the recirculation line.

The operator shall record the parameter being monitored once every 1 days.

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

[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]

[Devices subject to this condition : C115]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C8.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1200 Deg F.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 6 months.

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

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

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

[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]

[Devices subject to this condition : C163]

- C8.8 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 10.5 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the circulating scrubbing solution.

The operator shall record the parameter being monitored once every 1 days.

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

[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]

[Devices subject to this condition : C115]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C8.9 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 5.3 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the water wash supply line to the mist eliminator.

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

[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]

[Devices subject to this condition : C158]

- C8.11 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 24 gpm.

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

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the fresh make-up water supply line to the scrubber.

The operator shall record the parameter being monitored once every 1 days.

[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]

[Devices subject to this condition : C155]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C8.13 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 1.0 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the scrubbing solution in the recirculation line.

The operator shall record the parameter being monitored once every 1 shift.

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

[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 63 Subpart CCC, 4-20-2006]

[Devices subject to this condition : C132]

- C12.1 The operator shall use this equipment in such a manner that the flow rate being monitored as indicated below are greater than or equal to the average value in the most recent District approved source test which demonstrated compliance with 40CFR63 Subpart CCC.

The operator shall install and maintain a continuous monitoring system to accurately indicate the flow rate of the:

1. fresh make-up water supply line to the scrubber
2. scrubbing solution in the recirculation line

The operator shall record the flow rates once every shift. The measuring device or gauge shall be accurate to within 5%. It shall be calibrated once every 12 months.. In addition, the operator shall keep records, in a manner approved by the District, to demonstrate compliance with this condition..

A copy of the most recent District approved source test and District letter confirming compliance shall be maintained with flow rate records.

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

[Devices subject to this condition : C132]

D. Monitoring/Testing Requirements

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags.

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

[Devices subject to this condition : C57, C59]

- 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 1110.2, 6-3-2005; RULE 1304(e), 6-14-1996; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005**]

[Devices subject to this condition : D9, D11, D200, D201, D228]

- D12.3 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the flow rate in the fuel supply line.

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

[Devices subject to this condition : D80]

- D12.4 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

[**RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005**]

[Devices subject to this condition : D14, D82, D83]

- D12.5 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the equipment.

[**RULE 2012, 12-5-2003; RULE 2012, 1-7-2005**]

[Devices subject to this condition : D140, D141]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.6 The operator shall install and maintain a(n) gauge to accurately indicate the temperature of the dryer.

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

[Devices subject to this condition : D156]

D12.7 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the flow rate in the fuel supply line.

The fuel meter shall be common to both D133 and D202.

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

[Devices subject to this condition : D133]

D28.6 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to demonstrate compliance with 40 CFR 63 Subpart CCC.

The test shall be conducted to determine the Hydrochloric Acid at the inlet and outlet simultaneously.

The test shall be conducted when all equipment being vented by this scrubber is fully operational and operating at maximum load, during loading of an HCl Storage Tank (D217, D218, or D219).

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

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 at least once every 2-1/2 years.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR 63 Subpart CCC, 4-20-2006**]

[Devices subject to this condition : C132]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

The CEMS shall be installed prior to start-up. The operator shall certify the CEMS within 180 days after start-up. During this 180 day period the operator shall comply with the monitoring and reporting requirements of Rule 2012(h)

[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D81, D133]

D82.2 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D145]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D90.1 The operator shall monitor the pH of the scrubber's recirculation water flow according to the following specifications:

An audible alarm shall be installed to alert the operator if the pH of the scrubbing solution falls below 1.0.

The operator shall take corrective measures if the pH of the scrubbing solution falls below 1.0 for more than 15 minutes.

(1) Take Draeger tube samples (weather permitting) of the scrubber's exhaust gas within 8 hours during day shift Monday-Friday and within 24 hours all other shifts and on weekends, to insure that the HCl in the exhaust does not exceed 18 ppm

(2) Inspect the CPL process tanks and HCl storage tanks within 24 hours to verify that they are working properly.

(3) Increase the Bleed Water rate to maximum.

Once the pH is 1.0 or greater, the scrubber's operating conditions may be restored to the original rates.

The operator shall keep records, in a manner approved by the District, of all corrective measures taken.

