



# South Coast Air Quality Management District

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

December 18, 2012

Mr. Kevin Austin  
Environmental Engineer  
California Steel Industries, Inc.  
14000 San Bernardino Avenue  
Fontana, CA 92335

**SUBJECT:** RECLAIM/Title V Facility Permit, I.D. No. 046268

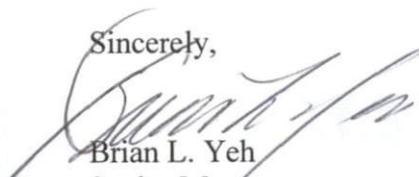
Dear Mr. Austin:

Please find attached the revised Title Page, Table of Contents, Section D and Section H of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the administrative permit revision for issuing Permit to Operate for the following equipment that was previously issued Permit to Construct and the Significant Permit revision as requested in your application 543517. This permit revision includes the addition of the following equipment:

Equipment	Appl. No.	Device No.	Process	Permit Type
Emergency Engine	528442	D235	2	PO
Emergency Engine	528445	D236	2	PO
Emergency Engine	543518	D239	2	PO

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

Sincerely,



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

BLY:mfn  
Enclosure  
c: Mr. Gerardo C. Rios, U.S. EPA, Region IX



## FACILITY PERMIT TO OPERATE

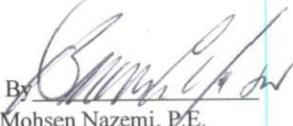
**CALIFORNIA STEEL INDUSTRIES INC  
14000 SAN BERNARDINO AVE  
FONTANA, CA 92335**

### NOTICE

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

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

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

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



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1: BOILERS</b>					
BOILER, COLD SHEET MILL, NATURAL GAS, SUPERIOR, MODEL 4-4-4-1758, SERIAL NO. 9442, 400 HP, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 16.7 MMBTU/HR WITH A/N: 408445  BURNER, NATURAL GAS, COEN COMPANY, MODEL MICRO NOX HTE-12, WITH LOW NOX BURNER, 16.7 MMBTU/HR	D6		NOX: LARGE SOURCE**	<b>CO:</b> 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; <b>CO:</b> 2000 PPMV (5A) [RULE 407, 4-2-1982]; <b>NOX:</b> 37.245 PPMV NATURAL GAS (3) [RULE 2005, 5-6-2005]; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.14, D328.1
BOILER, TIN MILL #3, NATURAL GAS, SUPERIOR, MODEL 4-4-4-1758, SERIAL NO. 9482, 400 HP, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 16.7 MMBTU/HR WITH A/N: 346839  BURNER, NATURAL GAS, COEN COMPANY INC, MODEL COEN MICRO-NOX HTE-12, WITH LOW NOX BURNER, 16.7 MMBTU/HR	D7		NOX: LARGE SOURCE**	<b>CO:</b> 400 PPMV (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; <b>CO:</b> 2000 PPMV (5A) [RULE 407, 4-2-1982]; <b>NOX:</b> 37.245 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1
BOILER, NATURAL GAS, CLEAVER BROOKS, MODEL CB700-100, WITH FLUE GAS RECIRCULATION, 4.185 MMBTU/HR A/N: 274056	D80		NOX: PROCESS UNIT**	<b>CO:</b> 400 PPMV (5) [RULE 1146.1, 5-13-1994; RULE 1146.1, 9-5-2008]; <b>CO:</b> 2000 PPMV (5A) [RULE 407, 4-2-1982]; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.3, D12.3, D332.1, K48.1

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: BOILERS</b>					
BOILER, NO. 1, NATURAL GAS, DIXON BOILER WORKS, FIRE TUBE TYPE, WITH FLUE GAS RECIRCULATION, 33 MMBTU/HR WITH A/N: 334063  BURNER, NATURAL GAS, COEN MANUFACTURING CO., MODEL MICRO NOX, WITH LOW NOX BURNER, 33 MMBTU/HR	D140		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.5, D12.5, D111.1, D328.1
BOILER, NO. 2, NATURAL GAS, DIXON BOILER WORKS, FIRE TUBE TYPE, WITH FLUE GAS RECIRCULATION, 33 MMBTU/HR WITH A/N: 334064  BURNER, NATURAL GAS, COEN MANUFACTURING CO., MODEL MICRO NOX, WITH LOW NOX BURNER, 33 MMBTU/HR	D141		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.5, D12.5, D111.1, D328.1
<b>Process 2: INTERNAL COMBUSTION ENGINES</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
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(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2: INTERNAL COMBUSTION ENGINES</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, PUMP HOT STRIP COOLING WATER, DIESEL FUEL, DETROIT DIESEL, MODEL 71237305, WITH OXYGEN CONTENT CONTROL, AFTERCOOLER, TURBOCHARGER, 553 HP A/N: 176737	D9		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]	A63.2, C1.6, D12.2, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, EMERGENCY LPG GENERATOR, LIQUIFIED PETROLEUM GAS, WHITE, MODEL G3400, 107 HP A/N: 199642	D11		NOX: PROCESS UNIT**	<b>NOX:</b> 139 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]	C1.6, D12.2, D135.1, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, #2CGL, S/N 92-B-4049, DIESEL FUEL, CATERPILLAR, MODEL D334, ELECTRIC POWER GENERATION, WITH TURBOCHARGER, 257 BHP A/N: 389803	D200		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2004(i), 5-11-2001]; <b>PM:</b> (9) [RULE 404, 2-7-1986]	C1.6, C1.8, D12.2, E71.15, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, #1CGL, S/N 92-B-2612, DIESEL FUEL, CATERPILLAR, MODEL D334, ELECTRIC POWER GENERATION, WITH TURBOCHARGER, 257 BHP A/N: 389804	D201		NOX: PROCESS UNIT**	<b>NOX:</b> 469 LBS/1000 GAL DIESEL (1) [RULE 2004(i), 5-11-2001]; <b>PM:</b> (9) [RULE 404, 2-7-1986]	C1.6, C1.8, D12.2, E71.15, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, SERIAL NO. PE6068T587742, DIESEL FUEL, CLARKE, MODEL JU6H-UF30, WITH TURBOCHARGER, 160 HP A/N: 463045	D228		NOX: PROCESS UNIT**	<b>NOX:</b> 161.4 LBS/1000 GAL DIESEL (2) [RULE 2012, 5-6-2005]; <b>NOX + ROG:</b> 4.9 GRAM/BHP-HR DIESEL (4) [RULE 2005, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]	C1.6, C1.8, D12.2, D135.1, E114.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
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(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate  
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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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
<b>Process 2: INTERNAL COMBUSTION ENGINES</b>					
GENERATOR, EMERGENCY POWER, NATURAL GAS, GENERAC POWER SYSTEMS WITH FORD INDUSTRIAL WSF-1068 ENGINE, MODEL QTA070, SERIAL NO. E182A-040108-004629, NETT TECHNOLOGIES, TC-SERIES CATALYTIC CONVERTER, 110.7 HP A/N: 503620	D234		NOX: PROCESS UNIT**	NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 358.5 LBS/MMSCF NATURAL GAS (2) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	C1.6, C1.8, D12.2, E71.15, E114.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, TURBOCHARGED/AFTERCOOLED, DIESEL FUEL, CATERPILLAR, MODEL 3512C DITA, 2206 HP WITH A/N: 528442  DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)-12-H-BITO-CS-24-LP	D235		NOX: LARGE SOURCE**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 2005, 6-3-2011]; NOX: 18.17 LBS/HR DIESEL (1) [RULE 2002, 1-7-2005; RULE 2002, 11-5-2010]; NOX + ROG: 4.8 GRAM/BHP-HR DIESEL (4) [RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 2005, 6-3-2011]	C1.6, C1.8, C1.29, D12.2, E71.15, E114.1, E175.2, E193.3, E448.2, I297.1  C6.17, E193.2

