

AIR QUALITY

MANAGEMENT DISTRICT

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066**ISSUED BY:** Bruce Nixon
Bruce Nixon, P.E.**DATE ISSUED:** August 11, 2009**DATE EXPIRES:** August 11, 2011**ISSUED TO:** Central Valley Financing Authority - Carson Cogeneration Project**LOCATION:** 8580 Laguna Station Road
Elk Grove**DESCRIPTION:** A/C 22021 [previous P/O 12829(rev3)]
Modify the existing LM6000PA combined cycle gas turbine to a newer model LM6000PC Sprint/EFS combined cycle gas turbine.

- A. Increase maximum fuel input to 500 MMBTU/hour.
- B. Reduce the NOx concentration emission limit from the modified combined cycle gas turbine from 5 ppmvd at 15% O2 to 2.5 ppmvd at 15% O2.
- C. Increase SO2 mass emission limits to account for increased fuel throughput.

A/C 22022

Install an oxidation catalyst to control the post-project CO mass emission level from the combined cycle gas turbine and duct burner to the pre-project CO mass emission limit level.

A/C 22066 [previous P/O 11014]

Modify the existing duct burner NOx emission concentration limit by reducing it from 5 ppmvd at 15% O2 to 2.5 ppmvd at 15% O2.

Authority to Construct Conditions**STARTUP REQUIREMENTS**

- S1. Upon installation of the equipment authorized in this Authority to Construct, the owner/operator shall contact the Sacramento Metropolitan Air Quality Management District (SMAQMD) at (916) 874-4800 to schedule a startup inspection.

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

S2. This Authority to Construct shall serve as a temporary Permit to Operate provided that:

- A. The SMAQMD has been notified for a startup inspection.
- B. The equipment installed matches the equipment authorized in the Authority to Construct.
- C. The equipment is operated in compliance with all conditions listed within the Authority to Construct.

COMMISSIONING PERIOD

CM1. The commissioning period is defined as follows:

- A. The commissioning period shall commence when all mechanical, electrical and control systems associated with the LM6000PC Sprint/EFS combined cycle gas turbine upgrade are installed and the combined cycle gas turbine is first fired.
- B. The commissioning period shall terminate 30 operating days after commencement, or when the CVFA Carson facility has successfully completed performance testing, tuning and shakedown operations and compliance is demonstrated by continuous emissions monitoring equipment, whichever occurs first.
- C. For purposes of this condition, "operating day" is defined as any calendar day during which fuel is combusted in the combined cycle gas turbine or duct burner."

CM2. The permittee shall provide to the SMAQMD Air Pollution Control Officer written notification or electronic notification of the date that:

- A. Construction commenced, postmarked no later than 30 days after such date.
- B. The commissioning period commenced, postmarked no later than 3 weekdays (Monday through Friday) after such date.
- C. The commissioning period terminated, postmarked no later than 3 weekdays (Monday through Friday) after such date.

CM3. During the commissioning period, at the earliest feasible opportunity, in accordance with recommendations of the equipment manufacturers and the construction contractor, the combined cycle gas turbine combustors shall be tuned to minimize emissions.

CM4. During the commissioning period, compliance with NO_x and CO emission limits for the combined cycle gas turbine and duct burner shall be demonstrated through the use of properly operated and maintained continuous emission monitoring systems and continuous parameter monitoring systems for the following:

- A. Firing hours of the combined cycle gas turbine and duct burner
- B. Fuel flow rates to the combined cycle gas turbine and duct burner

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

- C. Stack gas NOx emission concentrations
 - D. Stack gas CO emission concentrations
 - E. Stack gas O2 concentrations
- CM5. During the commissioning period the monitored parameters shall be recorded at least once every 15 minutes (excluding normal calibration periods or when the monitored source is not in operation) for the gas turbine and duct burner. Previously approved methods shall be used to calculate heat input rates, NOx and CO mass emission rates, and NOx and CO emission concentrations, summarized for each clock hour and each calendar day. All summarized clock hour and calendar day records shall be retained on site for at least 5 years from the date of entry and made available to SMAQMD personnel upon request.
- CM6. During the commissioning period the continuous emission and parameter monitors shall be installed, calibrated and operational prior to firing of the combined cycle gas turbine and duct burner with the LM6000PC Sprint/EFS upgrade. After initial firing of the combined cycle gas turbine and duct burner, the detection range of these continuous emission monitors shall be adjusted as necessary to accurately measure the resulting range of NOx and CO emission concentrations.
- CM7. During the commissioning period the total mass emissions of ROC, NOx, SO2, PM10 and CO that are emitted by the combined cycle gas turbine and duct burner shall accrue towards the daily, quarterly and yearly mass emission limits in Condition Nos. 7, 8, 9,10 and 11.
- CM8. During the commissioning period the concentration of nitrogen oxides (NOx) emissions from the gas turbine and duct burner shall not exceed the following limit:

Pollutant	Maximum Allowable NOx Concentration Combined Cycle Gas Turbine and Duct Burner ppmvd at 15% O2, averaged over any consecutive 3 hour period	
	Current Permit Limit	Permit Limit Applicable During the Commissioning Period
NOx	2.5	No limit

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

CM9. During the commissioning period hourly mass emissions from the combined cycle gas turbine and duct burner shall not exceed the following limits:

Pollutant	Maximum Allowable Hourly Emissions Combined Cycle Gas Turbine and Duct Burner lb/hour, averaged over any consecutive 3 hour period	
	Current Permit Limits	Permit Limits Applicable During the Commissioning Period
ROC	3.75	3.75 (no change)
NOx	5.62	21.4
SO2	2.81	2.81 (no change)
PM10	3.50	3.50 (no change)
CO	40.00	40.00 (no change)

CM10. The permittee shall perform an ROC, NOx, SO2, PM10, CO and ammonia (NH3) source test of the combined cycle gas turbine and duct burner within 60 days of termination of the commissioning period.

- A. Submit a Source Test Plan to the SMAQMD Air Pollution Control Officer for approval at least 30 days before the source test is to be performed. The Source Test Plan shall indicate that U.S. EPA approved test methods are used for NOx and CO.
- B. Notify the SMAQMD Air Pollution Control Officer at least 7 days prior to the source testing date if the date has changed from that approved in the Source Test Plan.
- C. During the source test, the combined cycle gas turbine and duct burner shall be operated at the maximum firing capacity, defined as $\geq 90\%$ of the heat input capacity achievable at the time of the source test, based on then current ambient conditions and with the maximum possible percentage of digester gas with regards to Condition Nos. 14 and 15.
- D. Submit the Source Test Report to the SMAQMD Air Pollution Control Officer within 60 days after the completion of the source test.

GENERAL REQUIREMENTS

1. The equipment shall be properly maintained.
2. The SMAQMD Air Pollution Control Officer and/or authorized representatives, upon the presentation of credentials, shall be permitted:
 - A. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this Authority to Construct, and

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

- B. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Authority to Construct, and
 - C. To inspect any equipment, operation or method required in this Authority to Construct, and
 - D. To sample emissions from the source or require samples to be taken.
3. This Authority to Construct does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the California Health and Safety Code or the Rules and Regulations of the SMAQMD.
 4. A legible copy of this Authority to Construct shall be maintained on the premises with the equipment.

EMISSION LIMITS REQUIREMENTS

5. The combined cycle gas turbine and duct burner shall not discharge into the atmosphere any visible air contaminants other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour, which are as dark or darker than Ringelmann No. 1 or equivalent to or greater than 20% opacity.
6. Except as specified in Condition Nos. CM8 and CM9, combined emissions from the combined cycle gas turbine and duct burner shall not exceed the following limits.

Pollutant	Maximum Allowable Emissions (A) Combined Cycle Gas Turbine and Duct Burner Combined	
	ppmvd at 15% O2 3 hour average	lb/hour 3 hour average
ROC	NA	3.75
NOx	2.5 (B)	5.62
SO2	NA	2.81
PM10	NA	3.50
CO	NA	40.00
Ammonia (NH3)	20	NA

(A) Excluding startups as defined in Condition No. 18.

(B) The 2.5 ppmvd NOx limit also applies individually to the combined cycle gas turbine and to the duct burner.