[RULE 204, 10-8-1993]

[Devices subject to this condition : C132]

D111.1 The operator shall comply with the tune-up requirements of Rule 1146. Records shall be maintained for the date of each tune-up, the company performing the tune-up, and the tune-up results for NOX, CO and O2.

[RULE 1146, 11-17-2000; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D140, D141]

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D11, D228]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D322.1 The operator shall perform a monthly 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 : E137, C158, C159]

D322.3 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 : D51, C57, C59]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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.

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

[Devices subject to this condition : D12, D13, D14, D24, D53, D55, D56, D84, D133, D151, D152, D153, D156, C163, D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : D6, D7, D140, D141]

D330.1 The operator shall have a person that has been trained in accordance with Rule 461(d)(5) conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

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

[Devices subject to this condition : D161]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D80]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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 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, 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 : D51, C59, E137]

E. Equipment Operation/Construction Requirements

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

Device ID: D216 [HCl Tank]

Device ID: D217 [HCl Tank]

Device ID: D218 [HCl Tank]

Device ID: D219 [HCl Tank]

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

[Devices subject to this condition : D216]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E51.1 The following condition number(s) shall not apply if all of the requirements stated below are met:

Condition number 8-4

Requirement number 1: the secondary chamber shall achieve and maintain a minimum temperature of 1400 deg F within 15 minutes of ignition of the primary chamber

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

[Devices subject to this condition : D24]

E71.1 The operator shall not conduct refining or fluxing in this equipment during steel milling process.

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

[Devices subject to this condition : D81]

E71.3 The operator shall not operate this equipment if the lead content of zinc melted exceeds 0.3 percent for High Grade zinc or 1.4 percent for Prime Western zinc.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : D151]

E71.4 The operator shall not operate this equipment if the temperature in the combustion chamber exceeds 700 degrees Fahrenheit.

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

[Devices subject to this condition : D156]

E71.5 The operator shall not use this equipment if the circulating scrubbing solution falls below a pH of 7.0.

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

[Devices subject to this condition : C49]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- E71.6 The operator shall only operate this equipment if the sum of the differential pressures across the Mist Eliminator and the HEPA filter does not exceed 5.2 inches water column.

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

[Devices subject to this condition : C158, C159]

- E71.9 The operator shall only operate this equipment if the zinc coating material is processed in device D151.

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

[Devices subject to this condition : D152]

- E71.15 The operator shall only operate this equipment during emergencies resulting in an interruption of service of the primary power supply, during a stage II or III electrical emergency declared by the California Independent System Operator or for maintenance and testing.

[RULE 1304(c)-O set Exemption, 6-14-1996]

[Devices subject to this condition : D200, D201]

- E71.17 The operator shall only operate this equipment if the 2-inch sparger is installed and fully operational.

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

[Devices subject to this condition : D211]

- E71.18 The operator shall only operate this equipment if the acid fume scrubber (C132) is fully operational.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002]

[Devices subject to this condition : D212, D213, D214, D215, D216]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E71.20 The operator shall not operate this equipment if the percent by weight of Chromium VI or Chromium III compounds in the passivation solution (Oakite Okemcoat concentrate) used exceeds 10 percent.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D154]

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

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

[Devices subject to this condition : C57, C59, E137]

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

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

[Devices subject to this condition : D9, D11, D200, D201, D228]

E118.1 The operator shall ensure that all openings to the atmosphere on the tank and on the tank truck shall be closed during a gasoline transfer to the storage tank.

[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]

[Devices subject to this condition : D161]

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

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

[Devices subject to this condition : D133, D151, D152, D153]

E147.2 The operator shall not conduct metal melting operation in this equipment.

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

[Devices subject to this condition : D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E147.3 The operator shall not conduct refining and/or fluxing operation in this equipment.

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

[Devices subject to this condition : D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188]

E158.1 The operator shall maintain a continuous overflow of water from the scrubber sump to prevent build up of contamination.

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

[Devices subject to this condition : C132]

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

filter media at least 2 inches thick

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

[Devices subject to this condition : D220]

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

The HCl concentration discharged from the scrubber's outlet shall not exceed 18 ppmv; OR

the collection efficiency across the scrubber is at least 97 percent.