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 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
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## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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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
<b>Process 2: INTERNAL COMBUSTION ENGINES</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, TURBOCHARGED/AFTERCOOLED, DIESEL FUEL, CATERPILLAR, MODEL C15, SERIAL NO. FTE00523, 619 HP WITH A/N: 528445  DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT (+) BITO-CS-12-LP	D236		NOX: PROCESS UNIT**	<b>CO:</b> 2.6 GRAM/BHP-HR DIESEL (4) [RULE 2005, 6-3-2011]; <b>NOX:</b> 3.58 LBS/HR DIESEL (1) [RULE 2002, 1-7-2005; RULE 2002, 11-5-2010]; <b>NOX + ROG:</b> 3 GRAM/BHP-HR DIESEL (4) [RULE 2005, 6-3-2011]; <b>PM:</b> (9) [RULE 404, 2-7-1986]; <b>PM:</b> 0.15 GRAM/BHP-HR DIESEL (4) [RULE 2005, 6-3-2011]	C1.6, C1.8, C1.29, D12.2, E71.15, E114.1, E175.2, E193.3, I297.2  C6.18, E193.2
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NATURAL GAS, GENERAC POWER SYSTEMS, INC., MODEL 6.8GLPNQT-70, WITH A GENERAC NON-SELECTIVE CATALYTIC REDUCTION, 111.93 HP A/N: 543518	D239		NOX: PROCESS UNIT**	<b>NOX:</b> 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 2005, 6-3-2011]; <b>NOX:</b> 362 LBS/MMSCF NATURAL GAS (2) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]	C1.6, C1.8, C1.29, D12.2, E71.15, E114.1, E193.1, I297.3
<b>Process 3: STEEL ANNEALING OPERATION</b>					
FURNACE, ELECTRIC, PRE-MELT, ZINC COMPOUNDS, 400 KW A/N: 135775	D12			<b>PM:</b> (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.1
FURNACE, ELECTRIC, COATING, ZINC COMPOUNDS, 800 KW A/N: 135775	D13			<b>PM:</b> (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.1

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 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
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 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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

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<b>Process 3: STEEL ANNEALING OPERATION</b>					
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, 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, D12.4, 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, 5-6-2005]; 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			
FURNACE, ANNEALING, PREHEATER SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, WITH 32 BURNERS TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 63.84 MMBTU/HR A/N: 464295	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, C1.26, D82.1, E71.1

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: STEEL ANNEALING OPERATION</b>					
FURNACE, REDUCING SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, CONTINUOUS GALVANIZING LINE NO. 1, 32.671 MMBTU/HR WITH A/N: 464295  BURNER, NATURAL GAS, NORTH AMERICAN MFG CO, MODEL 4725-2-E, 127 TOTAL; 0.233 MMBTU/HR  BURNER, NATURAL GAS, NORTH AMERICAN MFG CO, MODEL 4748-600 RASERT, 22 TOTAL; 0.14 MMBTU/HR	D82		NOX: LARGE SOURCE**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 101.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.7, C1.26, D12.4, D28.7
FURNACE, ANNEALING SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, WITH 30 BURNERS TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 24.369 MMBTU/HR A/N: 464295	D83		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 101.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.3, D12.4
FURNACE, CHEM TREAT SECTION, NATURAL GAS, WITH 1 BURNER TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 1 MMBTU/HR A/N: 464295	D84		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: STEEL ANNEALING OPERATION</b>					
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: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A63.4, B59.3, C1.27, D12.7, D82.1, D323.1, E147.1

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

\*\* 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
<b>Process 3: STEEL ANNEALING OPERATION</b>					
<p>FURNACE, SLAB #5, NATURAL GAS, CORE FURNACE SYSTEMS, MODEL CUSTOM BUILT, STEEL REHEAT, WITH LOW NOX BURNER, 529.4 MMBTU/HR WITH A/N: 500743</p> <p>BURNER, TOP PREHEAT, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TSX18, WITH 6 SIDE FIRED BURNERS, 93 MMBTU/HR TOTAL, 15.5 MMBTU/HR</p> <p>BURNER, BOTTOM PREHEAT, NATURAL GAS, TECNINT TECHNOLOGIES, MODEL TSX20, WITH 6 SIDE FIRED BURNERS, 111 MMBTU/HR TOTAL, 18.5 MMBTU/HR</p> <p>BURNER, TOP HEAT, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TSX20R2, REGENERATIVE TYPE, WITH 4 BURNER PAIRS, 80 MMBTU/HR TOTAL, 20 MMBTU/HR</p>	D202	C209	NOX: MAJOR SOURCE**	<p>CO: 2000 PPMV NATURAL GAS (1) [RULE 407, 4-2-1982];</p> <p>NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005];</p> <p>NOX: 101.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005];</p> <p>PM: (9) [RULE 404, 2-7-1986];</p> <p>PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]</p>	B59.3, C1.27, D12.7, D323.1, E147.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (10) See section J for NESHAP/MACT requirements

