SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

FACILITY PERMIT TO OPERATE

INLAND EMPIRE ENERGY CENTER, LLC
26226 ANTELOPE RD
ROMOLAND, CA 92585

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 Mike Mills for
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Table of Content
Facility I.D.#: 129816
Revision #: 7
Date: April 04, 2008

FACILITY PERMIT TO OPERATE
INLAND EMPIRE ENERGY CENTER, LLC

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	4	09/21/2007
B	RECLAIM Annual Emission Allocation	3	07/01/2007
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	1	07/01/2006
E	Administrative Conditions	1	07/01/2006
F	RECLAIM Monitoring and Source Testing Requirements	1	07/01/2006
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	1	07/01/2006
H	Permit To Construct and Temporary Permit to Operate	6	04/04/2008
I	Compliance Plans & Schedules	1	07/01/2006
J	Air Toxics	1	07/01/2006
K	Title V Administration	1	07/01/2006
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	1	07/01/2006
B	Rule Emission Limits	1	07/01/2006

FACILITY PERMIT TO OPERATE
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
System 1 : GAS TURBINE COMBUSTION					
GAS TURBINE, CTG #1, NATURAL GAS, GENERAL ELECTRIC, MODEL S107H, (MAX RATING AT 36 DEGREES F), WITH LOW NOX BURNER, 2597 MMBTU/HR WITH A/N: 456168 Permit to Construct Issued: 06/02/06	D1	C17	NOX: MAJOR SOURCE**	**CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **CO:** 3 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** **H2S:** 0.25 GRAINS/100 SCF NATURAL GAS (4) **[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]** **NOX:** 7.36 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,12-5-2003;RULE 2012,1-7-2005]** ; **NOX:** 68.26 LBS/MMSCF (1) **[RULE 2012,12-5-2003** **RULE 2012,1-7-2005]** ; **NOX:** 2 PPMV NATURAL GAS (4) **[RULE 1703 - PSD Analysis,10-7-1988;RULE 2005,4-20-2001;RULE 2005,5-6-2005]** **NOX:** 123 PPMV NATURAL GAS (8) **[40CFR 60 Subpart GG,3-6-1981]** ; **PM:** 0.1 GRAINS/SCF NATURAL GAS (5) **[RULE 409,8-7-1981]**	A63.1, A99.1, A99.3, A195.1, A195.2, A195.3, A327.1, B61.1, D29.1, D29.2, D82.1, D82.2, E193.1, E193.2, E193.3, E193.6, I296.1, K40.1, 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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
GENERATOR, ELECTRIC, SERVING CTG/HRSG GROUP 1, 405 MW				**PM:** 0.01 GRAINS/SCF NATURAL GAS (5A) **[RULE 475,10-8-1976;RULE 475,8-7-1978]** ; **PM:** 11 LBS/HR (5B) **[RULE 475,10-8-1976;RULE 475,8-7-1978]** **PM10:** 7.5 LBS/HR NATURAL GAS (7) **[RULE 1303(b)(2)-Offset,5-10-1996;RULE 1303(b)(2)-Offset,12-6-2002]** ; **SO2:** 150 PPMV NATURAL GAS (8) **[40CFR 60 Subpart GG,3-6-1981]** **SO2:** (9) **[40CFR 72 - Acid Rain Provisions,11-24-1997]** ; **VOC:** 2 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** **VOC:** 1.4 PPMV NATURAL GAS (7) **[RULE 1303(b)(2)-Offset,5-10-1996;RULE 1303(b)(2)-Offset,12-6-2002]**	

* (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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
GENERATOR, HEAT RECOVERY STEAM GENERATOR, HRSG #1					
OXIDIZER, CATALYTIC, SERVING CTG/HRSG #1, ENGELHARD A/N: 439488 Permit to Construct Issued: 08/05/05	C17	D1 C4			
SELECTIVE CATALYTIC REDUCTION, SERVING CTG/HRSG #1, HALDOR TOPSOE WITH A/N: 439488 Permit to Construct Issued: 08/05/05 AMMONIA INJECTION	C4	C17 S19		**NH3:** 5 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]**	A195.7, D12.1, D12.2, D12.3, D29.3, E179.1, E179.2, E193.1, E193.3, E193.4
STACK, FOR CTG/HRSG #1, HEIGHT: 195 FT; DIAMETER: 22 FT A/N: 456168 Permit to Construct Issued: 06/02/06	S19	C4			
GAS TURBINE, CTG #2, NATURAL GAS, GENERAL ELECTRIC, MODEL S107H, (MAX RATINE AT 36 DEGREES F), WITH LOW NOX BURNER, 2597 MMBTU/HR WITH A/N: 456169 Permit to Construct Issued: 06/02/06	D2	C24	NOX: MAJOR SOURCE**	**CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **CO:** 3 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]**	A63.1, A99.1, A99.3, A195.1, A195.2, A195.3, A327.1, B61.1, D29.1, D29.2, D82.1, D82.2, E193.1,

