



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Engineering and Compliance Office

APPLICATION PROCESSING AND CALCULATIONS

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Section H

(Permit to Construct)

Modification of Sheet Metal Coil Coating, Process 4, System 2

Legal Owner
or Operator:

STEELSCAPE, INC.
11200 ARROW ROUTE
RANCHO CUCAMONGA, CA 91730-4899

ID: 126498

Equipment
Location:

SAME AS ABOVE

Equipment Description:

A/N 572233 Title V/RECLAIM Permit Revision

Section H

Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: SHEET METAL COIL PROCESSING LINE					
System No. 1: SHEET METAL COIL PRETREATMENT					
MIXER, SODIUM HYDROXIDE, WIDTH: 4 FT 8 IN; HEIGHT: 6 FT 11 IN; LENGTH: 5 FT 4 IN A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11</u> <u>05/99/99</u>	D6				
CLEANER, ALKALINE, SPRAY CLEANING STATION #1 A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11</u> <u>05/99/99</u>	D9				
CLEANER, ALKALINE, SPRAY CLEANING STATION #2 A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11</u> <u>05/99/99</u>	D10				
CLEANER, ALKALINE, SPRAY CLEANING STATION #3 A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11</u> <u>05/99/99</u>	D11				
COATER, CHROMATE CONVERSION COATING A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11</u> <u>05/99/99</u>	D12				E71.1



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Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
OVEN, DRYING, NATURAL GAS, 3.5 MMBTU/HR A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11 05/99/99</u>	D13		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
System 2: SHEET METAL COIL COATING					S2.1
COATER, ROLL, PRIMER A/N: <u>529302</u> Permit to Construct Issued: <u>12/16/11</u>	D7	C57		VOC: (9) [RULE 1125, 1-13-1995; RULE 1125, 3-7-2008; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]; VOC: 0.14 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart TT, 10-4-1991]	H23.1, H116.4
COATER, ROLL, FINISH PRIMER , GFG, MODEL 10.5S3(RT)/S2(AR) 13, 60 INCH SHEET WIDTH A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11 05/99/99</u>	D59	C57		VOC: (9) [RULE 1125, 1-13-1995; RULE 1125, 3-7-2008; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]; VOC: 0.14 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart TT, 10-4-1991]	H23.1, H116.1
COATER, ROLL, FINISH, GFG, MODEL UNKNOWN , 60 INCH SHEET WIDTH A/N: <u>572291</u> Permit to Construct Issued: <u>05/99/99</u>	D60	C57		VOC: (9) [RULE 1125, 1-13-1995; RULE 1125, 3-7-2008; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]; VOC: 0.14 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart TT, 10-4-1991]	H23.1, H116.1
OVEN, DRYING, PRIMER, NATURAL GAS, FOUR 3.75 MMBTU/HR ZONE INCINERATORS, 15 MMBTU/HR A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11 05/99/99</u>	D14	C57	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.8, H116.1
OVEN, DRYING, FINISH, NATURAL GAS, THREE 3.75 MM BTU/HR AND TWO 3.5 MM BTU/HR ZONE INCINERATORS, 18.25 MMBTU/HR A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11 05/99/99</u>	D15	C57	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.8, H116.1
AFTERBURNER, ADWEST RETOX 28.0 RTO95, WITH 323 GAL/HR WATER SPRAYED COOLING SYSTEM, NATURAL GAS, REGENERATIVE, DUAL CERAMIC HEAT EXCHANGER MEDIA, 7.862 MMBTU/HR WITH A/N: <u>529302 572291</u> Permit to Construct Issued: <u>12/16/11 05/99/99</u>	C57	D7 D14 D15 D59	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 29 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]	A72.1, A72.2, A416.1, D12.8, D29.1, D29.2, E193.1, E193.2, H116.1, K67.5
BOILER, WASTE HEAT,					



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Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
SUPERIOR, MODEL 5-WH-2506-F-150M, WITH ONE 30-HP ELECTRIC FAN BLOWER					
System 3: STORAGE TANK					
STORAGE TANK, CHROMIC ACID SOLUTION A/N: 529302 572291 Permit to Construct Issued: 12/16/11 05/99/99	D23				E71.1
STORAGE TANK, CHROMIC ACID SOLUTION A/N: 529302 572291 Permit to Construct Issued: 12/16/11 05/99/99	D24				E71.1
STORAGE TANK, HEATED, ALKALINE CLEANING SOLUTION A/N: 529302 572291 Permit to Construct Issued: 12/16/11 05/99/99	D25				
STORAGE TANK, HEATED, ALKALINE CLEANING SOLUTION A/N: 529302 572291 Permit to Construct Issued: 12/16/11 05/99/99	D26				
STORAGE TANK, HEATED, ALKALINE CLEANING SOLUTION A/N: 529302 572291 Permit to Construct Issued: 12/16/11 05/99/99	D27				

Background

The following is a summary of the proposed modification:

1. Removing D7 from service.
2. Moving D59 from 1st floor to 2nd floor, where D7 is now. D59 will be used for applying the exact same primer as now being applied in D7.
3. Adding a new coater, D60, which will be used for applying the exact same finisher as now being applied in D59. A larger PTE will be built to enclose the new coater. However, the exhaust system will be unchanged.