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## FACILITY PERMIT TO OPERATE 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
<b>Process 3: STEEL ANNEALING OPERATION</b>					
BURNER, BOTTOM HEAT, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TSX20R1, REGENERATIVE TYPE, WITH 4 BURNER PAIRS, 80 MMBTU/HR TOTAL, 20 MMBTU/HR					
BURNER, TOP HEAT #2, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TSX14R2, REGENERATIVE TYPE, WITH 4 BURNER PAIRS, 44 MMBTU/HR TOTAL, 11 MMBTU/HR					
BURNER, BOTTOM HEAT #2, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TSX14R1, REGENERATIVE TYPE, WITH 4 BURNER PAIRS, 44 MMBTU/HR TOTAL, 11 MMBTU/HR					
BURNER, TOP SOAK, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TRX 4, WITH 30 RADIANT ROOF BURNERS, 29.4 MMBTU/HR TOTAL, 0.98 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: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: STEEL ANNEALING OPERATION</b>					
BURNER, BOTTOM SOAK, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TS12, WITH 6 END FIRED BURNERS, 48 MMBTU/HR TOTAL, 8 MMBTU/HR					
SELECTIVE CATALYTIC REDUCTION, ENVIRO-KINETICS, USING HALDOR TOPSOE DNX-930 CATALYST, 743 CU.FT. WITH A/N: 502286  AMMONIA INJECTION, AQUEOUS AMMONIA, 19 %, AMMONIA HANDLING SYSTEM  HEAT EXCHANGER, HEAT RECOVERY STEAM GENERATOR	C209	D202		<b>NH3:</b> 10 PPMV (4) [RULE <b>1303(a)(1)-BACT, 5-10-1996;</b> <i>RULE 1303(a)(1)-BACT,</i> <i>12-6-2002]</i>  <b>PM:</b> (9) [RULE 404, 2-7-1986]	C6.3, C6.9, E73.1, K67.8
STORAGE TANK, FIXED ROOF, NO. 168, AQUEOUS AMMONIA, 10500 GALS; DIAMETER: 11 FT 10.44 IN; HEIGHT: 14 FT 7 IN A/N: 475020	D233			<b>PM:</b> (9) [RULE 404, 2-7-1986]	C1.28
<b>System 2: CONTINUOUS GALVANIZING LINE NO. 2</b>					

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

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



## FACILITY PERMIT TO OPERATE 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
<b>Process 3: STEEL ANNEALING OPERATION</b>					
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: 459829  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**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 25.5 PPMV (4) [RULE 2005, 5-6-2005]; <b>PM:</b> 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: 443630  NOX OXIDATION CATALYST, CATALYST HANDLING SYSTEM  AMMONIA INJECTION, AMMONIA HANDLING SYSTEM	C148	C163		<b>NH3:</b> 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]  <b>PM:</b> (9) [RULE 404, 2-7-1986]	C6.3, C6.4, K67.8
FURNACE, ELECTRIC, MODEL 2FG, ZINC PREMELT, AJAX MAGNETHERMIC CORPORATION, 400 KW A/N: 332355	D151			<b>PM:</b> (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

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

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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: STEEL ANNEALING OPERATION</b>					
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: 55 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; 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]	A63.8, B27.1, B59.5, C1.11, D323.1, E147.1
COATER, ROLL, CHEM TREAT UNIT, SURFACE PASSIVATION A/N: 342577	D154	C158		VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	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: 459832	D156		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; RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.6, D323.1, E71.4

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

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



## FACILITY PERMIT TO OPERATE 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
<b>Process 3: STEEL ANNEALING OPERATION</b>					
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		<b>CR6+:</b> (6) [RULE 1401, 1-8-1999]	C6.8, C8.9, D322.1, E71.6, K67.10
FILTER, CONSERVE ENGR. CO., MODEL 1 X 1, HIGH EFFICIENCY PARTICULATE AIR FILTER (HEPA), WITH PREFILTER AND FINAL FILTER A/N: 342575	C159	C158		<b>CR6+:</b> (6) [RULE 1401, 1-8-1999]	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**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 404, 2-7-1986]; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C8.7, D323.1
<b>System 3: TIN MILL</b>					

\* (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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## 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
<b>Process 3: STEEL ANNEALING OPERATION</b>					
FURNACE, ANNEALING, NO. 1, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366241          BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D178		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3
FURNACE, ANNEALING, NO. 2, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366242          BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D179		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

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



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: STEEL ANNEALING OPERATION</b>					
FURNACE, ANNEALING, NO. 3, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366243  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D180		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3
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: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3

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

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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: STEEL ANNEALING OPERATION</b>					
FURNACE, ANNEALING, NO. 5, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366245  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D182		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3
FURNACE, ANNEALING, NO. 6, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366246  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D183		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(10) See section J for NESHAP/MACT requirements

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





## 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
<b>Process 3: STEEL ANNEALING OPERATION</b>					
FURNACE, ANNEALING, NO. 9, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366249  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D186		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3
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: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3

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

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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: STEEL ANNEALING OPERATION</b>					
FURNACE, ANNEALING, NO. 11, NATURAL GAS, COLD SHEET MILL, WITH LOW NOX BURNER, 5.6 MMBTU/HR WITH A/N: 366251  BURNER, NATURAL GAS, BLOOM ENGINEERING, MODEL 1500, WITH LOW NOX BURNER, 8 TOTAL; 0.7 MMBTU/HR	D188		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 40 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; 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]	B59.1, D323.1, E147.2, E147.3
<b>Process 4: PICKLING LINE</b>					
STORAGE TANK, FIXED ROOF, T-18, HYDROCHLORIC ACID, 4700 GALS A/N: 272786	D44	C49			
SCRUBBER, PACKED BED, T-31, WASTE WATER TREATMENT PLANT A/N: 399071	C49	D44 D124 D125 D126 D127 D128 D129 D130 D131			C8.1, E71.5
STORAGE SILO, T-24, LIME, 2500 CU.FT., WITH FABRIC FILTER A/N: 272789	D51			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	C1.1, D322.3, D381.1, K67.4
SCRUBBER, PACKED BED, BIONOMIC IND., MODEL 241, SERIES 5000, PACKED TOWER, HEIGHT: 22 FT ; DIAMETER: 8 FT A/N: 462535	C132	D212 D213 D214 D215 D216 D217 D218 D219		HCL: (10) [40CFR 63 Subpart CCC, 4-20-2006]	C6.10, C8.13, C12.1, D28.6, D90.1, E158.1, E448.1, K40.1