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

7. Combined emissions from the combined cycle gas turbine and duct burner shall not exceed the following limits.

Pollutant	Maximum Allowable Quarterly Emissions (A) Combined Cycle Gas Turbine and Duct Burner Combined			
	Quarter 1 lb/quarter	Quarter 2 lb/quarter	Quarter 3 lb/quarter	Quarter 4 lb/quarter
NOx	10,705	10,822	10,940	10,940

(A) The purpose of requiring quarterly NOx mass emission limits is to facilitate the calculation of NOx emission reduction credits from the combined cycle gas turbine and duct burner modification.

8. Emissions from the following equipment shall not exceed the following limits.

Pollutant	Maximum Allowable Emissions lb/day			
	Peaking Gas Turbine	Combined Cycle Gas Turbine and Duct Burner	Cooling Tower	Total
ROC	59.1	90.2	-	149.3
NOx	175.8	134.8	-	310.6
SO2	34.2	67.4	-	101.6
PM10	60.0	84.0	3.1	147.1
CO	142.3	547.0	-	547.0 (A)

(A) The total daily CO emissions limit of 547.0 lb/day applies to all equipment at the CVFA Carson facility, including CO emissions from the emergency use internal combustion engine [SMAQMD P/O 11020(rev1)].

- i. Daily CO emissions shall be calculated as follows:
 - a. For the combined cycle gas turbine, duct burner and the peaking gas turbine, CO emission rates shall be determined based on the CEMS data.
 - b. For the emergency use internal combustion engine, CO emission rates shall be calculated and recorded for any engine operating day based on actual engine operating time, in hours, multiplied by the emergency use internal combustion engine's CO emission rate of 9.75 lb/hr.

9. Emissions from the following combined equipment shall not exceed the following limits:

- A. All equipment at the CVFA Carson facility, excluding the emergency use internal combustion engine, and
- B. Digester gas fueled boilers at the Sacramento Regional Wastewater Treatment Plant (SMAQMD P/O Nos. 19868, 19869 and 19870), and

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

- C. Digester gas fueled flares at the Sacramento Regional Wastewater Treatment Plant (old flares - SMAQMD P/O No. 12526, new flares - SMAQMD P/O No. 16048).

Pollutant	Maximum Allowable Emissions				
	Quarter 1 lb/quarter	Quarter 2 lb/quarter	Quarter 3 lb/quarter	Quarter 4 lb/quarter	Annual lb/year
NOx	19,289	19,483	19,678	19,678	78,128
PM10	9,349	9,447	9,545	9,545	37,887

10. Emissions from all equipment at the CVFA Carson facility, excluding the emergency use internal combustion engine, shall not exceed the following limits.

Pollutant	Maximum Allowable Emissions				
	Quarter 1 lb/quarter	Quarter 2 lb/quarter	Quarter 3 lb/quarter	Quarter 4 lb/quarter	Annual lb/year
ROC	8,984	9,078	9,172	9,172	36,406
SO2	5,722	5,785	5,849	5,849	23,205
CO	48,822	49,364	49,907	49,907	198,000

11. Emissions from all equipment at the CVFA Carson facility, including the emergency use internal combustion engine, shall be less than the following limits.

Pollutant	Maximum Allowable Annual Emissions lb/year
ROC	36,582
NOx	80,151
SO2	23,261
PM10	38,003
CO	200,000 (A)

(A) For CO emissions, annual shall be any consecutive 12-month period.

12. The emission factors below shall be used for calculating the NOx and PM10 emissions from the following equipment that are added to the emissions of the equipment at the CVFA Carson facility to ensure compliance with the quarterly and yearly emission limits pursuant to Condition No. 9:

- A. Digester gas fueled boilers at the Sacramento Regional Wastewater Treatment Plant (SMAQMD P/O Nos. 19868, 19869 and 19870), and

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

- B. Digester gas fueled flares at the Sacramento Regional Wastewater Treatment Plant (old flares SMAQMD P/O No. 12526, new flares - SMAQMD P/O No. 16048).