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Another word, the new D60 coater will replace D59, which will replace D7, which will be removed from the facility.

The applicant is not proposing to apply any additional new coatings, neither new primers nor new finishers, or to increase their throughputs. Therefore, this project does not have any potential to effect emissions.

The proposed modification will not result in any change in emissions, either criteria pollutants or toxic air contaminants. Therefore, this project is considered a minor permit revision to the Title V renewal permit, issued on May 6, 2012.

A review of compliance records indicate that over the past two years, the company received two notices to comply and one notice of violation for failure to comply with various NOx RECLAIM monitoring and reporting requirements. The facility has since addressed all the issues and is currently operating in compliance. The company has also operated without causing any public nuisance complaints within the same period.

Process Description

The company conducts a metal coil coating operation on site. Continuous sheet of metal coil is first cleaned, pretreated, and dried in Devices Nos. D6, D9, D10, D11, D12 & D13 respectively. Dried metal sheet is subsequently primed, dried, finished & dried in Devices Nos. D7, D14, D59 & D15 respectively.

Emissions from coating and drying are vented to the C57 oxidizer via four permanent total enclosures (PTE). The proposed project has been summarized in the background section of this report. The C57 oxidizer can be operated with most of the heat generated from the combustion of VOC in the emission stream while the burners inside the oxidizer can be on low fire or off completely and will come back on when needed. The outlet gases from the oxidizer are then run through a waste heat boiler to create steam.

The applicant is proposing to keep the same controlled VOC emission cap of 339 pounds per day for this process line. The same coatings will be used with no increases of toxic air contaminants. Therefore, this project is subject to Rule 1401, as amended December 9, 1990. The proposed replacement will not result in any changes of emissions, including toxic emissions.

The following is the proposed operating schedule:



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<u>hr/dy</u>	<u>dy/wk</u>	<u>wk/yr</u>	
24	7	52	<-- <u>average</u>
24	7	52	<-- <u>maximum</u>

Emission Calculations

Process 4, System 2, is limited to 339 pounds of VOC per day. Emissions from this line are vented to an air pollution control equipment thermal oxidizer with greater than 95% destruction efficiency. The coating and drying operations in this line are performed within PTEs with 100% capture efficiency.

VOC limit = R2 = 339 lbs/day

R1 = (339)/(1-95%) lbs/day = 6780 lbs/day

Therefore, same set of data from previous A/N 529302, are entered for this application in NSR and AEIS, as summarized in the following:

	NSR---->>>	<u>max</u>	<u>max</u>	<u>30-day</u>	AEIS---->>>	<u>ave</u>
	(lb/hr)	(lb/dy)	(lb/dy)			(lb/hr)
<u>ROG (R1)</u>	282.5	6780	NA			282.5
<u>ROG (R2)</u>	14.13	339	0			14.13

Rule Evaluation

Rule 212(c)(1): This section 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.

Since no school is located within 1,000 ft, a public notice will not be required.

Rule 212(c)(2): This section requires a public notice for all new or modified facilities that have on-site emission increases exceeding any of the daily maximums as specified by Rule 212(g).



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	Maximum Daily Controlled Emissions					
	ROG	NOx	PM10	SO2	CO	Pb
Total Increase (lb/dy)	0	0	0	0	0	0
MAX MDC Limit (lb/dy)	30	40	30	60	220	3
Compliance Status	Yes	Yes	Yes	Yes	Yes	Yes

The above table summarizes the emission limits and increases. Since emission increases are less than the limits, a public notice will not be required.

Rule 212(c)(3): There will be no increases in TACs. A public notice will not be required per this section.

Rule 212(g): This section requires a public notice for all new or modified sources that have equipment emission increases exceeding any of the daily maximums as specified by Rule 212(g).

There is no increase in emissions due to the proposed modification.

	Maximum Daily Controlled Emissions					
	ROG	NOx	PM10	SO2	CO	Pb
Per equipment	0	0	0	0	0	0
MAX MDC Limit (lb/dy)	30	40	30	60	220	3
Compliance Status	Yes	Yes	Yes	Yes	Yes	yes

Therefore, no public notice is required for this project.

Rule 401: Visible emissions are not expected with the proper operation of the equipment.

Rule 402: Nuisance is not expected with the proper operation of the equipment.