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 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4: PICKLING LINE</b>					
PROCESS TANK, HEATED, PICKLING, 62-INCH CONTINUOUS PICKLING LINE, HYDROCHLORIC ACID, COVERED, WIDTH: 10 FT 3.25 IN; HEIGHT: 7 FT 11.13 IN; LENGTH: 79 FT A/N: 488618	D212	C132		HCL: (10) [40CFR 63 Subpart CCC, 4-20-2006]	E71.18
PROCESS TANK, HEATED, PICKLING, 62-INCH CONTINUOUS PICKLING LINE, HYDROCHLORIC ACID, COVERED, WIDTH: 10 FT 3.25 IN; HEIGHT: 7 FT 11.13 IN; LENGTH: 70 FT 6 IN A/N: 488618	D213	C132		HCL: (10) [40CFR 63 Subpart CCC, 4-20-2006]	E71.18
PROCESS TANK, HEATED, PICKLING, 62-INCH CONTINUOUS PICKLING LINE, HYDROCHLORIC ACID, COVERED, WIDTH: 10 FT 2.63 IN; HEIGHT: 6 FT 8.63 IN; LENGTH: 70 FT 6 IN A/N: 488618	D214	C132		HCL: (10) [40CFR 63 Subpart CCC, 4-20-2006]	E71.18
PROCESS TANK, HEATED, PICKLING, 62-INCH CONTINUOUS PICKLING LINE, HYDROCHLORIC ACID, COVERED, WIDTH: 10 FT 2.63 IN; HEIGHT: 6 FT 8.63 IN; LENGTH: 70 FT 6 IN A/N: 488618	D215	C132		HCL: (10) [40CFR 63 Subpart CCC, 4-20-2006]	E71.18
STORAGE TANK, FIXED ROOF, HCL-1, HYDROCHLORIC ACID, 21476 GALS; DIAMETER: 12 FT ; HEIGHT: 26 FT A/N: 436305	D216	C132			C1.12, C1.13, C1.21, E17.1, E71.18

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 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit  
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 (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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## 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
<b>Process 4: PICKLING LINE</b>					
STORAGE TANK, FIXED ROOF, HCL/SPL-2, HYDROCHLORIC ACID, OR SPENT PICKLE LIQUOR, 21476 GALS; DIAMETER: 12 FT ; HEIGHT: 26 FT A/N: 448928	D217	C132			C1.12, C1.13, C1.21, C1.23, C1.24, E17.1, E71.18
STORAGE TANK, FIXED ROOF, HCL/SPL-3, HYDROCHLORIC ACID, OR SPENT PICKLE LIQUOR, 21476 GALS; DIAMETER: 12 FT ; HEIGHT: 26 FT A/N: 448929	D218	C132			C1.12, C1.13, C1.21, C1.23, C1.24, E17.1, E71.18
STORAGE TANK, FIXED ROOF, HCL/SPL-4, HYDROCHLORIC ACID, OR SPENT PICKLE LIQUOR, 21476 GALS; DIAMETER: 12 FT ; HEIGHT: 26 FT A/N: 448930	D219	C132			C1.12, C1.13, C1.21, C1.23, C1.24, E17.1, E71.18
<b>Process 5: ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, ROOM, WIDTH: 27 FT ; HEIGHT: 9 FT ; LENGTH: 11 FT A/N: 131407	D53	C57		<b>PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]</b>	D323.1
ABRASIVE BLASTING, CABINET, SAND, WIDTH: 4 FT ; HEIGHT: 6 FT ; LENGTH: 8 FT A/N: 131413	D55	C59		<b>PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]</b>	D323.1
ABRASIVE BLASTING, MACHINE A/N: 149147	D56			<b>PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 405, 2-7-1986]</b>	B59.2, D323.1
BAGHOUSE, WHEELABRATOR, 1466 SQ.FT. A/N: 128632	C57	D53		<b>PM: (9) [RULE 404, 2-7-1986]</b>	D12.1, D322.3, E102.1, K67.1

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(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
<b>Process 5: ABRASIVE BLASTING</b>					
BAGHOUSE, PANGBORN, MODEL 200-1, 360 SQ.FT. A/N: 131414	C59	D55		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.3, D381.1, E102.1, K67.1
<b>Process 6: SURFACE COATING</b>					
COATER, FLOW A/N: 280753	D60			VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.1, B27.1, H23.1
SPRAY COATING OPERATION, SOLVENT, FLOOR TYPE, DEVILBISS, WITH 18 20"X20" EXHAUST FILTERS, WIDTH: 10 FT 6 IN; HEIGHT: 6 FT 10 IN; LENGTH: 15 FT A/N: 404029	D220			PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1107, 11-9-2001; RULE 1107, 1-6-2006; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	C1.16, E175.1, H23.1
<b>Process 7: PETROLEUM STORAGE</b>					
STORAGE TANK, FIXED ROOF, NO. 4, FUEL OIL NO. 6, 200000 GALS A/N: 199649	D66				H23.4
<b>Process 10: PICKLE RINSE WATER (PRW) STORAGE SYSTEM</b>					
STORAGE TANK, FIXED ROOF, T-9A, 51400 GALS A/N: 272782	D124	C49			
STORAGE TANK, FIXED ROOF, T-9B, 51400 GALS A/N: 272782	D125	C49			
STORAGE TANK, FIXED ROOF, T-10A, 51400 GALS A/N: 272783	D126	C49			
STORAGE TANK, FIXED ROOF, T-10B, 51400 GALS A/N: 272783	D127	C49			

