



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
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May 27, 2015

Mr. Gerardo C. Rios
Chief of Permit Operation
U. S. EPA, Region IX, AIR 3
75 Hawthorne Street
San Francisco, CA 94105-3901

Dear Mr. Rios:

California Steel Industries (ID 046268) has proposed to revise their Title V Permit by replacing the 22 burners from Zones 6 and 7 of their Reducing Furnace (D82) from their No. 1 Continuous Galvanizing Line. California Steel is a steel rolling mill and is located at 14000 San Bernardino Avenue, Fontana, CA 92335. This proposed permit revision as requested under Application No. 573201 is considered a "de minimus significant" permit revision to their Title V permit. Attached for your review are the evaluation and the proposed permit. With your receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period will begin on May 27, 2015.

If you have any questions or need additional information regarding the proposed permit revision, please call Monica Fernandez-Neild at 909.396.2202.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mohan Balagopalan". The signature is fluid and cursive, written over a white background.

Mohan Balagopalan
Senior Manager
Chemical, Mechanical and Port Permitting

MB:mfn

Attachments

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION APPLICATION PROCESSING AND CALCULATIONS	PAGE 1	PAGES 6
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**EQUIPMENT MODIFICATION ANALYSIS
PERMIT TO CONSTRUCT**

FACILITY MAILING ADDRESS

California Steel Industries
14000 San Bernardino Avenue
Fontana, California 92335

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

EQUIPMENT LOCATION

SAME AS ABOVE

EQUIPMENT DESCRIPTION

APPLICATION NO: 573200 EQUIPMENT MODIFICATION

MODIFICATION OF FACILITY PERMIT DEVICE ID D82
BY THE REMOVAL OF:
22 NATURAL GAS FIRED, NORTH AMERICAN MFG. CO., MODEL 4748-600
RASERT BURNERS, EACH 140,000 BTU PER HOUR.
BY THE ADDITION OF:
22 NATURAL GAS FIRED ECLIPSE, MODEL SER600-VCO BURNERS, EACH
140,000 BTU PER HOUR.

APPLICATION NO. 573201 FACILITY PERMIT REVISION

DE MINIMUS SIGNIFICANT TITLE V PERMIT REVISION/RECLAIM AMENDMENT

BACKGROUND

Application No. 573200 was filed on March 11, 2015, for a Class I equipment modification to a NOx Large Source device. Application No. 573201 was filed on March 11, 2015, for a De Minimis Significant Title V Permit Revision/ RECLAIM Amendment.

Complaints

There were no complaints credited to California Steel for the past 2 years.

Notices to Comply

D28697, issued on 4/26/13, to Provide records of monthly throughput of steel processed from January 2004 to present.
Applicant provided records by May, 3, 2013.

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E12239, issued on 10/11/2013, 1-To calculate 15-min data using only valid data. 2- Calculate fuel for shared equipment by percent ration. 3-Apply MDP to Process and Rule 219 whenever mdp is used for equipment on same line. 4-Calculate emissions for D11 and D234 using FPO emission factor. 5-Electronically report emissions for D9, D228, & D236. 6-Electronically report NMQ emissions. Applicant was in compliance by 10/25/13.

Notices of Violation

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

PROCESS DESCRIPTION

CSI is a steel rolling mill that produces five different steel products: hot rolled, cold rolled, pickled and oiled, galvanized sheet, and electric resistance welded pipe. The steel manufacturing process begins in the Hot Strip Mill where thick steel slabs are heated in large furnaces and rolled to produce steel coil. The coil is then sent to the 62-inch continuous pickling line to remove scale and rust from the surface of the steel coil.

CSI produces galvanized steel at its #1 and #2 Continuous Galvanizing Lines (#1 CGL and #2 CGL). Immediately prior to passing through the #1 CGL, the steel coils are processed through CSI's 5-Stand Cold Reduction Mill, where the steel coil is further reduced in thickness from what is produced in the Hot strip Mill.

The #1 Continuous Galvanizing Line (#1CGL) consists of four permitted devices (devices D81, D82, D83 and D84). Within the #1 CGL, the cleaned coils are first welded end to end to create a continuous sheet of steel. The continuous sheet of steel first passes through the Preheating Section, device ID D81, and then it passes through the Reducing Section, Device ID D82, which consists of seven different zones with a total of 149 burners. Following the Reducing section the coil will then pass through the Annealing Section, device D83, where the strip is annealed to meet specific product specifications; and finally the Chem Treat Unit, device D84.