Rule 1125: The proposed VOC emission control system is expected to achieve an overall control efficiency of 95%, in compliance with Rule 1125(c)(2)(A).



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Rule 1171: The clean-up operations for this equipment are expected to be in compliance with this rule.

REG XIII: The proposed modification is not expected to result in any emission increase and therefore will not trigger the requirements of this regulation. The coil coating line will continue to be limited through condition S2.1 to 339 pounds per day of VOC. The applicant will be required to source test the equipment to ensure that the PTE will continue to meet the requirements of Permanent Total Enclosure.

Regulation XX: The proposed modification has no impact on NOx. Compliance with this Regulation is expected.

Rule 1401: The proposed modification will not result in any emission increase including toxic emissions. Therefore, it will not trigger the requirements of this Rule.

40CFR60 Subpart TT—Standards of Performance for Metal Coil Surface Coating:

Steelscape uses an air pollution control system to reduce VOC emissions from their coil coating operations and is therefore subject to 60.462(a)(2), which requires 0.14 kg VOC per liter of coating solids applied during each calendar month.

For the month of January 2015, the coating line emitted a total of 3749 lbs of VOC (1687 kg VOC) with total solids applied of 6528 gallons (24742 liter of solids). Therefore,

$\text{Kg VOC/Liter of solids} = 1687/24742 = 0.0682$

in compliance with the rule max limit of 0.14 kg VOC/L solids



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Regulation XXX Evaluation

This facility is in the RECLAIM program. The proposed project is considered as a "minor permit revision" for non-RECLAIM pollutants or 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 "minor permit revision" as any Title V permit revision where the cumulative emission increases of non-RECLAIM pollutants or hazardous air pollutants (HAP) 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
PM10	30
SOx*	60
CO	220
<i>*Not applicable if this is a RECLAIM pollutant</i>	

To determine if a project qualifies for a "minor 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 1st permit revision to the Title V renewal permit issued to this facility on May 6, 2012. The following table summarizes the cumulative emission increases resulting from all permit revisions since the Title V renewal permit was issued:

	HAP	VOC	NOx*	PM10	SOx	CO
1 st Revision	0	0	0	0	0	0
Cumulative Total	0	0	0	0	0	0
Maximum Daily	30	30	40	30	60	220
<i>*RECLAIM pollutant, not subject to emission accumulation requirements</i>						

Since the cumulative emission increases resulting from all permit revisions are not greater than any of the emission threshold levels, this proposed project is considered as a "minor permit revision" for non-RECLAIM pollutants or HAPs.



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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 as a "minor permit revision" for non-RECLAIM pollutants and a "minor permit revision" for RECLAIM pollutant, 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 pursuant to Rule 3003(j). If EPA does not have any objections within the review period, a revised Title V permit Section H will be issued to this facility with the following conditions:

SYSTEM CONDITIONS

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 339 LBS IN ANY ONE DAY

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

[Systems subject to this condition: Process 4, System 2]

DEVICE CONDITIONS

A. Emission Limits

A72.1

The operator shall maintain this equipment to achieve a minimum destruction efficiency of 95 percent for VOC during the normal operation of the equipment it vents.

[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 : C57]

A72.2

The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95 percent for VOC during the normal operation of the equipment it vents.

[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: C57]

A416.1

Notwithstanding Section E administrative condition No. 7b, for compliance with NOx emission limit of 29 ppmv, NOx emissions from this device shall not be corrected for oxygen and shall be at actual stack conditions.

[RULE 2012, 5-6-2005]

[Devices subject to this condition: C57]

D12.8

The operator shall install and maintain a(n) stack flow monitor to accurately indicate the



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flue gas flow from the oxidizer stack to provide continuous and cumulative actual flow rate from the ovens and afterburner. Such flow monitor shall be maintained and calibrated in accordance with the system maintenance procedures and schedules specified on the latest flow monitor's QA/QC plan that is approved by the District.

NOx emissions from the afterburner shall be calculated using the NOx RECLAIM concentration limit of 29 ppmv and the stack flow rate at stack conditions (no correction for oxygen) by using Rule 2012 Appendix A, Chapter 4, equation 28c.

The NOx emissions calculated for the afterburner under Device No. C57 have already included the NOx emissions from the ovens under D7, D59, D14 & D15. The operator is not required to calculate the individual NOx emissions from each oven.

When valid exhaust flow rate of an afterburner is not obtained from the stack flow monitor, substituted data for the exhaust flow rate for the afterburner shall be determined by using procedures in the certification letter for the continuous exhaust flow monitor and the missing data procedures applicable to flow as set forth in Rule 2012 Appendix A, Chapter 3, Section K (2).