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 10: PICKLE RINSE WATER (PRW) STORAGE SYSTEM</b>					
STORAGE TANK, FIXED ROOF, T-11A, 51400 GALS A/N: 272784	D128	C49			
STORAGE TANK, FIXED ROOF, T-11B, 51400 GALS A/N: 272784	D129	C49			
STORAGE TANK, FIXED ROOF, T-12A, 51400 GALS A/N: 272785	D130	C49			
STORAGE TANK, FIXED ROOF, T-12B, 51400 GALS A/N: 272785	D131	C49			
<b>Process 13: WASTEWATER TREATMENT FACILITY (&gt;50,000 GPD)</b>					
<b>System 1: ALKALINE RINSE WATER BOTTOMS SLUDGE TREATMENT SYSTEM</b>					
TANK, T-26, HMS HOLDING, HEIGHT: 13 FT ; DIAMETER: 10 FT WITH A/N: 272781	D50				
FILTER, F-3, HSM	D87				
CLARIFIER, T-1 A/N: 272781	D85				
STORAGE TANK, T-17 A/N: 272781	D86				
TANK, T-27, HMS HOLDING, HEIGHT: 13 FT ; DIAMETER: 10 FT A/N: 272781	D88				
CLARIFIER, 15N, HSM A/N: 272781	D89				
CLARIFIER, 15S, HSM A/N: 272781	D90				

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|---|---|
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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 13: WASTEWATER TREATMENT FACILITY (&gt;50,000 GPD)</b>					
TANK, T-30, PRECOAT, HEIGHT: 6 FT ; DIAMETER: 6 FT A/N: 272781	D91				
<b>System 2: ALKALINE RINSE WATER TALLOW SLUDGE (FLOAT) TREATMENT SYSTEM</b>					
TANK, T-15, ARW FLOAT TRANSFER, HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 272781	D92				
STORAGE TANK, T-16, FLOAT STORAGE, HEIGHT: 16 FT ; DIAMETER: 12 FT A/N: 272781	D93				
COOKER, T-91, DIAMETER: 12 FT; HEIGHT: 16 FT, STEAM HEATED A/N: 272781	D94	C115			
TANK, T-94, SULFURIC ACID, HEIGHT: 12 FT ; DIAMETER: 8 FT A/N: 272781	D95	C115			
FILTER, F-4 A/N: 272781	D96				
TANK, T-92, FILTRATE/WASH, HEIGHT: 16 FT ; DIAMETER: 12 FT A/N: 272781	D97				
TANK, T-93, PRODUCT OIL, HEIGHT: 16 FT ; DIAMETER: 12 FT A/N: 272781	D98				
SCRUBBER, HEIL, MODEL 732.5-X A/N: 274048	C115	D94 D95			C8.6, C8.8
<b>System 3: CHEMICAL FEED SYSTEMS</b>					
TANK, T-25, LIME SLURRY A/N: 272781	D99				

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|---|---|
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<b>Process 13: WASTEWATER TREATMENT FACILITY (&gt;50,000 GPD)</b>					
TANK, T-23, POLYMER, WIDTH: 6 FT ; HEIGHT: 7 FT ; LENGTH: 6 FT A/N: 272781	D100				
TANK, T-13, CAUSTIC, HEIGHT: 10 FT ; DIAMETER: 12 FT A/N: 272781	D101				
TANK, T-19, DILUTE ACID FEED, HEIGHT: 10 FT ; DIAMETER: 7 FT A/N: 272781	D102				
STORAGE TANK, FIXED ROOF, T-29, HYDROCHLORIC ACID, WITH SPARGER, 6500 GALS A/N: 399399	D211				E71.17
<b>System 4: PICKLE/ALKALINE RINSE WATER TREATMENT SYSTEM</b>					
SUMP, T-2, ARW A/N: 272781	D103				
TANK, T-3, FERROUS ADDITION, WIDTH: 7 FT 6 IN; HEIGHT: 6 FT ; LENGTH: 7 FT 6 IN A/N: 272781	D104				
TANK, T-4, LIME ADDITION, WIDTH: 7 FT 6 IN; HEIGHT: 6 FT ; LENGTH: 7 FT 6 IN A/N: 272781	D105				
TANK, T-5, NEUTRALIZATION, HEIGHT: 14 FT 6 IN; DIAMETER: 18 FT A/N: 272781	D106				
TANK, T-6, POLYMER ADDITION, WIDTH: 5 FT ; HEIGHT: 6 FT ; LENGTH: 5 FT A/N: 272781	D107				

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
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<b>Process 13: WASTEWATER TREATMENT FACILITY (&gt;50,000 GPD)</b>					
CLARIFIER, T-7 A/N: 272781	D108				
SUMP, T-8, ACID REACTOR FINAL A/N: 272781	D109				
<b>System 5: PROCESS CLARIFIER SLUDGE TREATMENT SYSTEM</b>					
TANK, T-22, HYDROXIDE CORE BLOW, HEIGHT: 5 FT ; DIAMETER: 2 FT A/N: 272781	D110				
FILTER, F-1 A/N: 272781	D111				
FILTER, F-2 A/N: 272781	D112				
TANK, T-21, SQUEEZE WATER, HEIGHT: 6 FT ; DIAMETER: 4 FT A/N: 272781	D113				
TANK, T-20, BOSH, WIDTH: 4 FT ; HEIGHT: 3 FT ; LENGTH: 4 FT A/N: 272781	D114				
<b>Process 14: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E135			<b>VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]</b>	H23.2
RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT	E136			<b>VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]</b>	
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E137			<b>PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 404, 2-7-1986; RULE 405, 2-7-1986]</b>	D322.1, D381.1, E102.1, K67.4

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
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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:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 14: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E138			VOC: (9) [RULE 1125, 1-13-1995; RULE 1125, 3-7-2008; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E157				H23.5
<b>Process 15: FUEL STORAGE AND DISPENSING FACILITY</b>					P28.1
<b>System 1: GASOLINE FUEL STATION</b>					
TANK, GASOLINE, ABOVEGROUND, WITH PRESSURE/VACUUM RELIEF VALVE, SUBMERGED FILL TUBE (G-70-148A), 10000 GALS; DIAMETER: 7 FT 11 IN; LENGTH: 30 FT 8 IN WITH A/N: 526491  FUEL DISPENSING NOZZLE, BALANCE RETRACTOR PHASE II CONTROL, (G-70-52-AM), 2 GASOLINE NOZZLES DISPENSING 2 PRODUCTS	D161				D330.1, E118.1, J373.2