* (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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
				H2S: 0.25 GRAINS/100 SCF NATURAL GAS (4) **[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]** **NOX:** 7.36 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,12-5-2003;RULE 2012,1-7-2005]** ; **NOX:** 68.26 LBS/MMSCF (1) **[RULE 2012,12-5-2003** **RULE 2012,1-7-2005]** ; **NOX:** 2 PPMV NATURAL GAS (4) **[RULE 1703 - PSD Analysis,10-7-1988;RULE 2005,4-20-2001;RULE 2005,5-6-2005]** **NOX:** 123 PPMV NATURAL GAS (8) **[40CFR 60 Subpart GG,3-6-1981]** ; **PM:** 0.1 GRAINS/SCF NATURAL GAS (5) **[RULE 409,8-7-1981]** **PM:** 0.01 GRAINS/SCF NATURAL GAS (5A) **[RULE 475,10-8-1976;RULE 475,8-7-1978]** ; **PM:** 11 LBS/HR NATURAL GAS (5B) **[RULE 475,10-8-1976**	E193.2, E193.3, E193.6, I296.2, K40.1, 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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
GENERATOR, HEAT RECOVERY STEAM GENERATOR, HRSG #2 GENERATOR, GENERATOR #2, SERVING CTG/HRSG GROUP 2, 405 MW				**RULE 475,8-7-1978]** ; **PM10:** 7.5 LBS/HR NATURAL GAS (7) **[RULE 1303(b)(2)-Offset,5-10-1996;RULE 1303(b)(2)-Offset,12-6-2002]** ; **SOX:** 150 PPMV NATURAL GAS (8) **[40CFR 60 Subpart GG,3-6-1981]** **SOX:** (9) **[40CFR 72 - Acid Rain Provisions,11-24-1997]** ; **VOC:** 2 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** **VOC:** 1.4 PPMV NATURAL GAS (7) **[RULE 1303(b)(2)-Offset,5-10-1996;RULE 1303(b)(2)-Offset,12-6-2002]**	
OXIDIZER, SERVING CTG/HRSG #2, ENGELHARD A/N: 439489 Permit to Construct Issued: 08/05/05	C24	D2 C5			

* (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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
SELECTIVE CATALYTIC REDUCTION, SERVING CTG/HRSG #2, HALDOR TOPSOE WITH A/N: 439489 Permit to Construct Issued: 08/05/05 AMMONIA INJECTION	C5	C24 S26		**NH3:** 5 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]**	A195.7, D12.1, D12.2, D12.3, D29.3, E179.1, E179.2, E193.1, E193.3, E193.4
STACK, FOR CTG/HRSG #2, HEIGHT: 195 FT; DIAMETER: 22 FT A/N: 456169 Permit to Construct Issued: 06/02/06	S26	C5			
System 2 : AUXILIARY EQUIPMENT					
BOILER, AUXILIARY BOILER, NATURAL GAS, RENTECH, MODEL 2005-84, WITH LOW NOX BURNER, 157 MMBTU/HR WITH A/N: 479818 Permit to Construct Issued: 04/04/08	D3	C6	NOX: MAJOR SOURCE**	**CO:** 400 PPMV NATURAL GAS (5A) **[RULE 1146,11-17-2000]** ; **CO:** 50 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(b)(2)-Offset,5-10-1996]** **CO:** 2000 PPMV NATURAL GAS (5) **[RULE 407,4-2-1982]** ; **H2S:** 0.25 GRAINS/100 SCF NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996**	A63.2, A99.2, A99.4, A195.4, A195.5, A195.6, B61.1, C1.2, D29.4, D82.3, D82.4, E193.1, E193.3, E193.6, I296.3, K40.2

* (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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
				RULE 1303(b)(2)-Offset,5-10-1996] ; **NOX:** 0.2 LBS/MMBTU NATURAL GAS (8) **[40CFR 60 Subpart Db,11-16-2006]** ; **NOX:** 8.49 LBS/MMSCF NATURAL GAS (1) **[RULE 2012,5-6-2005]** **NOX:** 100.67 LBS/MMSCF NATURAL GAS (1A) **[RULE 2012,5-6-2005]** ; **NOX:** 7 PPMV NATURAL GAS (4) **[RULE 1703 - PSD Analysis,10-7-1988** **RULE 2005,5-6-2005]** ; **PM:** 0.1 GRAINS/SCF NATURAL GAS (5) **[RULE 409,8-7-1981]** ; **PM10:** 7.26 LBS/MMSCF NATURAL GAS (4) **[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]** ; **VOC:** 10 PPMV NATURAL GAS (4) **[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]**	

