South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

February 25, 2011

Mr. Gerardo Rios
Chief – Permits Office
U. S. EPA, Region IX
75 Hawthorne Street, Air 3
San Francisco, CA 94105

Subject: Los Angeles County Internal Service Department (ID 550) – Title V Permit Revision

Dear Mr. Rios:

The Los Angeles County Internal Service Department (LACISD) operates a cogeneration facility in downtown Los Angeles. It has proposed to revise its Title V permit under Application No. 508451 by the following actions.

Application #	Device #	Section #	Proposed Actions
508450	D8	D	Change of condition for the gas turbine
516179	C13	D	Modification of the SCR/CO catalyst

This proposed permit revision is considered as a "minor permit revision" to their Title V permit. Attached for your review are the permit evaluation and proposed Section D. With your receipt of the proposed Section D today, we will note that the EPA 45-day review period begins on February 25, 2011.

If you have any questions or need additional information regarding the proposed permit revision, please call Li Chen at (909) 396-2426.

Very truly yours,

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

cc: Robert Morrill, LACISD

BLY:AYL:JTY:LC
Attachments

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT *ENGINEERING DIVISION* APPLICATION PROCESSING AND CALCULATIONS	PAGES 15	PAGE 1
	APPL. NO. 508450	DATE 2/25/2011
	PROCESSED BY LI CHEN	CHECKED BY

PERMIT TO OPERATE

COMPANY NAME AND ADDRESS

Los Angeles Country Internal Service Department
301 North Broadway Street
Los Angeles, CA 90012
FACILITY ID # 550

CONTACT: Robert Morrill, 213.974-9503

EQUIPMENT LOCATION

Los Angeles Country Internal Service Department
301 North Broadway Street
Los Angeles, CA 90012

EQUIPMENT DESCRIPTION:

Section D of the facility permit and permit to operate.

Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions	Conditions
SYSTEM 2: COGENERATION					
GAS TURBINE, ~~FUEL OIL,~~ NATURAL GAS, GENERAL ELECTRIC, MODEL LM2500-33, WITH STEAM OR WATER INJECTION, 250.6 MMBTU/HR WITH: A/N: ~~429838,~~ 508450 STEAM TURBINE, STEAM, FUJI ELECTRIC	D8	C13	NOX: MAJOR SOURCE*	CO: 10 PPMV NATURAL GAS (4) [RULE 1303-BACT]; CO: 2000 PPMV (5) [RULE 407]; ~~NOX: 6.34 LBS/1000 GAL FUEL OIL (1) [RULE 2012];~~ NOX: 9 PPMV (4) [RULE 2005]; ~~NOX: 9 PPMV (5) [RULE 1134];~~ NOX: 29.2 LBS/MMSCF NATURAL GAS (1) [RULE 2012]; NOX: 100	A63.1, A99.1, A99.2, A99.3, A327.1, B75.1, C1.1, ~~C1.5~~, C8.1, ~~C8.2~~, D12.1, D12.2, D12.3, D12.4, D82.1, ~~D371.1~~, E71.1, K67.1

Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions	Conditions
SYSTEM 2: COGENERATION					
GENERATOR, 23104 KW BOILER, WASTE HEAT RECOVERY, NOOTER GENERATOR, 12400 KW				PPMV (8) [40CFR 60 Subpart GG, 3-6-1981]; PM: 0.01 GRAINS/SCF (5B) [RULE 475]; PM: 0.1 GRAINS/SCF (5) [RULE 409]; PM: 11 LBS/HR (5A) [RULE 475] SOX: 150 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG, 3-6-1981]; ~~SOX: 500 PMV FUEL OIL (5) [RULE 407]~~	
STORAGE TANK, UREA, ~~AMMONIA~~ ,DIA: 6'6", HEIGHT: 15'0", VOL: 3,700 GALLONS, WITH VAPORIZATION SYSTEM A/N: ~~429839,~~ 516179 UREA TO AMMONIA SYSTEM, FUELTECH ULTRA-14, 14 LBS/HR	D11				
SELECTIVE CATALYTIC REDUCTION, HALDOR TOPSOE, MODEL: DNX-939, WITH 458 FT^3 TOTAL CATALYST VOLUME. ~~HITACHI AMERICA WITH 586 CFT OF PLATE TYPE CATALYST, WIDTH: 10 FT 6 IN;HEIGHT: 9 FT 10 IN; LENGTH: 21 FT 4 IN~~ WITH: A/N: ~~429839,~~ 516179 INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C13	D8 C14		NH3: 20 PPMV (4) [RULE 1303-BACT];	E73.1, D29.2