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AQMD

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765

Section D	Page: 29
Facility ID:	046268
Revision #:	39
Date:	December 18, 2012

## 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			
Device ID	Section D Page No.	Process	System
D6	1	1	0
D7	1	1	0
D9	3	2	0
D11	3	2	0
D12	5	3	0
D13	5	3	0
D14	6	3	0
D24	6	3	0
C30	6	3	0
D44	20	4	0
C49	20	4	0
D50	24	13	1
D51	20	4	0
D53	22	5	0
D55	22	5	0
D56	22	5	0
C57	22	5	0
C59	23	5	0
D60	23	6	0
D66	23	7	0
D80	1	1	0
D81	6	3	0
D82	7	3	0
D83	7	3	0
D84	7	3	0
D85	24	13	1
D86	24	13	1
D87	24	13	1
D88	24	13	1
D89	24	13	1
D90	24	13	1
D91	25	13	1
D92	25	13	2
D93	25	13	2
D94	25	13	2



**FACILITY PERMIT TO OPERATE  
 CALIFORNIA STEEL INDUSTRIES INC**

**SECTION D: DEVICE ID INDEX**

Device ID	Section D Page No.	Process	System
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D97	25	13	2
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D100	26	13	3
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D102	26	13	3
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D105	26	13	4
D106	26	13	4
D107	26	13	4
D108	27	13	4
D109	27	13	4
D110	27	13	5
D111	27	13	5
D112	27	13	5
D113	27	13	5
D114	27	13	5
C115	25	13	2
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D125	23	10	0
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D127	23	10	0
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D130	24	10	0
D131	24	10	0
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D133	8	3	0
E135	27	14	0
E136	27	14	0
E137	27	14	0
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**FACILITY PERMIT TO OPERATE  
 CALIFORNIA STEEL INDUSTRIES INC**

**SECTION D: DEVICE ID INDEX**

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D153	13	3	2
D154	13	3	2
C155	13	3	2
D156	13	3	2
E157	28	14	0
C158	14	3	2
C159	14	3	2
D161	28	15	1
C163	14	3	2
D178	15	3	3
D179	15	3	3
D180	16	3	3
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D184	18	3	3
D185	18	3	4
D186	19	3	4
D187	19	3	4
D188	20	3	4
D200	3	2	0
D201	3	2	0
D202	11	3	0
C209	11	3	0
D211	26	13	3
D212	21	4	0
D213	21	4	0
D214	21	4	0
D215	21	4	0

**FACILITY PERMIT TO OPERATE  
CALIFORNIA STEEL INDUSTRIES INC**

**SECTION D: DEVICE ID INDEX**

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D233	11	3	0
D234	4	2	0
D235	4	2	0
D236	5	2	0
D239	5	2	0





## 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, 6-3-2005; RULE 461, 3-7-2008; RULE 461, Balance Conditions, 1-9-2004]



## 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:

[Processes subject to this condition : 15]

#### DEVICE CONDITIONS

##### A. Emission Limits

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

[Devices subject to this condition : D133]

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



## 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:

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

[Devices subject to this condition : D145]

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



## 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:**

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

[Devices subject to this condition : D153]

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.



## 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:**

[**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, 12-7-1990]**

[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, 12-7-1990]

[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, D202]

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]



## 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:

[Devices subject to this condition : D81]

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)-Offset, 5-10-1996**; **RULE 1303(b)(2)-Offset, 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.



## 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:**

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

[Devices subject to this condition : D51]

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, 5-6-2005]**

[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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 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.

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

**[RULE 1110.2, 7-9-2010; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;  
RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**



## 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:**

[Devices subject to this condition : D9, D11, D200, D201, D228, D234, D235, D236, D239]

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.

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

[RULE 1110.2, 7-9-2010; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**  
**RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D200, D201, D228, D234, D235, D236, D239]

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, 5-6-2005]**

[Devices subject to this condition : D153]

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



## 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:**

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

[Devices subject to this condition : D216, D217, D218, D219]

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

[Devices subject to this condition : D216, D217, D218, D219]

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



## 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:**

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

[Devices subject to this condition : D220]

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



## 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:**

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, D217, D218, D219]

C1.23 The operator shall limit the throughput to no more than 30000 gallon(s) per day.

For the purpose of this condition, throughput shall be defined as spent pickle liquor unloaded from the continuous pickle line process tanks and loaded into the HCl/SPL tanks.

This limit shall be based on the total combined limit for equipment 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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D217, D218, D219]



## 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:**

C1.24 The operator shall limit the throughput to no more than 800000 gallon(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as spent pickle liquor unloaded from the continuous pickle line process tanks and loaded into the HCl/SPL tanks.

This limit shall be based on the total combined limit for equipment 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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D217, D218, D219]

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]

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



## 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:

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

[Devices subject to this condition : D81, 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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 2005, 5-6-2005**]

[Devices subject to this condition : D133, D202]

- C1.28 The operator shall limit the throughput to no more than 94500 gallon(s) per year.

For the purpose of this condition, throughput shall be defined as 19% ammonia solution loaded into the tank.

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

[**RULE 1401, 3-4-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]



## 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:**

[Devices subject to this condition : D233]

C1.29 The operator shall limit the operating time to no more than 4.2 hour(s) in any one calendar month.

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

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

[RULE 1110.2, 7-9-2010; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**  
**RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D235, D236, D239]

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]

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.



## 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:

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, C209]

- 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.



## 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:**

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]

- 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.



## 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:

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]

C6.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 800 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 : C209]

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.



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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 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]

C6.17 The operator shall use this equipment in such a manner that the backpressure being monitored, as indicated below, does not exceed 26.9 inches water column.

To comply with this condition, the operator shall install and maintain a(n) gauge to accurately indicate the differential pressure of the Diesel Particulate 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 : D235]

C6.18 The operator shall use this equipment in such a manner that the backpressure being monitored, as indicated below, does not exceed 27.3 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) gauge to accurately indicate the differential pressure of the Diesel Particulate 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 : D236]

- 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]

- 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.