The coil will then pass through a bath of molten zinc, devices D151 and D152, to provide a final coating to the surface. The strip may then pass through a Holding Furnace, device D153, where the strip is reheated to produce a product called galvanneal.

EVALUATION / DISCUSSION

For this application, the applicant is proposing to replace all 22 existing North American Mfg Co., Model 4748-600 RASERT Burners with Eclipse, Model SER600-VCO burners. Twelve of the burners are located in Zone #6 and ten of the burners

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are located in Zone #7. The maximum rating of the 22 individual burners will remain the same, at 140,000 Btu/hr each. The burner replacement is being performed to improve reliability and reduce maintenance costs associated with the current RASERT burners. The new Eclipse burners are also expected to be more fuel efficient in addition to being low NOx.

Given:

Operating schedule – 24 hrs/day, 7 days/wk, 52 wks/yr.

Maximum Heat rating – 121.88 MMBtu/hr.

- | | |
|--|----------------------------|
| D81 - 32 Burners totaling 63.84 MMBtu/hr | Preheating Section |
| D82 - 149 Burners totaling 32.671 MMBtu/hr | Reducing Section – 7 Zones |
| D83 - 30 Burners totaling 24.369 MMBtu/hr | Annealing Section |
| D84 - 1 Burner totaling 1.0 MMBtu/hr | Chem Treat Section |

There are no changes in emissions resulting from replacing the burners in Zones 6 & 7 of the Reducing Section, Device ID D82 emissions shall be brought forward for the #1 CGL. Included in file is the Application Transaction Query for the previous permit for the #1 CGL, A/N 464295

RULES COMPLIANCE

RULE 212 Public Notification

Paragraph 212 (c)(1) Requires a public notice for all new or modified permit units that may emit air contaminants located within 1,000 feet from the outer boundary of a school. According to the website geodistance.com the closest school, Live Oak Elementary School is over 1 mile from California Steel Industries' property line. A 30-Day Public Notice is not required under this paragraph.

Paragraph 212(c)(2) The equipment will not result in on-site emission increase exceeding the daily maximums as specified in the table in Rule 212(g). Therefore, a 30-day public notice period will not be required under this paragraph.

Paragraph 212(c)(3) Public notice will not be required under this paragraph since there is no increase in TAC emissions. See Rule 1401 evaluation section.

RULE 401 Compliance is expected. Visible emissions are not expected with proper maintenance and operation of this equipment. No visible emission complaints or notices were found for this facility.

RULE 402 Compliance is expected. Operation of the equipment is not expected to create a nuisance. No nuisance complaints were found for this facility.

REG. XIII/XX The permit changes/modifications requested will not result in an increase in rating #1 Galvanizing Furnace device IDs D81-D84 or an

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increase in the PTE of any pollutants. The burner replacement requested in this application is expected to decrease NOx emissions. **BACT, Modeling and Offsets** do not apply.

Per Rule 219, the #1CGL was exempt from written permit prior to June 3, 1988; to date all the permit changes have resulted in a net decrease in equipment rating and/or an emission decrease has not been subject to a BACT evaluation.

REG XXX: This facility is in the RECLAIM program. The proposed project is considered a "de minimis significant permit revision" for non-RECLAIM pollutants and hazardous air pollutants (HAPs), and a "minor permit revision" for RECLAIM pollutants to the RECLAIM/Title V permit for this facility.

Non-RECLAIM Pollutants or HAPs

Rule 3000(b)(6) defines a "de minimis significant permit revision" as any Title V permit revision where the cumulative emission increases of non-RECLAIM pollutants or HAPs from these permit revisions during the term of the permit are not greater than any of the following emission threshold levels:

Air Contaminant	Daily Maximum (lbs/day)
HAP	30
VOC	30
NOx*	40
PM ₁₀	30
SOx*	60
CO	220