Equipment	ID No.	Connected To	Source Type/ Monitoring Unit	Emissions	Conditions
SYSTEM 2: COGENERATION					
CO OXIDATION CATALYST, BASF, MODEL: CAMET, WITH 57 FT^3 TOTAL CATALYST VOLUME. ~~MET-PRO, WIDTH: 13 FT ; HEIGHT: 2 FT ; LENGTH: 22 FT~~ A/N: ~~429839,~~ 516179	C14	C13 S21			E193.1
STACK A/N: ~~429839,~~ 508450	S21	C14			

BACKGROUND

The Los Angeles County Internal Service Department (LACISD) operates a cogeneration system in its Central Heating Plant at downtown Los Angeles. The facility ID is 550. The cogeneration system consists of a gas turbine (device D8), a steam turbine with a 23 MW generator, and a waste heat recovery boiler with a 12 MW generator. The cogeneration system is equipped with a selective catalytic reduction (SCR) system (device D13) and a CO oxidation catalyst (device D14). There is an ammonia storage tank, device D11, serving the SCR system. The ammonia tank was permitted under the SCR application.

The cogeneration system was permitted originally to burn both natural gas and fuel oil. The facility has opted to run exclusively with natural gas, eliminating the option of running with fuel oil. In February 2010 the facility submitted the applications to remove the conditions that are associated with fuel oil. In November 2010 the facility submitted applications to modify the SCR/CO catalyst and the ammonia storage tank. The following is a summary of the applications.

Application	Equipment	Purpose	Fee
508449	SCR/CO catalyst	Change of conditions	$1,758.90
508450	Gas turbine	Change of conditions	$3,008.18
508451	Facility permit	Title V/RECLAIM minor revision	$1,687.63

516179	SCR/CO catalyst	Replacing catalyst with a difference make and model	$3,313.05
516180	Facility permit	Title V/RECLAIM minor revision	$1,723.07
Expedited permit processing fee for A/N516179			$1,656.53
Total Fee			$13,147.36

The first application, A/N508449, will be refunded since no evaluation has occurred yet. The change of condition requested by A/N508449 will be addressed in the subsequent application A/N516179. A/N516180 is not necessary since there is already an application A/N508451 for the facility permit modification. A/N516180 will be canceled and refunded.

The facility is a federal Title V facility. It participates in the NOx RECLAIM program.

DISCUSSION

Change of Conditions pertaining to gas turbine D8 – A/N508450

1. Equipment Description

The facility requests to remove the reference to fuel oil in the equipment description. The District agrees to the request. In addition the emission limits for fuel oil will also be removed.

2. Removal of Conditions C1.5, C8.2, and D371.1

The facility requests to remove the two conditions (C1.5 and C8.2) that related to fuel oil. The District agrees to the request. In addition condition D371.1 is exclusively applicable to firing with fuel oil. This condition will be removed.

3. Modification to Conditions K67.1, A99.1, A99.2, A99.3.

The facility requests to remove the specific reference to fuel oil in condition K67.1. The District agrees to the request.

The facility requests to modify conditions A99.1, A99.2, and A99.3. These conditions specify BACT emission limits, and exempt the startup process from those limits. The facility requests to add exemption to the shutdown process as well. The facility indicates that for its cogeneration system a shutdown process typically takes two hours. The District agrees that BACT limits generally do not apply to the startup and shutdown process of gas turbine generators. Considering

the system is a cogeneration system that includes the steam turbine the shutdown process will take a much longer time than a simple cycle generator. The District agrees to the request. However, since this facility is located within 1,000 feet of a K-12 school and the proposed relaxation of permit conditions increase emissions, the permit approval would require public notification. AQMD advised the applicant the requirement of the public participation. The applicant decided not to pursue the change of this condition in order not to delay the project. Thus, Condition A99.1, A99.2, and A99.3 will not be changed at this time.