Pollutant	Emission Factor lb/MMBTU		
	Boilers	Old Flares	New Flares
NOx	0.0364	0.08	0.06
PM10	0.0137	0.0137	0.0137

EQUIPMENT OPERATION REQUIREMENTS

13. The digester gas combusted by the combined cycle gas turbine and duct burner shall not have an H₂S content that exceeds 50 ppmvd H₂S averaged over any consecutive three-hour period.
14. The combined cycle gas turbine shall not combust more than 500 MMBTU/hour HHV total natural gas and digester gas and 90 MMBTU/hour HHV of digester gas.
15. The duct burner shall not combust more than 99.9 MMBTU/hour HHV total natural gas and digester gas.
16. The duct burner shall not be operated unless the combined cycle turbine is operating.
17. The combined cycle gas turbine and the duct burner shall not be operated without a fully functioning selective catalytic reduction NO_x air pollution control system (SMAQMD P/O No. 11015) and oxidation catalyst CO air pollution control system (SMAQMD A/C No. 22022), excluding periods of startups and shutdowns.
18. The duration of the combined cycle gas turbine startup period shall not exceed 60 minutes.
 - A. Startup period is defined as the time when fuel is first introduced to the combined cycle gas turbine to the time when the emissions of NO_x are controlled to 2.5 ppmvd at 15% O₂ or less.

MONITORING REQUIREMENTS

19. The permittee shall operate a continuous emission monitoring system (CEMS), that has been approved by the SMAQMD Air Pollution Control Officer, for the combined gas turbine and duct burner emissions.
 - A. The CEMS shall monitor and record nitrogen oxides, carbon monoxide and oxygen.
 - B. For NO_x and O₂, the CEMS shall comply with U.S. EPA Performance Specifications in 40 CFR 75 Appendix A.

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

C. For CO, the CEMS shall comply with U.S. EPA Performance Specifications in 40 CFR 60 Appendix B Performance Specification 4.

20. The permittee shall operate a continuous parameter monitoring system that has been approved by the SMAQMD Air Pollution Control Officer that either, measures or calculates, and records the following.

Parameter to be Monitored	Units
A. Total fuel consumption of the combined cycle gas turbine.	MMBTU/hour of total natural gas and digester gas
B. Digester gas fuel consumption of the combined cycle gas turbine.	MMBTU/hour of digester gas
C. Total fuel consumption of the duct burner.	MMBTU/hour of total natural gas and digester gas
D. Digester gas fuel consumption of the duct burner (HRSG).	MMBTU/hour of digester gas
E. Fuel consumption of the boilers, new flares and old flares at the SRWTP. (A)	MMBTU/hour
F. H ₂ S concentration of all digester gas combusted at the permittee's facility.	ppmvd

(A) Due to the standby nature of the old flares and limitations of the continuous emissions monitoring system, in the event that the old flares are utilized, their fuel consumption will be recorded manually and the resultant emissions will be added to the facility emissions

RECORDKEEPING REQUIREMENTS

21. The following records shall be continuously maintained on site for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Monthly, quarterly and yearly records shall be made available for inspection within 30 days of the end of the respective reporting period.

Frequency	Information to be recorded
Upon occurrence	<p>A. Date and duration of any startup or shutdown.</p> <p>B. Malfunction in operation of the combined cycle gas turbine.</p> <p>C. Measurements from the continuous monitoring system.</p> <p>D. Monitoring device and performance testing records including date, location, time of sampling, date analyses were performed by lab,</p>

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

Frequency	Information to be recorded
	<p>company or entity that performed the test and analyses, analytical techniques or methods used, the results of such analyses and the operating conditions existing at the time of sampling.</p> <p>E. All continuous monitoring system performance evaluations.</p> <p>F. All continuous monitoring system or monitoring device calibration checks.</p> <p>G. Adjustments and maintenance performed on these systems or devices.</p>
Hourly	<p>H. Digester gas H₂S concentration (ppmvd).</p> <p>I. Combined cycle gas turbine total natural gas and digester gas fuel consumption (MMBTU/hour).</p> <p>J. Combined cycle gas turbine digester gas fuel consumption (MMBTU/hour).</p> <p>K. Duct burner total natural gas and digester gas fuel consumption (MMBTU/hour).</p> <p>L. Duct burner digester gas fuel consumption (MMBTU/hour).</p> <p>M. Indicate when the combined cycle gas turbine startups occurred.</p> <p>N. Combined cycle gas turbine and duct burner ROC, NO_x, SO₂, PM₁₀ and CO hourly mass emissions.</p> <p>O. Combined cycle gas turbine and duct burner NO_x concentration measured in ppmvd at 15% O₂.</p>
Daily	<p>P. Combined cycle gas turbine and duct burner ROC, NO_x, SO₂, PM₁₀ and CO daily mass emissions.</p> <p>Q. Total facility ROC, NO_x, SO₂, PM₁₀ and CO daily mass emissions, excluding the emergency use internal combustion engine (SMAQMD P/O 11020).</p> <p>i. For CO, the daily mass emissions shall include the emergency use internal combustion engine (SMAQMD P/O 11020).</p>
Monthly	<p>R. Total facility CO annual mass emissions, including the emergency use internal combustion engine (SMAQMD P/O 11020).</p> <p>i. The CO annual mass emissions shall be calculated based on the previous 12 consecutive months.</p>