* Not applicable if this is a RECLAIM pollutant

To determine if a project is considered as a "de minimis significant permit revision" for non-RECLAIM pollutants or HAPs, emission increases for non-RECLAIM pollutants or HAPs resulting from all permit revisions that are made after the issuance of the Title V renewal permit shall be accumulated and compared to the above threshold levels. This proposed project is the 6th permit revision to the Title V renewal permit issued to this facility on February 1, 2011. The following table summarizes the cumulative emission increases resulting from all permit revisions since the Title V renewal permit was issued:

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Revision	HAP	VOC	NOx*	PM ₁₀	SOx	CO
1 st Permit Revision: R461 Phase II Mod	0	0	0	0	0	0
2 nd Permit Revision: Installation of 2- Emergency ICEs	0.012	0.20	3.018	0.012	0.13	0.188
3 rd Permit Revision: Installation of 1 Emergency ICE	0.01	0.003 1	0.0369	0.01	0.00	0.003 5
4 th Permit Revision: R461 Phase I Mod	0	0	0	0	0	0
5 th Permit Revision: New Pipe Mill, #2	0.01917	0	0	0.4092	0	0
6 th Permit Revision: Mod of Pipe Mill #2	0.00181	0	0	0.0386	0	0
7 th Permit Revision Burner Replacement	0	0	0	0	0	0
Cumulative Total	0.0430	0.2031	3.0549	0.4698	0.13	0.1915
Maximum Daily	30	30	40*	30	60	220

* RECLAIM pollutant, not subject to emission accumulation requirements

RECLAIM Pollutants

Rule 3000(b)(12)(A)(v) defines a "minor permit revision" as any Title V permit revision that does not result in an emission increase of RECLAIM pollutants over the facility starting Allocation plus non-tradable Allocations, or higher Allocation amount which has previously undergone a significant permit revision process.

Since NOx is a RECLAIM pollutant for this facility, a separate analysis shall be made to determine if the proposed permit revision is considered a "minor permit revision" for RECLAIM pollutants. Section B of the Title V permit shows that this facility's NOx starting Allocation plus the non-tradable Allocation is 610,382 pounds. The proposed project does not result in an increase of NOx emissions from this permit revision. As a result, this proposed project is considered as a "minor permit revision" for RECLAIM pollutants.

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RECOMMENDATION

The proposed project is expected to comply with all applicable District Rules and Regulations. Since the proposed project is considered a "de minimus significant permit revision" for RECLAIM pollutants, it is exempt from the public participation requirements under Rule 3006(b). A proposed permit incorporating this permit revision will be submitted to EPA for a 45-day review (CSI has requested the opportunity to review the draft permit prior to it being sent to EPA for review), pursuant to Rule 3003(j). If EPA does not have any objections within the review period, a revised Title V/RECLAIM permit will be issued to this facility.

Issue Permit to Construct for A/N 573200 as described in this report and Section H of the Facility Permit.

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					
FURNACE, ANNEALING, PREHEATER SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, WITH 32 BURNERS TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 63.84 MMBTU/HR A/N:	D81		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.7, B59.4, C1.26, D82.1, E71.1
FURNACE, REDUCING SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, NO. 1 CONTINUOUS GALVANIZING LINE, 32.671 MMBTU/HR WITH A/N: BURNER, NATURAL GAS, NORTH AMERICAN MFG CO, MODEL 4725-2-E, 127 TOTAL; 0.233 MMBTU/HR BURNER, NATURAL GAS, ECLIPSE, MODEL SER600-VCO, 22 TOTAL; 0.14 MMBTU/HR	D82		NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 101.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	A63.7, C1.26, D29.1
FURNACE, ANNEALING SECTION, NATURAL GAS, ELECTRIC FURNACE COMPANY, WITH 30 BURNERS TOTAL, CONTINUOUS GALVANIZING LINE NO. 1, 24.369 MMBTU/HR A/N:	D83		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 101.4 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.3, D12.4