Change of Conditions pertaining to the CO catalyst D14 – A/N508449

This application will be cancelled and the fee refunded. The requested change of conditions will be incorporated in the next application, A/N516179.

Change of Conditions/Modification to the SCR/CO catalyst D14 – A/N516179

1. Modification to Condition E193.1

The facility requests to modify the condition first to remove a specific reference to the fuel oil, and second to remove the reference of semiannual activity test. The District agrees to the first request. The semiannual catalyst activity test is to ensure compliance with the federal CAM rule. Since the facility has a CO CEMS, this is sufficient to comply with the CAM rule. Thus, the semiannual catalyst activity test requirement can be removed.

2. Modification to the SCR/CO catalyst

The proposed changes to the SCR/CO catalyst are summarized in the next table.

	SCR Catalyst	CO Catalyst
Make	Haldor Topsoe	BASF
Model	DNX-939	Camet
Catalyst Type	Titania (TiO2) with tungsten dioxide and vanadium	Stainless steel and alumina substrate with platinum group metals
Catalyst Volume	458 Cubic feet	57 Cubic feet

The proposed change to the SCR and CO catalyst will not affect compliance with the NOx and CO emission limits. There is no change to the criteria pollutant emissions from the gas turbine.

3. Modification to the ammonia storage tank and addition of an urea system

The facility also wants to revise the ammonia storage tank, D11, to an urea storage tank. A conversion process will be installed and used to convert the urea solution to ammonia. Since the D11 was originally permitted under the SCR application the proposed change will be made.

The urea conversion system utilizes Fuel Tech, Inc's ULTRA process to convert urea to ammonia on demand. The custom designed system for this application is called Ultra-14 as it generates up to 14 lbs per hour of ammonia from a 40% urea supply. The process first introduces urea reagent into a thermal decomposition chamber. Urea is taken from the urea storage tank to the thermal decomposition chamber. The mixture of urea and reagent is maintained at a given temperature and pressure at the thermal decomposition chamber until urea decomposes to NH3 and HNCO, ammonia and isocyanic acid. Isocyanic acid converts to ammonia and CO2 when reacting with water.

The urea system's control system functional specifications and the process diagram are included in the application folder.

A periodic source test condition D29.2 is added to ensure compliance.

EMISSIONS

The emissions from the gas turbine will be the same as the previous application A/N429838. There is no criteria pollutant emissions associated with SCR application. For the gas turbine, the 30-day averaged emissions and the hourly emissions are provided in the next table.

	CO	NOx	PM10	VOC	SOx
Emission rate (lbs/hr)	11.25	8.7	2.8	1.58	5.4
30-Day Avg. (lbs/day), pre-modification	274	212	68	38	131
30-Day Avg. (lbs/day), post-modification	274	212	68	38	131

COMPLIANCE HISTORY

A search of the District's compliance database shows that the facility has the following violations in the last five years.

1. Notice of violation P54954 was issued on October 1, 2009 for (1) Failure to continuously record the temp. at the inlet and outlet of the catalyst bed (C14), (2) Failure to conduct an activity test for the catalyst bed (C14) on a semi-annual basis, and (3) Failure to submit daily electronic emissions NOx report. The violation was closed on July 30, 2010.
2. Notice of violation P54270 was issued on March 31, 2009 for (1) failure to submit 2nd quarter 2007 QCER on time, (2) failure to submit accurate QCERS and APEP for 2007, (3) failure to submit electronic emissions for D8 for 3/9/07 and 5/21/07 on time, and (4) failure to conduct NOx source tests for D3, D4, D5, D6. The violation was closed on November 20, 2009.
3. Notice of violation P49349 was issued on May 22, 2008 for failure to report emissions for turbine (D8) for 9/20/06 on time. The facility came in compliance on May 23, 2008.
4. Notice to comply D21413 was issued on November 19, 2009 requesting the facility to demonstrate compliance with Rule 2012, Appx. A, CH 2(B) and the attached Compliance Advisory for all CEMS operated at this facility. The facility complied with the request on May 13, 2010.