[RULE 2012, 5-6-2005]

[Devices subject to this condition: D14, D15, C57]

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
VOC emissions	Approved District Method	District-approved averaging time	Inlet and Outlet simultaneously
NOX emissions	Approved District Method	District-approved averaging time	Outlet
CO emissions	Approved District Method	District-approved averaging time	Outlet

The source tests shall be conducted while the oxidizer is operating at a temperature of not less than the minimum operating temperature specified in this permit. If the operating temperature during the source tests is greater than the minimum operating temperature specified in this permit, the minimum operating temperature may be increased to reflect the operating temperature during the source tests.

The test(s) of VOC and CO emissions shall be conducted at least once every five years.



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The test(s) shall be conducted no later than May 5, 2016 unless otherwise approved in writing by the District

The test(s) of NOx emissions shall be conducted to determine the actual NOx concentration at the stack level and to validate the certification for the continuous exhaust flow monitor as set forth in Rule 2012(j).

The test(s) of VOC emissions shall be conducted to demonstrate compliance with a minimum overall VOC control efficiency of 95 percent during the normal operation of the equipment it vents.

A source test protocol shall be submitted to the District (addressed to South Coast Air Quality Management District, PO Box 4941, Diamond Bar, CA 91765) and shall be approved in writing by the District before the test commences.

The test protocol shall include the completed District Forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, a statement from the testing laboratory certifying it meets the criteria in District Rule 304(k), and a description of the sampling and analytical procedures to be used.

A written notice of the source test(s) shall be submitted to the District (addressed to South Coast Air Quality Management District, PO Box 4941, Diamond Bar, CA 91765) at least 14 days prior to source testing date so that an observer from the District may be present.

Two complete copies of the source test reports shall be submitted to the District (addressed to South Coast Air Quality Management District, PO Box 4941, Diamond Bar, CA 91765) within 45 days after the source testing date. The source test report shall include, but not limited to all testing data required by this condition.

The results of all tests (including preliminary tests) that are conducted on this equipment for informational purposes shall be submitted to the District (addressed to South Coast Air Quality Management District, PO Box 4941, Diamond Bar, CA 91765) within 45 days after the testing date.

A testing laboratory certified by the California Air Resources Board in the required test methods for criteria pollutants to be measured, and in compliance with the District Rule 304 (no conflict of interest) shall conduct the test.

Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

The source test reports of VOC emissions shall consist of, but may not be limited to: VOC in ppmv and pounds per hour, VOC destruction and collection efficiencies, usage of all VOC-containing materials during the test, oxygen content, moisture content, flow rate, and temperature.



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The source test reports of NOx and CO emissions shall include, but not limited to: emission data expressed in terms of ppmv at stack condition and corrected to 3 percent oxygen (dry basis, for CO only), in lbs/hr, and in lbs/MM cubic feet, all exhaust flow rate expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM), all moisture concentration expressed in terms of percent corrected to 3 percent oxygen.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition: C57]

D29.2

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	Inlet

The test shall be conducted to certify the coating rooms satisfy the requirements for a Permanent Total Enclosure.

The test shall be conducted within 180 days after the installation of D60.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart TT, 10-4-1991]

[Devices subject to this condition: C57]

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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

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

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or



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2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

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

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

[Devices subject to this condition: D13]

E71.1

The operator shall not use this equipment if it is heated or air sparged.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition: D12, D23, D24]

E193.1

The operator shall construct this equipment according to the following requirements: This permit shall expire if the construction of this equipment is not completed by 12-16-2012 unless an extension of time has been approved in writing by a District representative.

The operator shall notify a District representative when construction has been completed.

[RULE 202, 5-7-1976; RULE 205, 1-5-1990]

[Devices subject to this condition: C57]

E193.2

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

The combustion chamber temperature shall be maintained at a minimum of 1,600 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in



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accordance with the manufacturer's specifications.

For the purpose of this condition, a deviation shall be defined as when the combustion chamber temperature of less than 1,600 degrees Fahrenheit occurs during the normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective actions to maintain the combustion chamber temperature at or above 1,600 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

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

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

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

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

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

[Devices subject to this condition: C57]

H23.1

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition: D59, D60]

H116.1

The operator shall maintain the equipment as Permanent Total Enclosure (PTEs) in order



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

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to comply with the requirement of EPA Method 204 whenever the equipment is in operation.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition: D14, D15, C57, D59, D60]

K67.5

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

All records of the stack flow data shall be maintained in a manner as described in the latest flow monitor's QA/QC plan that is approved by the District. The operator shall keep a copy of the latest approved QA/QC plan and a copy of the District approved letter for such plan on site.

The operator shall maintain all records that are necessary to demonstrate compliance with all applicable requirements specified in Rule 2012. All records required by this permit shall be kept in a format which is acceptable to the District, maintain on site for a minimum of five years and made them available to any District representative upon request.

[RULE 2012, 5-6-2005]

[Devices subject to this condition: C57]