* (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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
BURNER, NATURAL GAS, TODD VARIFLAME, MODEL VII690VGXXXX, WITH LOW NOX BURNER, 152.12 MMBTU/HR					
SELECTIVE CATALYTIC REDUCTION, FOR AUXILIARY BOILER, PEERLESS WITH A/N: 439493 Permit to Construct Issued: 08/05/05 AMMONIA INJECTION	C6	D3 S31		**NH3:** 5 PPMV NATURAL GAS (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]**	A195.8, D12.1, D12.2, D12.3, D29.3, E179.1, E179.2, E193.1, E193.3, E193.5
STACK, FOR AUXILIARY BOILER, HEIGHT: 100 FT; DIAMETER: 4 FT A/N: 479818 Permit to Construct Issued: 04/04/08	S31	C6			
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, LEAN BURN, EMERGENCY GENERATOR #1, DIESEL FUEL, CATEPILLAR, MODEL 3516B DITA, WITH PERMIT CATALYTIC/PARTICULATE FILTER, 2848 BHP WITH A/N: 439494 Permit to Construct Issued: 08/05/05	D9		NOX: PROCESS UNIT**	**CO:** 0.045 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** ; **NOX:** 270 LBS/1000 GAL DIESEL (1) **[RULE 2012,12-5-2003** **RULE 2012,1-7-2005]** ; **NOX:** 6.2 GRAM/BHP-HR DIESEL (4) **[RULE 1703 - PSD Analysis,10-7-1988;RULE 2005,4-20-2001;RULE 2005,5-6-2005]**	C1.1, D12.4, D12.5, E193.1, E193.3, I296.4, 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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
GENERATOR, 2000 KW				**PM10:** 0.015 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** ; **VOC:** 0.03 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996** **RULE 1303(a)(1)-BACT,12-6-2002]**	
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, LEAN BURN, EMERGENCY GENERATOR, #2, DIESEL FUEL, CATEPILLAR, MODEL 3516B DITA, WITH PERMIT CATALYTIC/PARTICULATE FILTER, 2848 BHP WITH A/N: 439495 Permit to Construct Issued: 08/05/05	D10		NOX: PROCESS UNIT**	**CO:** 0.045 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** ; **NOX:** 270 LBS/1000 GAL DIESEL (1) **[RULE 2012,12-5-2003** **RULE 2012,1-7-2005]** ; **NOX:** 6.2 GRAM/BHP-HR DIESEL (4) **[RULE 1703 - PSD Analysis,10-7-1988;RULE 2005,4-20-2001;RULE 2005,5-6-2005]**	C1.1, D12.4, D12.5, E193.1, E193.3, I296.4, 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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
GENERATOR, 2000 KW				**PM10:** 0.015 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** ; **VOC:** 0.03 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996 RULE 1303(a)(1)-BACT,12-6-2002]**	
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, LEAN BURN, EMERGENCY FIRE PUMP ENGINE, DIESEL FUEL, CLARKE, MODEL JW6H-UF40, 300 BHP A/N: 439496 Permit to Construct Issued: 08/05/05	D32		NOX: PROCESS UNIT**	**CO:** 0.3 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** ; **NOX:** 240 LBS/1000 GAL DIESEL (1) **[RULE 2012,12-5-2003 RULE 2012,1-7-2005]** ; **NOX:** 5.2 GRAM/BHP-HR DIESEL (4) **[RULE 1703 - PSD Analysis,10-7-1988;RULE 2005,4-20-2001;RULE 2005,5-6-2005]** **PM10:** 0.1 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]** ; **VOC:** 0.2 GRAM/BHP-HR DIESEL (4) **[RULE 1303(a)(1)-BACT,5-10-1996**	C1.1, D12.4, D12.5, E193.1, E193.3, I296.5, 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
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : COMBUSTION AND POWER GENERATION					
				RULE 1303(a)(1)-BACT,12-6-2002]	
Process 2 : INORGANIC CHEMICAL STORAGE					
System 1 : AMMONIA STORAGE TANKS					
STORAGE TANK, FIXED ROOF, #1, AQUEOUS AMMONIA 28 %, 16000 GALS; DIAMETER: 10 FT; LENGTH: 26 FT A/N: 439497 Permit to Construct Issued: 08/05/05	D7				C157.1, E144.1, E193.1, E193.3
STORAGE TANK, FIXED ROOF, #2, AQUEOUS AMMONIA 28 %, 16000 GALS; DIAMETER: 10 FT; LENGTH: 26 FT A/N: 439498 Permit to Construct Issued: 08/05/05	D8				C157.1, E144.1, E193.1, E193.3

* (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.