[**40CFR 63 Subpart CCC, 4-20-2006**]

[Devices subject to this condition : C132]

H. Applicable Rules

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Contaminant	Rule	Rule/Subpart
ROG	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : D60, D220]

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 7-11-1997; RULE 1122, 10-1-2004]

[Devices subject to this condition : E135]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
ROG	District Rule	463

[RULE 463, 3-11-1994; RULE 463, 5-6-2005]

[Devices subject to this condition : D66]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; **40CFR 82 Subpart F, 5-14-1993**]

[Devices subject to this condition : E157]

J. Rule 461

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

J373.1 The operator shall comply with the following gasoline transfer and dispensing requirements:

a). At least once every twelve months from the previous test, a static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.3. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the static pressure leak decay test.

b). At least once every twelve months from the previous test, an air-to-liquid ratio test shall be conducted to demonstrate proper installation of the Hasstech VCP3A Vapor Vac System. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.5. Results shall be submitted to the AQMD, Engineering and Compliance, within thirty (30) days of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the air-to-liquid ratio test.

The testing frequency for the above mentioned tests shall be conducted in accordance with the most recent AQMD Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.

[**RULE 461, 1-9-2004; RULE 461, 6-3-2005**; RULE 461, Hasstech Conditions, 1-9-2004]

[Devices subject to this condition : D161]

K. Record Keeping/Reporting

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002]

[Devices subject to this condition : C132]

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number A 63- 3

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

[Devices subject to this condition : D80]

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 : C57, C59]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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):

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 : D51, E137]

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

amount of zinc processed in this equipment

lead content of zinc melted and grade of zinc melted in this equipment

[RULE 1303(b)(2)-O set, 5-10-1996; RULE 1303(b)(2)-O set, 12-6-2002; RULE 1420, 9-11-1992]

[Devices subject to this condition : D151]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

daily recording of ammonia flow

daily recording of ammonia/NOx ratio

[RULE 2012, 12-5-2003; RULE 2012, 1-7-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C148]

FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.10 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 inspection

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

[Devices subject to this condition : C158, C159]

K67.12 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

All records and test results that are required to be maintained by Rule 461 shall be kept on site and made available to AQMD representative upon request.

[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]

[Devices subject to this condition : D161]

K67.13 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Percent weight of Chromium Phosphate (as Chromium III compounds) and Chromium Trioxide (as Chromium VI soluble) and any other Chromium compound.

[RULE 461, 1-9-2004; RULE 461, 6-3-2005; RULE 461, Hasstech Conditions, 1-9-2004]

[Devices subject to this condition : D154]

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PERMIT TO OPERATE ANALYSIS

FACILITY MAILING ADDRESS

California Steel Industries, Inc.
14000 San Bernardino Avenue
Fontana, California 92335

(ID: 046268 NOx RECLAIM Cycle 1 – Title V)

EQUIPMENT LOCATION

SAME AS ABOVE

EQUIPMENT DESCRIPTION

APPLICATION NO: 350109
PROCESS 3: STEEL ANNEALING OPERATION
SYSTEM 2: CONTINUOUS GALVANIZING LINE NO. 2

C148 AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SELECTIVE CATALYTIC REDUCTION UNIT, WITH A FIXED BED REACTOR, USING TITANIUM/VANADIUM OXIDE CATALYST, 130 CUBIC FEET
2. CATALYST HANDLING SYSTEM
3. AMMONIA HANDLING SYSTEM
4. EXHAUST SYSTEM VENTING ANNEALING FURNACE NO. 2, D145

APPLICATION NO: 350110
PROCESS 3: STEEL ANNEALING OPERATIONS
SYSTEM 2: CONTINUOUS GALVANIZING LINE NO. 2

D145 FURNACE, NO. 2, CONTINUOUS STEEL STRIP ANNEALING, ELECTRIC FURNACE COMPANY, SERIAL NO. S-6029, 44,395,000BTU PER HOUR TOTAL, NATURAL GAS FIRED WITH AIR PREHEATER, CONSISTING OF:

1. BURNER, PREHEAT SECTION, 24 NATURAL GAS FIRED BURNERS, 35,060,000 BTU PER HOUR TOTAL.
2. BURNER, RADIANT TUBE HOLDING SECTION, 21 NATURAL GAS FIRED BURNERS, 9,335,000 BTU PER HOUR TOTAL.

