



South Coast Air Quality Management District

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

January 27, 2012

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

Dear Mr. Austin:

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

Please find attached the revised Title Page, Table of Contents, and Section H of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the Facility Permit amendment requested in your Application No. 528447. This permit revision includes the modification of the following equipment:

| Equipment | Application No. | Device No. | Process | Permit Type |
|---------------------|-----------------|------------|---------|-------------|
| Emergency IC Engine | 528442 | D235 | 2 | PC |
| Emergency IC Engine | 528445 | D236 | 2 | PC |

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
Chemical/Mechanical Operations

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

FACILITY PERMIT TO OPERATE

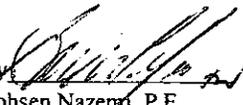
**CALIFORNIA STEEL INDUSTRIES INC
14000 SAN BERNARDINO AVE
FONTANA, CA 92335**

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 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 |
|--|--------|--------------|---|---|---|
| Process 2: INTERNAL COMBUSTION ENGINES | | | | | |
| INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, TURBOCHARGED/AFTERCOOLED, DIESEL FUEL, CATERPILLAR, MODEL 3512C DITA, 2206 HP WITH A/N: 528442 Permit to Construct Issued: 01/27/12 FILTER, DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT(+)-12-H-BITO-CS-24-LP | D235 | | NOX: LARGE SOURCE** | CO: 2.6 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; NOX: 0.5 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; NOX: 4.8 GRAM/BHP-HR DIESEL (2) [RULE 2012, 5-6-2005]; NOX: 4.8 GRAM/BHP-HR DIESEL (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.07 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; ROG: 0.3 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007] | C1.6, C1.8, C1.29, C6.17, D12.2, E71.15, E114.1, E175.2, I296.1 |

- * (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 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 |
|---|--------|--------------|---|--|---|
| Process 2: INTERNAL COMBUSTION ENGINES | | | | | |
| INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, TURBOCHARGED/AFTERCOOLED, DIESEL FUEL, CATERPILLAR, MODEL C15, SERIAL NO. FTE00523, 619 HP WITH A/N: 528445 Permit to Construct Issued: 01/27/12 FILTER, DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT (+) BITO-CS-12-LP | D236 | | NOX: PROCESS UNIT** | CO: 2.6 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; NOX: 1.5 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; NOX: 3 GRAM/BHP-HR DIESEL (2) [RULE 2012, 5-6-2005]; NOX: 3 GRAM/BHP-HR DIESEL (4) [RULE 2005, 5-6-2005; RULE 2005, 6-3-2011]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.015 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007]; ROG: 0.14 GRAM/BHP-HR DIESEL (6) [RULE 1470, 6-1-2007] | C1.6, C1.8, C1.29, C6.18, D12.2, E71.15, E114.1, E175.2, I296.2 |
| Process 3: STEEL ANNEALING OPERATION | | | | | |

- * (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 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 |
|--|--------|--------------|---|--|---|
| Process 3 - STEEL ANNEALING OPERATION | | | | | |
| <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 Permit to Construct Issued: 09/15/09</p> <p>BURNER, TOP PREHEAT, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TSX18, SIDE FIRED, 6 TOTAL; 15.5 MMBTU/HR</p> <p>BURNER, BOTTOM PREHEAT, NATURAL GAS, TECNINT TECHNOLOGIES, MODEL TSX20, SIDE FIRED, 6 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** | CO: 2000 PPMV NATURAL GAS (1) [RULE 407, 4-2-1982]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 101.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981] | B59.3, C1.27, D12.7, D29.4, D82.3, 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 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 |
|--|--------|--------------|---|--------------------------------|------------|
| Process 3: STEEL ANNEALING OPERATION | | | | | |
| 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, RADIANT ROOF, 30 TOTAL; 0.98 MMBTU/HR | | | | | |
| BURNER, BOTTOM SOAK, NATURAL GAS, TECHINT TECHNOLOGIES, MODEL TS12, END FIRED, 6 TOTAL; 8 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 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 |
|---|--------|--------------|---|---|------------------------------|
| Process 3: STEEL ANNEALING OPERATION | | | | | |
| SELECTIVE CATALYTIC REDUCTION, ENVIRO-KINETICS, USING HALDOR TOPSOE DNX-930 CATALYST, 743 CU.FT. WITH A/N: 502286 Permit to Construct Issued: 12/13/09 AMMONIA INJECTION, AQUEOUS AMMONIA, 19 %, AMMONIA HANDLING SYSTEM HEAT EXCHANGER, HEAT RECOVERY STEAM GENERATOR | C209 | D202 | | NH3: 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002] PM: (9) [RULE 404, 2-7-1986] | C6.3, C6.9, E73.1, K67.8 |
| Process 5: ABRASIVE BLASTING | | | | | |
| System 2: SURFACE PREPARATION | | | | | |
| 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 |