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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 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]

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.



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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 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]

- 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.



## 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:

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.



## 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:**

[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**

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, 7-9-2010; RULE 1304(e), 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D9, D11, D200, D201, D228, D234, D235, D236, D239]

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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 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.



## 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:

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

[Devices subject to this condition : 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, 5-6-2005]

[Devices subject to this condition : D140, D141]

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

[Devices subject to this condition : D133, D202]

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



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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 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]

D28.7 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to demonstrate compliance with Rule 2012(j)(2) using the "Conditionally Acceptable" Protocol (Ref. no. P00001) dated January 25, 2000.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D82]

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



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

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

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, 5-6-2005]

[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, 5-6-2005]

[Devices subject to this condition : D145]

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



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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 1146, 9-5-2008; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2012, 5-6-2005**]

[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:**

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, 5-6-2005]**

[Devices subject to this condition : D11, D228]

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.



## 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:

**[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, D202]

- 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 1146, 9-5-2008; 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 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; RULE 461, 6-3-2005; RULE 461, 3-7-2008]**

[Devices subject to this condition : D161]



## 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:

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once 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]

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]



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

[Devices subject to this condition : D216, D217, D218, D219]

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.



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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(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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 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]

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]



## 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:**

[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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 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.

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

[**RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : D200, D201, D234, D235, D236, D239]

- 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.



## 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:**

[**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 : D212, D213, D214, D215, D216, D217, D218, D219]

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]

E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use ammonia injection if:

The inlet temperature to the SCR is 500 degrees F or less.

[**RULE 2005, 5-6-2005]**

[Devices subject to this condition : C209]

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.



## 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:

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

[Devices subject to this condition : D9, D11, D200, D201, D228, D234, D235, D236, D239]

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, 6-3-2005**; **RULE 461, 3-7-2008**; **RULE 461, Balance 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, D202]

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

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

E175.2 The operator shall not use this equipment unless all exhaust air passes through the following:

A Diesel Particulate Filter System (DPF) which is in full operation and which is in good operating condition at all times.

The DPF shall be operated in full compliance with the manufacturer's specifications and California Air Resource Board's Executive Order.



## 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:**

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

[Devices subject to this condition : D235, D236]

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

Operate the engine according to the manufacturer's emission-related written instructions.

Change only the emission related settings that are permitted by the manufacturer.

Meet the requirements of 40CFR parts 90 or 1054 as appropriate.

[**40CFR 60 Subpart JJJJ, 1-18-2008**]

[Devices subject to this condition : D239]

E193.2 The operator shall operate and maintain this equipment according to the following specifications:

Per manufacturer's specifications and CARB Executive Order DE-08-009-04.

[**40CFR 60 Subpart IIII, 6-28-2011**]

[Devices subject to this condition : D235, D236]

E193.3 The operator shall operate and maintain this equipment according to the following specifications:



## 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:**

Operate the engine according to the manufacturer's emission-related written instructions.

Change only the emission related settings that are permitted by the manufacturer.

Meet the requirements of 40CFR parts 89, 94 and/or 1054 as they apply.

**[40CFR 60 Subpart IIII, 6-28-2011]**

[Devices subject to this condition : D235, D236]

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]

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

The removal of the diesel particulate filter media for cleaning may only occur under the following conditions:

The internal combustion engine shall not be operated for maintenance and testing or any other non-emergency use while the diesel particulate filter media is removed; and

The diesel particulate filter media shall be returned and re-installed within 10 working days from the date of removal; and

The owner or operator shall maintain records indicating the dates the diesel particulate filter media was removed for cleaning and the dates the filter media was re-installed. Records shall be retained for a minimum period of 60 months.

[40CFR 60 Subpart III, 6-28-2011]

[Devices subject to this condition : D235]

#### H. Applicable Rules

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:



## 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:**

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[**RULE 1122, 10-1-2004**; RULE 1122, 5-1-2009]

[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, 5-6-2005**]

[Devices subject to this condition : D66]

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]

#### **I. Administrative**



## 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:**

I297.1 This equipment shall not be operated unless the facility holds 908 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D235]

I297.2 This equipment shall not be operated unless the facility holds 179 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D236]

I297.3 This equipment shall not be operated unless the facility holds 13 pounds of NOx RTCs in its allocation account to offset the annual emissions increase for the first year of operation. RTCs held to satisfy this condition may be transferred only after one year from the initial start of operation. If the hold amount is partially satisfied by holding RTCs that expire midway through the hold period, those RTCs may be transferred upon their respective expiration dates. This hold amount is in addition to any other amount of RTCs required to be held under other condition(s) stated in this permit.



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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

[RULE 2005, 6-3-2011]

[Devices subject to this condition : D239]

#### **J. Rule 461**

J373.2 The operator shall comply with the following gasoline transfer and dispensing 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:**

a). All permit conditions applicable to the equipment described in the previous Permit to Operate (N9876, A/N 347553) shall remain in effect until the new or modified equipment is constructed and operated as described in this new permit. This permit to construct/operate shall become invalid if the modification as described in the equipment description has not been completed within one year from the issue date.

If the modifications have not been completed within one year from the issue date of the permit, a written request shall be submitted to the AQMD (Attn: Randy Matsuyama) to reinstate the previously inactivated permit to operate. A new application shall be filed if there are plans to continue with the modification. Furthermore, this condition does not allow any time extensions to any modifications required by the California Air Resources Board or AQMD.

b). The District at its discretion may wish to witness the installation and/or performance testing of the new vapor recovery equipment. At least 72 hours prior to the installation of the equipment and any of the mentioned testing requirements in this permit, the applicant shall notify the AQMD by e-mail at R461testing@aqmd.gov. Such notification shall include the name of the owner or operator; the name of the contractor; the location of the facility and the scheduled start and completion dates of the test.

c). New equipment installations and subsequent service and repairs for any certified component for which this permit was issued, shall only be performed by a current and certified person who has successfully completed the manufacturer's training course and appropriate international code council (ICC) certification. Completion of any AQMD training course does not constitute as a substitute for this requirement. Proof of successful completion of a manufacturer training course shall be with the manufacturer.

d). At least seventy-two (72) hours prior to back-filling any underground storage tank or piping, the SCAQMD shall be notified by e-mail at r461backfill@aqmd.gov or by facsimile at telephone number (909) 396-3606. 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 back-filling procedure.