The facility does not have an outstanding compliance issue.

EVALUATION

RULE 212 – Standards of Approving Permits and Issuing Public Notice

The facility is located within 1,000 feet of a K-12 school. Public participation is required if there are any emission increases. The proposed change of conditions and SCR/CO catalyst modification will not have emission increases. Public notice is not required.

RULE 401 – Visible Emissions

Visible emissions from the gas turbines are not expected since they will be firing exclusively with natural gas. Compliance with this rule is expected.

RULE 402 – Nuisance

Nuisance problems are not expected under normal operating conditions.

RULE 407 – Liquid and Gaseous Air Contaminants

This rule limits SO_2 emissions to 500 ppm for equipment not subject to the gaseous fuel sulfur emission concentration limits of 431.1. It limits CO emissions to 2,000 ppm. Continued compliance is expected.

RULE 409 – Combustion Contaminants
This rule limits combustion generated PM emissions to 0.1 gr/dscf at 12% CO_2. Continued compliance is expected since there is no change of operation.

RULE 431.1 – Sulfur Content of Gaseous Fuel
The gas turbine will continue to use pipeline quality natural gas. Compliance is expected.

RULE 475 –Electric Power Generating Equipment
This rule applies to power generating equipment greater than 10 MW installed after May 7, 1976. This rule limits combustion contaminants as PM to be either less than 11 lbs/hour, or less than 0.01 gr/dscf. The limits are on the equipment permit. Continue compliance is expected.

Regulation XIII – New Source Review for Non-RECLAIM Pollutants
There are no emission increases. This regulation is not triggered.

RULE 1401 – New Source Review for Toxic Air Contaminants
This rule is not triggered because there is no increase of toxic air contaminants emissions.

Regulation XVII – Prevention of Significant Deterioration (PSD)
The proposed change of conditions and the SCR/CO modification will not increase emissions of attainment pollutants. Therefore, this regulation is not triggered.

Regulation XX - RECLAIM
Continued compliance with this regulation is expected as the proposed change of conditions and SCR/CO catalyst replacement does not affect the NOx emissions.

Regulation XXX – Title V
The proposed change of conditions is considered a minor revision to the facility permit. The draft permit and the engineering evaluation will be submitted to EPA for a 45-day review.

RECOMMENDATION

It is recommended that the District approve the proposed change of conditions. The revised equipment conditions are listed below.

CONDITIONS

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

CONTAMINANT	EMISSIONS LIMIT
CO	274 LBS IN ANY 1 CALENDAR DAY
PM10	68 LBS IN ANY 1 CALENDAR DAY
VOC	38 LBS IN ANY 1 CALENDAR DAY
SOx	131 LBS IN ANY 1 CALENDAR DAY

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

[Device subject to this condition: D8]

A99.1 The 20 PPM NH3 emission limit(s) shall not apply when the turbine is starting up.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

A99.2 The 9 PPM NOX emission limit(s) shall not apply when the equipment is in start-up mode which shall not exceed 2 cumulative hours per day.

[RULE 2005-BACT]

[Devices subject to this condition : D8]

A99.3 The 10 PPM CO emission limit(s) shall not apply when the equipment is in start-up mode which shall not exceed 2 cumulative hours per day.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

A327.1 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

[Rule 475]

[Devices subject to this condition : D8]

C1.1 The operator shall limit the fuel usage to no more than 5,745,600 cubic feet per day. For the purpose of this condition, fuel shall be defined as natural gas.

[RULE 1303(b)(2)-OFFSET]

[Devices subject to this condition : D8]

~~C1.5 The operator shall limit the fuel usage to no more than 42,960 gallon(s) per day. For the purpose of this condition, fuel shall be defined as fuel oil.~~

~~[RULE 1303(b)(2)-OFFSET]~~

~~[Devices subject to this condition : D8]~~

C8.1 The operator shall use this equipment in such a manner that the water-to-fuel ratio being monitored, as indicated below, is not less than 0.5 to 1 ratio.

To comply with this condition, the operator shall monitor the water-to-fuel ratio as specified in condition number D12.4.

This condition shall only apply when the gas turbine generator output exceeds 7 MW.