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

Frequency	Information to be recorded
Quarterly	<p>S. Combined cycle gas turbine and duct burner combined quarterly NOx mass emissions.</p> <p>T. Total facility ROC, NOx, SO2, PM10 and CO quarterly mass emissions, excluding the emergency use internal combustion engine (SMAQMD P/O 11020).</p> <p style="padding-left: 40px;">i. For NOx and PM10, the quarterly mass emissions shall include the emissions from the boilers and flares at the SRWTP.</p>
Yearly	<p>U. Total facility ROC, NOx, SO2 and PM10 annual mass emissions, including the emergency use internal combustion engine (SMAQMD P/O 11020).</p>

REPORTING REQUIREMENTS

22. For each calendar quarter submit to the SMAQMD Air Pollution Control Officer a written report which contains the following information. Each quarterly report is due by the 30th day following the end of the calendar quarter.

Frequency	Information to be Reported
Quarterly by: January 30 April 30 July 30 October 30	<p>A. Whenever the continuous emissions monitoring system is inoperative except for zero and span checks:</p> <p style="padding-left: 40px;">i. Date and time of non operation of the continuous emission monitoring system</p> <p style="padding-left: 40px;">ii. Nature of the continuous emission monitoring system repairs or adjustments.</p> <p>B. Whenever an emission occurs as measured by the required continuous emission monitoring system that is in excess of any emission limitation:</p> <p style="padding-left: 40px;">i. Magnitude of the emission which has been determined to be in excess.</p> <p style="padding-left: 40px;">ii. Date and time of the commencement and completion of each period of excess emissions.</p> <p style="padding-left: 40px;">iii. Periods of excess emissions due to startup, shutdown and malfunction shall be specifically identified.</p> <p style="padding-left: 40px;">iv. The nature and cause of any malfunction (if known).</p> <p style="padding-left: 40px;">v. The corrective action taken or preventive measures adopted.</p>

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

Frequency	Information to be Reported
	<p>C. If there were no excess emissions for a calendar quarter:</p> <p style="padding-left: 40px;">i. A report shall be submitted indicating that there were no excess emissions.</p> <p>D. Evidence that the designated representative for the Acid Rain Program electronically reported to the U.S. EPA Administrator, within 30 days following the end of the calendar quarter, the data and information required by 40 CFR 75.64 for the previous calendar quarter.</p>

EMISSION TESTING REQUIREMENTS

23. An ROC, NO_x, SO₂, CO and ammonia (NH₃) source test and CEM accuracy (RATA) test of the combined cycle gas turbine and duct burner shall be performed once every calendar year. A PM₁₀ source test of the combined cycle gas turbine and duct burner shall be performed in calendar year 2001 and every fifth calendar year thereafter.
- A. Submit a Source Test Plan to the SMAQMD Air Pollution Control Officer for approval at least 30 days before the source test is to be performed.
 - B. Notify the SMAQMD Air Pollution Control Officer, at least 7 days prior to the emission testing date, if the date has changed from that approved in the Source Test Plan.
 - C. During the source test, the combined cycle gas turbine and duct burner shall be operated at the maximum firing capacity, defined as $\geq 90\%$ of the heat input capacity achievable at the time of the source test, based on then current ambient conditions and with the maximum possible percentage of digester gas with regards to Condition Nos. 14 and 15.
 - D. During the source test, the combined cycle gas turbine shall also be operated at 50% of maximum total firing capacity for ROC and CO testing.
 - E. Submit the Source Test Results Report to the SMAQMD Air Pollution Control Officer within 60 days from the completion of the source test.