- * (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 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					
FURNACE, CHEM TREAT SECTION, GALVINIZING, NATURAL GAS, 1 MMBTU/HR A/N:	D84		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D323.1
Process 11: PIPE MILL					
PLASMA ARC CUTTER, PRIMARY CROPPER, HYPER THERM, MODEL POWERMAX 125, EACH 21.9 KW, 2 TOTAL A/N: 570717 Permit to Construct Issued: 03/24/15	D240	C241			B27.2, C1.30
DUST COLLECTOR, CLEAN AIR TECH, MODEL CPC-100, 1033 SQ.FT.; 24 BAGS A/N: 563566 Permit to Construct Issued: 08/13/14	C241	D240			A72.1, D29.5, D322.3, D381.2, E102.1, H23.6, K67.1
PLASMA ARC CUTTER, REWORK CROPPER, HYPER THERM, MODEL POWERMAX 125, EACH 21.9 KW, 2 TOTAL A/N: 570718 Permit to Construct Issued: 03/24/15	D242	C243			B27.2, C1.30
DUST COLLECTOR, CLEAN AIR TECH, MODEL CPC-100, 1033 SQ.FT.; 24 BAGS A/N: 563568 Permit to Construct Issued: 08/13/14	C243	D242			A72.1, D29.5, D322.3, D381.2, E102.1, H23.6, K67.1

* (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

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Device ID	Section H Page No.	Process	System
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D82	1	3	0
D83	1	3	0
D84	2	3	0
D240	2	11	0
C241	2	11	0
D242	2	11	0
C243	2	11	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, 4-6-2012; RULE 461, Balance Conditions, 1-9-2004;
RULE 461, OPW Phase I EVR Conditions, 6-3-2005]

[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

A. Emission Limits

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

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

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

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

[Devices subject to this condition : D81, D82]

A72.1 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 99 percent for PM10 during the normal operation of the equipment it vents.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 9-10-2010]

[Devices subject to this condition : C241, C243]

B. Material/Fuel Type Limits

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:

B27.2 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401 (except for those compounds listed below), as amended 09/10/2010.

COMPOUND	CAS NO.	Weight %
CHROMIUM	18540-29-9	0.10
COPPER	7440-50-8	0.15
MANGANESE	7439-96-5	1.65
NICKLE	7440-02-0	0.10

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D240, D242]

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

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

fluorides, chlorine, or aluminum chloride

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

[Devices subject to this condition : D81]

C. Throughput or Operating Parameter Limits

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]

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 : D83]

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

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

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]

- C1.30 The operator shall limit the throughput to no more than 1444 in any one day.

For the purpose of this condition, throughput shall be defined as cuts of carbon steel pipe.

This limit shall be based on the total combined limit for equipment D240 and D242.

The maximum outer diameter of the carbon steel pipe shall not exceed 24 inches.

The thickness of the carbon steel pipe cut shall not exceed 0.75 inches.

The width of the Kerf shall not exceed 0.11811 inches (3 mm).

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 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1401, 9-10-2010]

[Devices subject to this condition : D240, D242]

D. Monitoring/Testing Requirements

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

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

[Devices subject to this condition : D83]

D29.1 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
CO emissions	Approved District method	District-approved averaging time	Outlet
NOX emissions	Approved District method	District-approved averaging time	Outlet

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, the facility permit holder shall submit a protocol to the SCAQMD engineer no later than 45 days prior to the proposed test date, and 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 180 cumulative days of operation after initial start-up.

The test shall be conducted while firing at normal production rates.

The test shall be conducted to demonstrate compliance with the NOx BACT limit of 50 ppmv at 3 percent oxygen..

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.

The subject of this source test are the 12 Eclipse burners of Zone 6 and 10 Eclipse burners of Zone 7.

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

[Devices subject to this condition : D82]

D29.5 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	Simultaneous inlet and outlet
Multiple metals	Approved District method	District-approved averaging time	Outlet
Hexavalent chromium	Approved District method	District-approved averaging time	Outlet

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, the Facility permit holder shall submit the protocol to the SCAQMD no later than 45 days prior to the proposed test date and notify the SCAQMD 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 cumulative days of operation after initial start-up.

The test shall be conducted during normal production.

For the PM/PM10 test a minimum two different ERW pipe diameters and/or thicknesses is required.

For the multiple metals and hexavalent chrome test, only one ERW pipe diameter and thickness is required.

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 : C241, C243]

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

NOX concentration in ppmv

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D81]

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:

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 : C241, C243]

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:

D323.1 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]

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 : D84]

D381.2 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 quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C241, C243]

E. Equipment Operation/Construction Requirements

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

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

[Devices subject to this condition : D81]

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:

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 : C241, C243]

H. Applicable Rules

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM10	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C241, C243]

K. Record Keeping/Reporting

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 : C241, C243]