BACKGROUND

Application Nos. 350109 and 350110 were filed on February 7, 1999, as change of condition applications for Permits to Construct granted under A/N 332353 (SCR) and

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A/N 332354 (#2 CGL). On April 1, 1999, the Permits to Construct were re-issued under these current applications and the original applications were cancelled.

The #2 CGL and SCR were source tested numerous times from 1999 until 2004. All of the source test reports and results were found to be either unacceptable and/or non-compliant with permitted conditions. On May 10, 2005, Application No. 443630 was filed to modify the SCR by replacing the current reactor and catalyst, and upgrading the ammonia injection system. The modified SCR was issued a Permit to Construct July 15, 2005. The SCR was source tested on June 9, 2006. The source test report was submitted for evaluation November 16, 2006. On March 22, 2007, the source test report was found to be acceptable.

There was no compliance activity found in District records (CLASS computer database) for California Steel Industries, Inc, (CSI) for the past 2 years.

PROCESS DESCRIPTION

Please refer to Permit to Construct analysis for A/N 332354 dated 3-11-98 by Augustine Agwuenu for complete process description.

EMISSION RECALCULATION

Heat input during test – 38.95 mmbtu/hr (Furnace is rated 44.395 mmbtu/hr)

Calculated flowrate – 12,247 dscfm

Pollutant	Units	Run #1	Run #2	Average
NOx _{inlet} R1	Lb/hr	5.23	5.4	5.315
NOx _{outlet} R2	Lb/hr	0.89		
ROG _{outlet}	Lb/hr	0.71	0.54	0.625
PM _{total, outlet}	Lb/hr	0.227		
CO _{outlet}	ppmv	36.95	29.56	33.255

$$\text{CO (lb/hr)} = \frac{33.255 \text{ ppmv} \times 12247 \text{ dscfm} \times 28.01 \text{ lb/lbmole} \times 60 \text{ min/hr}}{379 \times 10^6}$$

$$= 1.806 \text{ lb/hr}$$

The pollutant emissions are ratioed up from 38.95 mmbtu/hr to 44.395 mmbtu/hr by:

Pollutant	Emission (lb/hr)	Ratioing factor	Maximum emission (lb/hr)
NOx	0.890	44.395 ÷ 38.95	1.014
ROG	0.625	44.395 ÷ 38.95	0.712
PM	0.227	44.395 ÷ 38.95	0.258
CO	1.806	44.395 ÷ 38.95	2.058

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The Permit to Construct analysis used District default emission factors for all the criteria pollutant emission calculation except NOx. Furnace operating schedule is 24/7/52.

Pollutant	Permit to Construct		Permit to Operate		Difference
	(lb/hr)	(lb/day)	(lb/hr)	(lb/day)	
NOx	1.5	37	1.014	24.3 (24)	-13
ROG	0.30	7	0.712	17.1 (17)	+10
PM	0.31	7	0.258	6.2 (6)	-1
CO	1.48	36	2.058	49.4 (49)	+13

RULES COMPLIANCE

- RULE 212** Compliance is expected. There is no school within 1000 feet of this facility and the maximum daily emission increases are below the maximum daily limits specified in subdivision (g) of this rule. Public notice is not required.
- RULE 401** Compliance is expected. Visible emissions are not expected with proper maintenance and operation of this equipment. No visible emission complaints or notices were found for this facility.
- RULE 402** Compliance is expected. Operation of the equipment is not expected to create a nuisance. No nuisance complaints were found for this facility.
- REG. XIII** CSI's PTE is above the exemption threshold limit. **Offsets** are required for emission increases. Before the Permit to Construct was issued, Offsets were required for ROG, CO and PM₁₀. Prior to the Permit to Operate being issued additional offsets will be required for ROG. For CO offsets will not be required, EPA has re-designated the South Coast Air Basin in attainment with CO National Ambient Air Quality Standards.
- REG XXX** This is a De Minimus Significant permit revision. EPA 45-day review is required.

RECOMMENDATION

Issued Permit to Operate for A/N 350110, device D145, ERCs have been furnished for ROG.

Cancel A/N 350109, Permit to Operate for device C148 to be issued under A/N 443630.