This condition shall only apply when the gas turbine is fired on natural gas.

[RULE 1134, RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

~~C8.2 The operator shall use this equipment in such a manner that the water-to-fuel ratio being monitored, as indicated below, is not less than 0.8 to 1 ratio.~~

~~To comply with this condition, the operator shall monitor the water-to-fuel ratio as specified in condition number D12.4.~~

~~This condition shall only apply when the gas turbine generator output exceeds 7 MW.~~

~~This condition shall only apply when the gas turbine is fired on fuel oil.~~

~~[RULE 1303(a)(1)-BACT]~~

~~[Devices subject to this condition : D8]~~

D12.1 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the fuel usage applied to the turbine.

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

[RULE 1134, RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

D12.2 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the flow rate at the exhaust stack.

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

[RULE 1134, RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

D12.3 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia-to-emitted-NOx mole ratio of the gas turbine.

The system shall be accurate to within plus or minus 5 percent.

[RULE 1134, RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

D12.4 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the water-to-fuel ratio being supplied to the turbine.

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

The system shall be accurate to within plus or minus 5 percent.

[RULE 1134, RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

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

Oxygen concentration in percent volume

NOX concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS will convert the actual NOX and CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

CO concentration in ppmv

Stack temperature to SCR inlet.

[RULE 1134; RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D8]

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Avg. Time	Test Location
NH3 emissions	District Method 207.1 and 5.3 or EPA Method 17	1 hour	SCR Outlet

The test shall be conducted and the results submitted to the District within 90 days after the test date. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted at least quarterly during the first twelve months of operation and at least annually thereafter. The NOx concentration, as determined by the certified CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable or not yet certified, a test shall be conducted to determine the NOx emissions using District Method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration limit.

[Rule 1303 – BACT]

[Devices subject to this condition: C13]

~~D371.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment on an annual basis whenever this equipment is fired on fuel oil for training/testing purposes; and after every 400 cumulative hours of operation on diesel fuel or after every two million gallons of diesel fuel combusted, to be counted cumulatively over a five year period. The 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:~~

~~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 working days (or during the next fuel oil firing period if the unit ceases firing on fuel oil within the three working day time frame) and report any deviations to AQMD.~~

~~In addition, the operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:~~

~~a). Stack or emission point identification;~~
~~b). Description of any corrective actions taken to abate visible emissions;~~
~~c). Date and time visible emission was abated; and~~
~~d). Visible emission observation record by a certified smoke reader.~~

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

~~[Devices subject to this condition : D8]~~

E71.1 The operator shall not allow a subsequent startup of this equipment to exceed 2 cumulative hours per day. During this period emissions of nitrogen oxides (as NO2) and emissions of carbon monoxide shall not exceed a total of 15 pounds and 17 pounds respectively.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition : D8]

E73.1 Notwithstanding the requirements of section E conditions, the operator shall not use ammonia injection if any of the following requirement(s) are met:

Exhaust temperature is below 650 Deg. F.

[RULE 1303(a)(1)-BACT]

[Devices subject to this condition : C13]

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

The catalyst bed inlet temperature shall be maintained at a minimum of 650 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 temperatures at the inlet and outlet of the catalyst bed pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7.

~~The operator shall limit the fuel usage to no more than 42,960 gallons per day. For the purposes of this condition fuel shall be defined as fuel oil.~~

Such a temperature measuring and recording system shall have an accuracy of within plus or minus 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when the combustion chamber temperature of less than 650 degrees Fahrenheit occurs during the normal operation of the equipment it serves. The operator shall review the records of the catalyst bed inlet 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 650 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 on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring 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, 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, 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 conduct activity test for the catalyst bed on a semi-annual basis. In addition, 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; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Device subject to this condition: D14]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Daily consumption rate of natural gas.

~~When fuel oil is used, the quantity of fuel oil, the number of days fuel oil was used, and the reason why fuel oil was used instead of natural gas.~~

All the parameters and exhaust concentrations required to be monitored by continuous monitoring system.