- * (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 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 |
|--|--------|--------------|---|--------------------------------|--------------------------|
| Process 5: ABRASIVE BLASTING | | | | | |
| 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
- (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 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 |
| D202 | 4 | 3 | 0 |
| C209 | 5 | 3 | 0 |
| D223 | 5 | 5 | 2 |
| C224 | 5 | 5 | 2 |
| C225 | 5 | 5 | 2 |
| C226 | 6 | 5 | 2 |
| D235 | 1 | 2 | 0 |
| D236 | 2 | 2 | 0 |

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

B. Material/Fuel Type Limits

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 : D202]

C. Throughput or Operating Parameter Limits

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.

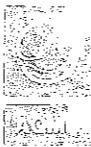
[RULE 1110.2, 7-9-2010; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D235, D236]

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.



**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:

**[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]

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]

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 : D202]

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.



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:

**[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]

- C6.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 6 inches water column.

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

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

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

[Devices subject to this condition : C209]

- 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]

- C6.17 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.



**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:

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.

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]

D. Monitoring/Testing Requirements

- 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 : D235, D236]

- 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.

**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:

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 : D202]

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 |

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**]



**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]

D29.4 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 |
|---------------------------|--------------------------|----------------------------------|--|
| PM10 emissions | Approved District method | District-approved averaging time | Outlet |
| NOX emissions | Approved District method | District-approved averaging time | Inlet and outlet of SCR serving this equipment |
| NH3 emissions | Approved District method | District-approved averaging time | Outlet of the SCR serving this equipment |

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 90 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted during maximum production rates.

The test shall be conducted to demonstrate compliance with BACT emission limit for NH3 and NOx; and to determine offset requirements for PM10.

Notwithstanding the requirements of Section E conditions, the source test results shall be submitted to the District no later than 60 days after the source test was conducted.

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

[Devices subject to this condition : D202]

D82.3 The operator shall install and maintain a CEMS to measure the following parameters:

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

NOX concentration in ppmv

Concentrations shall be corrected to 3 percent oxygen on a dry basis.

The CEMS shall be installed and in operation prior to the start-up of the burners, prior to drying out and tempering of the refractory. The operator shall certify the CEMS within 180 days after initial 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 : D202]

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]



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

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

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

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

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

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

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



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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 : D202]

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.

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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 : D223]

E. Equipment Operation/Construction Requirements

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 : D235, D236]

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]

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]



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

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

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

[Devices subject to this condition : D235, D236]

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]

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 : D202]

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]

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

[Devices subject to this condition : C226]

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.

[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]

I. Administrative

I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the annual emissions increase for the first 12 months of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

For the purposes of this condition, the annual emission increase is 908 lbs. of NO_x

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

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

[Devices subject to this condition : D235]



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:

I296.2 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the annual emissions increase for the first 12 months of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the start of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

For the purposes of this condition, the annual emission increase is 179 lbs. of NO_x

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

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

[Devices subject to this condition : D236]

K. Record Keeping/Reporting

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/NO_x ratio

[RULE 2012, 5-6-2005; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C209]