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

EMISSION REDUCTION CREDITS (ERCs) REQUIREMENTS

24. The permittee shall surrender (and has surrendered - See Condition Nos. 25 and 26) ERCs to the SMAQMD Air Pollution Control Officer to offset the following amount of emissions:

Equipment - Combined Cycle Gas Turbine Duct Burner Peaking Gas Turbine Cooling Tower	Amount of Emission Offsets for which ERCs are to be Surrendered lb/quarter			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
NOx	24,160	24,427	24,695	24,695
PM10	8,849	8,947	9,045	9,045

25. The following ERCs have been surrendered to the SMAQMD Air Pollution Control Officer to comply with the NOx emission offset requirements as stated in Condition No. 24.

ERC Certificate No.	Face Value of Emission Reduction Credit Certificates lb/quarter				IPTR (A)	Offset Ratio	Value Applied to NOx Emission Liability lb/quarter			
	Qtr 1	Qtr 2	Qtr 3	Qtr 4			Qtr 1	Qtr 2	Qtr 3	Qtr 4
SMAQMD 00050 Campbell Soup	24,184	24,380	24,984	27,136	NA	1.3:1	18,603	18,754	19,219	20,874
SMAQMD SRWTP	7,224	7,375	7,119	4,967	NA	1.3:1	5,557	5,673	5,476	3,821
Total NOx Emission Offsets							24,160	24,427	24,695	24,695

(A) IPTR = interpollutant trading ratio

(B) The Offset Ratio at the time of the original permitting of the facility combined the SMAQMD Rule 204 adjustment of 1.1 emission reductions to 1.0 ERCs with the SMAQMD Rule 202 offset ratio of 1.2 to 1.0.

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

26. The following ERCs have been surrendered to the SMAQMD Air Pollution Control Officer to comply with the PM10 emission offset requirements as stated in Condition No. 24.

ERC Certificate No.	Face Value of Emission Reduction Credit Certificates lb/quarter				IPTR (A)	Offset Ratio	Value Applied to PM10 Emission Liability lb/quarter			
	Qtr 1	Qtr 2	Qtr 3	Qtr 4			Qtr 1	Qtr 2	Qtr 3	Qtr 4
SMAQMD 00051 SRWTP	1,990	2,986	3,019	2,055	NA	1.3:1	1,531	2,297	2,322	1,581
SMAQMD 00057 Swansons (ROC)	7,787	6,984	7,152	8,407	1:1	1.3:1	5,990	5,372	5,502	6,467
SMAQMD SRWTP	1,727	1,661	1,587	1,296	NA	1.3:1	1,328	1,278	1,221	997
Total PM10 Emission Offsets							8,849	8,947	9,045	9,045

(A) IPTR = interpollutant trading ratio

(B) The Offset Ratio at the time of the original permitting of the facility combined the SMAQMD Rule 204 adjustment of 1.1 emission reductions to 1.0 ERCs with the SMAQMD Rule 202 offset ratio of 1.2 to 1.0.

AUTHORITY TO CONSTRUCT

A/C NO.: 22021, 22022, 22066

Your application for this air quality Authority to Construct was evaluated for compliance with Sacramento Metropolitan Air Quality Management District (SMAQMD), state and federal air quality rules. The following listed rules are those that are most applicable to the operation of your equipment. Other rules may also be applicable.

<u>SMAQMD Rule No.</u>	<u>Rule Title</u>
201	General Permit Requirements
202	New Source Review
301	Permit Fees - Stationary Sources
401	Ringelmann Chart
402	Nuisance
406	Specific Contaminants
413	Stationary Gas Turbines
420	Sulfur Content Of Fuels
801 (NSPS)	Standards of Performance for Stationary Combustion Turbines 40 CFR 60 Subpart KKKK [begin at 60.4300]

In addition, the conditions on this Authority to Construct may reflect some, but not all, requirements of these rules. There may be other conditions that are applicable to the operation of your equipment. Future changes in prohibitory rules may establish more stringent requirements which may supersede the conditions listed here.

For further information please consult your SMAQMD Rulebook or contact the SMAQMD for assistance.