~~A specification sheet or fuel oil analysis report for each load of fuel oil received, showing the weight percent of sulfur and the API gravity.~~

[RULE 1303(b)(2)-OFFSET]

[Devices subject to this condition : D8]

FACILITY PERMIT TO OPERATE

LA CO., INTERNAL SERVICE DEPT
301 N BROADWAY
LOS ANGELES, CA 90012

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
LA CO., INTERNAL SERVICE DEPT

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: BOILERS					
BOILER, NO. 1, NATURAL GAS, SPRINGFIELD, MODEL WATERTUBE TYPE C, SERIAL NO. 56270A, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 39 MMBTU/HR WITH A/N: 405470 BURNER, TODD COMBUSTION, MODEL RMB, 39 MMBTU/HR	D3		NOX: LARGE SOURCE**	**CO**: 100 PPMV NATURAL GAS (5) **[RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 2000 PPMV (5A) **[RULE 407, 4-2-1982]**; **NOX**: 9 PPMV (3) **[RULE 2012, 5-6-2005]**; **NOX**: 9 PPMV (4) **[RULE 2005, 5-6-2005]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **SOX**: 500 PPMV (5) **[RULE 407, 4-2-1982]**	C1.3, D12.5, E113.1, H23.1, K67.2
BOILER, NO. 2, NATURAL GAS, SPRINGFIELD, MODEL WATERTUBE TYPE C, SERIAL NO. 56270B, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 39 MMBTU/HR WITH A/N: 405471 BURNER, TODD COMBUSTION, MODEL RMB, 39 MMBTU/HR	D4		NOX: LARGE SOURCE**	**CO**: 100 PPMV NATURAL GAS (5) **[RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 2000 PPMV (5A) **[RULE 407, 4-2-1982]**; **NOX**: 9 PPMV (3) **[RULE 2012, 5-6-2005]**; **NOX**: 9 PPMV (4) **[RULE 2005, 5-6-2005]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **SOX**: 500 PPMV (5) **[RULE 407, 4-2-1982]**	C1.3, D12.5, E113.1, H23.1, K67.2

* (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
LA CO., INTERNAL SERVICE DEPT

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: BOILERS					
BOILER, NO. 3, NATURAL GAS, SPRINGFIELD, MODEL WATERTUBE TYPE C, SERIAL NO. 56270C, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 39 MMBTU/HR WITH A/N: 405472 BURNER, TODD COMBUSTION, MODEL RMB, 39 MMBTU/HR	D5		NOX: LARGE SOURCE**	**CO**: 100 PPMV NATURAL GAS (5) **[RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 2000 PPMV (5A) **[RULE 407, 4-2-1982]**; **NOX**: 9 PPMV (3) **[RULE 2012, 5-6-2005]**; **NOX**: 9 PPMV (4) **[RULE 2005, 5-6-2005]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **SOX**: 500 PPMV (5) **[RULE 407, 4-2-1982]**	C1.3, D12.5, E113.1, H23.1, K67.2
BOILER, NO. 4, NATURAL GAS, SPRINGFIELD, MODEL WATERTUBE TYPE C, SERIAL NO. 56270D, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 39 MMBTU/HR WITH A/N: 405473 BURNER, TODD COMBUSTION, MODEL RMB, 39 MMBTU/HR	D6		NOX: LARGE SOURCE**	**CO**: 100 PPMV NATURAL GAS (5) **[RULE 1303(a)(1) -BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]; **CO**: 2000 PPMV (5A) **[RULE 407, 4-2-1982]**; **NOX**: 9 PPMV (3) **[RULE 2012, 5-6-2005]**; **NOX**: 9 PPMV (4) **[RULE 2005, 5-6-2005]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **SOX**: 500 PPMV (5) **[RULE 407, 4-2-1982]**	C1.3, D12.5, E113.1, H23.1, K67.2
Process 3: INTERNAL COMBUSTION					
System 2: COGENERATION					