## 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:**

The backfilling procedure shall not commence until inspected by a District representative.

e). A static pressure leak decay test shall be conducted to demonstrate that the storage tank, 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 as a performance test and as a reverification test. Results shall be submitted to the AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of test.

f). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
60	0.35
80	0.62

Dynamic Back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB test procedure TP-201.4, methodology 1; as a performance test and as a reverification test. Results shall be submitted to the AQMD Office of Engineering and Compliance, within seventy-two (72) hours of the test.

g). If the CARB Executive Order requires the installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted in accordance with CARB Test Procedure Method TP-201-6C as a performance test and as a reverification test. Results shall be submitted to the AQMD, Office of Engineering and Compliance, within seventy-two (72) hours of the test.

h). The AQMD shall be notified by e-mail at [r461testing@aqmd.gov](mailto:r461testing@aqmd.gov) or by facsimile



## 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:**

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 contractor; the location of the facility; and the scheduled start and completion dates of the tests to be performed.

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

j). All records and test results that are required to be maintained by Rule 461 shall be kept on site and made available to district representatives upon request.

k). By April 1, 2013, the owner/operator of the equipment shall be in full compliance for standing loss control for the vapor recovery system as per the latest version of ARB Executive order VR-301.

l). By July 1, 2014, the owner/operator of this equipment shall submit an application and receive a permit to construct/operate to install and be in full compliance for all Phase I enhanced vapor recovery requirements.

[RULE 461, 6-3-2005; RULE 461, 3-7-2008; RULE 461, Balance Conditions, 1-9-2004]

[Devices subject to this condition : D161]

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

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.



## 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:**

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

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



## 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:**

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)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 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, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C148, C209]



## 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]

K67.13 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.

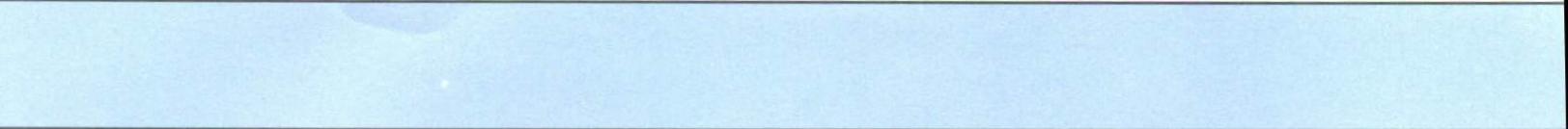
**[RULE 461, 6-3-2005; RULE 461, 3-7-2008; RULE 461, Hasstech Conditions, 1-9-2004]**

[Devices subject to this condition : D154]



AQMD

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: ABRASIVE BLASTING</b>					
<b>System 2: SURFACE PREPARATION</b>					
PLASMA ETCHER, ELECTRO DISCHARGE TEXTURING UNIT, SARCLAD, STEEL ROLLS, 72 ELECTRODES A/N: 437349 Permit to Construct Issued: 12/02/05	D223	C224		PM10: (9) [RULE 405, 2-7-1986]	C1.22, D29.3, D323.2, E71.19
MIST ELIMINATOR, THREE-STAGE, TORIT A/N: 437350 Permit to Construct Issued: 12/02/05	C224	D223 C225			D322.3
FILTER, HEPA FILTER, DELTA, 430 SQ.FT.; 2 BAGS A/N: 437350 Permit to Construct Issued: 12/02/05	C225	C224 C226			D322.3
CARBON ADSORBER, 2 CANISTERS CONNECTED IN SERIES, EACH WITH 2000 LBS, CALGON, GRANULATED ACTIVATED CARBON A/N: 437351 Permit to Construct Issued: 12/02/05	C226	C225			D90.2, E128.1, E153.1

\* (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 CALIFORNIA STEEL INDUSTRIES INC**

### **SECTION H: DEVICE ID INDEX**

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



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

### SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D223	1	5	2
C224	1	5	2
C225	1	5	2
C226	1	5	2



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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, 6-3-2005; RULE 461, 3-7-2008; RULE 461, Balance Conditions, 1-9-2004]

[Processes subject to this condition : 15]



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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

#### DEVICE CONDITIONS

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

C1.22 The operator shall limit the production rate to no more than 500 hour(s) in any one calendar month.

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

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

[Devices subject to this condition : D223]

##### D. Monitoring/Testing Requirements

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
VOC emissions	Approved District method	District-approved averaging time	Outlet of the APC equipment serving this equipment
PM10 emissions	Approved District method	District-approved averaging time	Outlet of the APC equipment serving this equipment



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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

In addition to the source test requirements of Section E of this facility permit, notify the District of the date and time of the test at least 10 days prior to the test.

The test(s) shall be conducted within 60 days after achieving maximum production rate, but no later than 120 days after initial start-up.

The test shall be conducted during maximum production rates.

Maximum production rate will consist of the maximum roll size and maximum surface roughness

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

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

[Devices subject to this condition : D223]

D90.2 The operator shall monitor and record the VOC concentration at the outlet of the carbon canister according to the following specifications:

The operator shall record the parameter requested once every 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 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : C226]

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 : C224, C225]



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

**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 a quarterly basis, at least, unless the equipment did not operate during the entire quarter. 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 that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

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

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

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

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



## FACILITY PERMIT TO OPERATE CALIFORNIA STEEL INDUSTRIES INC

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

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

[Devices subject to this condition : D223]

#### E. Equipment Operation/Construction Requirements

E71.19 The operator shall only operate this equipment if both the HEPA filter with Torit Dryflo Mist Eliminator and the Carbon Absorber are fully operational.

[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 : D223]

E128.1 The operator shall keep all spent carbon in a tightly covered container which shall remain closed except when it is being transferred into or out of the container.

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

[Devices subject to this condition : C226]

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough shall be defined as a condition when the built-in indicator installed in the carbon canister changes color, as suggested by the manufacturer.

The operator shall inspect and record the condition of the built-in carbon indicator once every 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]

[Devices subject to this condition : C226]