* (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
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
GAS TURBINE, FUEL OIL, NATURAL GAS, GENERAL ELECTRIC, MODEL LM2500-33, WITH STEAM OR WATER INJECTION, 250.6 MMBTU/HR WITH: A/N: STEAM TURBINE, STEAM, FUJI ELECTRIC GENERATOR, 23104 KW BOILER, WASTE HEAT RECOVERY, NOOTER GENERATOR, 12400 KW	D8	C13	NOX: MAJOR SOURCE**	**CO**: 10 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1) -BACT, 12-6-2002*]; **CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **NOX**: 9 PPMV (4) **[RULE 2005, 5-6-2005]**; **NOX**: 29.2 LBS/MMSCF NATURAL GAS (1) **[RULE 2012, 5-6-2005]**; **NOX**: 100 PPMV (8) **[40CFR 60 Subpart GG, 3-6-1981]**; **PM**: 0.01 GRAINS/SCF (5B) **[RULE 475, 10-8-1976;** *RULE 475, 8-7-1978*]; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **PM**: 11 LBS/HR (5A) **[RULE 475, 10-8-1976;** *RULE 475, 8-7-1978*]; **SOX**: 150 PPMV NATURAL GAS (8) **[40CFR 60 Subpart GG, 3-6-1981]**; **SOX**: 500 PPMV FUEL OIL (5) **[RULE 407, 4-2-1982]**	A63.1, A99.1, A99.2, A99.3, A327.1, B75.1, C1.1, C8.1, D12.1; D12.2, D12.3, D12.4, D82.1, E71.1, K67.1

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

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

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: INTERNAL COMBUSTION					
STORAGE TANK, WITH VAPORIZATION SYSTEM, UREA TO AMMONIA SYSTEM, FUELTECH ULTRA-14, 14 LB/HR A/N:	D11				
SELECTIVE CATALYTIC REDUCTION, HALDOR TOPSOE, MODEL: DNX-939, 458 CU.FT. WITH A/N: INJECTOR, AMMONIA, WITH AMMONIA INJECTION	C13	D8 C14		**NH3**: 20 PPMV (4) **[RULE 1303(a)(1)-BACT, 5-10-1996;** *RULE 1303(a)(1)-BACT, 12-6-2002*]	D29.2, E73.1
CO OXIDATION CATALYST, MODEL: CAMET, BASF, WITH 57 CUBIC FEET TOTAL CATALYST VOLUME A/N:	C14	C13 S21			E193.1
STACK A/N:	S21	C14			
Process 4: R-219 Equipment Subject to Source Specific Rules					
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,	E18				H23.2
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E19			**VOC**: (9) **[RULE 1113, 11-8-1996;** *RULE 1113, 5-14-1999;* RULE 1171, 6-13-1997; *RULE 1171, 10-8-1999*]	K67.4
RULE 219 EXEMPT EQUIPMENT, HALON UNIT	E20				H23.3

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

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

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SECTION D: DEVICE ID INDEX

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

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SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	**Section D Page No.**	**Process**	**System**
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D8	3	3	2
D11	4	3	2
C13	4	3	2
C14	4	3	2
E18	4	4	0
E19	4	4	0
E20	4	4	0
S21	4	3	2

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

DEVICE CONDITIONS

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 38 LBS IN ANY ONE DAY
SOX	Less than or equal to 131 LBS IN ANY ONE DAY
PM	Less than or equal to 68 LBS IN ANY ONE DAY
CO	Less than or equal to 274 LBS IN ANY ONE DAY

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

[Devices subject to this condition : D8]

A99.1 The 20 PPM NH3 emission limit(s) shall not apply when the turbine is starting up.

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

[Devices subject to this condition : D8]

A99.2 The 9 PPM NOX emission limit(s) shall not apply when the equipment is in start-up mode which shall not exceed 2 cummulative hours per day..

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 429, 12-21-1990]

[Devices subject to this condition : D8]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

A99.3 The 10 PPM CO emission limit(s) shall not apply when the equipment is in start-up mode which shall not exceed 2 cummulative hours per day..

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

[Devices subject to this condition : D8]

A327.1 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

[RULE 475, 10-8-1976; RULE 475, 8-7-1978]

[Devices subject to this condition : D8]

B. Material/Fuel Type Limits

B75.1 The operator shall not use fuel oil in this equipment except under the following circumstance(s):

During natural gas curtailment for a period not to exceed 10 hours in any one day.

For testing purposes for periods not to exceed 10 hours in any one day and 200 hours in any calendar year.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]**

[Devices subject to this condition : D8]

C. Throughput or Operating Parameter Limits

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.1 The operator shall limit the fuel usage to no more than 5,745,600 cubic feet per day.

For the purpose of this condition, fuel shall be defined as natural gas.

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

[Devices subject to this condition : D8]

C1.3 The operator shall limit the fuel usage to no more than 90000 therms in any one month.

Record of fuel usage in therms per month shall be kept and maintained on file for a minimum of five years and made available to District personnel upon request.

[RULE 2012(d)(1)(A)(ii)-Large NOx Source, 12-7-1995; RULE 2012(d)(1)(A)(ii)-Large NOx Source, 4-11-1997]

[Devices subject to this condition : D3, D4, D5, D6]

C8.1 The operator shall use this equipment in such a manner that the water-to-fuel ratio being monitored, as indicated below, is not less than 0.5 to 1 ratio.

To comply with this condition, the operator shall monitor the water-to-fuel ratio as specified in condition number D12.4.

This condition shall only apply when gas turbine generator output exceeds 7 MW.

This condition shall only apply when gas turbine is fired on natural gas.

[RULE 1134, 12-7-1995; RULE 1134, 8-8-1997; RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D8]

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the fuel usage applied to the turbine.

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

[RULE 1134, 12-7-1995; RULE 1134, 8-8-1997; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D8]

D12.2 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the flow rate at the exhaust stack.

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

[RULE 1134, 12-7-1995; RULE 1134, 8-8-1997; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D8]

D12.3 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia-to-emitted-NOx mole ratio of the gas turbine.

The system shall be accurate to within plus or minus 5 percent.

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

[Devices subject to this condition : D8]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.4 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the water-to-fuel ratio being supplied to the turbine.

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

The monitoring system shall be accurate to within plus or minus 5 percent.

[RULE 1134, 12-7-1995; RULE 1134, 8-8-1997; RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D8]

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

The fuel usage shall be measured in standard cubic feet.

[RULE 1146, 5-13-1994]

[Devices subject to this condition : D3, D4, D5, D6]

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
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C13]

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

Oxygen concentration in percent volume

NOX concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

The CEMS will convert the actual NOX and CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

CO concentration in ppmv

Stack temperature to SCR inlet.

[RULE 1134, 12-7-1995; RULE 1134, 8-8-1997; RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D8]

E. Equipment Operation/Construction Requirements

E71.1 The operator shall not allow a subsequent startup of this equipment to exceed 2 cumulative hours per day. During this period emissions of nitrogen oxides (as NO2) and emissions of carbon monoxide shall not exceed a total of 15 pounds and 17 pounds respectively.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 429, 12-21-1990]

[Devices subject to this condition : D8]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E73.1 Notwithstanding the requirements of Section E conditions, the operator shall not use ammonia injection if any of the following requirement(s) are met:

Exhaust temperature is below 650 Deg. F.

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

[Devices subject to this condition : C13]

E113.1 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least twice a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

[Devices subject to this condition : D3, D4, D5, D6]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The catalyst bed inlet temperature shall be maintained at a minimum of 650 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 temperatures at the inlet and outlet of the catalyst bed pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7.

Such a temperature measuring and recording system shall have an accuracy of within plus or minus 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when the combustion chamber temperature of less than 650 degrees Fahrenheit occurs during the normal operation of the equipment it serves. The operator shall review the records of the catalyst bed inlet 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 650 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 on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring 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, 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

FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

semi-annual reporting period specified in Condition No. 23, 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 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 : C14]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
CO	District Rule	1146

[RULE 1146, 5-13-1994]

[Devices subject to this condition : D3, D4, D5, D6]

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

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : E18]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Halon	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E20]

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):

Daily consumption rate of natural gas.

All the parameters and exhaust concentrations required to be monitored by continuous monitoring system.

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

[Devices subject to this condition : D8]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Meter readings and monthly fuel usage

The total monthly heat input in btus or therms based on the fuel usage

The total heat input for each calendar year based on the monthly heat input determined

[RULE 1146, 5-13-1994]

[Devices subject to this condition : D3, D4, D5, D6]

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

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : E19]