FACILITY PERMIT TO OPERATE
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: DEVICE ID INDEX

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

FACILITY PERMIT TO OPERATE
INLAND EMPIRE ENERGY CENTER, LLC

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	**Section H Page No.**	**Process**	**System**
D1	1	1	1
D2	3	1	1
D3	6	1	2
C4	3	1	1
C5	6	1	1
C6	8	1	2
D7	11	2	1
D8	11	2	1
D9	8	1	2
D10	9	1	2
C17	3	1	1
S19	3	1	1
C24	5	1	1
S26	6	1	1
S31	8	1	2
D32	10	1	2

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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.

[RULE 401, 3-2-1984; RULE 401, 9-11-1998]

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1470, 3-4-2005; RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not purchase fuel oil containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

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

A. Emission Limits

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than 9728 LBS IN ANY ONE MONTH
PM10	Less than 5580 LBS IN ANY ONE MONTH
VOC	Less than 3769 LBS IN ANY ONE MONTH
SOX	Less than 1362 LBS IN ANY ONE MONTH

The operator shall calculate the emission limit(s) by using monthly fuel use data and the following emission factors: PM10 2.93 lbs/MMscf, SOx 0.71 lbs/MMscf.

The operator shall calculate the emission limit(s) by using monthly fuel use data and the following emission factors: VOC 1.79 lbs/MMscf for normal operations, VOC 12.29 lbs/MMscf for startups.

The operator shall calculate the emission limit(s) for CO, during the commissioning period, using fuel consumption data and the following emission factor: 22.19 lb/MMscf.

The operator shall calculate the emission limit(s) for CO, after the commissioning period and prior to the CO CEMS certification, using fuel consumption data and the following emission factor: 4.48 lbs/MMscf.

The operator shall calculate the emission limit(s) for CO, after the CO CEMS certification, based on readings from the certified CEMS. In the event the CO CEMS is not operating or the emissions exceed the valid upper range of the analyzer, the emissions shall be calculated in accordance with the approved CEMS plan.

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

[Devices subject to this condition : D1, D2]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than 1113 LBS IN ANY ONE MONTH
PM10	Less than 218 LBS IN ANY ONE MONTH
VOC	Less than 127 LBS IN ANY ONE MONTH
SOX	Less than 21 LBS IN ANY ONE MONTH

The operator shall calculate the emission limit(s) by using monthly fuel use data and the following emission factors: CO 36.92 lb/MMscf, PM10 7.26 lbs/MMscf, VOC 4.22 lbs/MMscf, SOx 0.71 lbs/MMscf.

The operator shall calculate the emission limit(s) for CO, after the CO CEMS certification, based on readings from the certified CEMS. In the event the CO CEMS is not operating or the emissions exceed the valid upper range of the analyzer, the emissions shall be calculated in accordance with the approved CEMS plan.

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

[Devices subject to this condition : D3]

A99.1 The 68.26 LBS/MMSCF NOX emission limit(s) shall only apply during the commissioning period.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D1, D2]

A99.2 The 8.49 LBS/MMSCF NOX emission limit(s) shall only apply after the installation and operation of the SCR catalyst during the interim reporting period to report RECLAIM emissions.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D3]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A99.3 The 7.36 LBS/MMSCF NOX emission limit(s) shall only apply during the interim reporting period after the commissioning period to report RECLAIM emissions.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D1, D2]

A99.4 The 100.67 LBS/MMSCF NOX emission limit(s) shall only apply prior to installation and operation of the SCR catalyst during the interim reporting period to report RECLAIM emissions.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D3]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A195.1 The 2.0 PPMV NOX emission limit(s) is averaged over 1-hour, dry basis at 15% O2. This limit shall not apply to turbine commissioning, combustor-tuning activities, startup and shutdown periods. The limit shall not apply to the first fifteen 1-hour average NOx emissions above 2.0 ppmv, dry basis at 15% O2, in any rolling 12-month period for each combustion gas turbine provided that it meets all of the following requirements.

A. This equipment operates under any one of the qualified conditions described below: 1) rapid combustion turbine load changes initiated by the California ISO or a successor entity when the plant is operating under Automatic Generation Control; 2) rapid combustion turbine load changes due to activation of a plant automatic safety or equipment protection system which rapidly decreases turbine load.

B). This equipment operates under any one of the qualified conditions described below: 1) The first two 1-hour reporting periods following the initiation/shutdown of the inlet air chilling system, 2) Events as the result of technological limitation identified by the operator and approved in writing by the AQMD Executive Officer or his designees.

C. The 1-hour average NOx emissions above 2.0 ppmv, dry basis at 15% O2, did not occur as a result of operator neglect, improper operation or maintenance, or qualified breakdown under Rule 2004(i).

D. The qualified operating conditions described in (A) above are recorded in the plant's operating log within 24 hours of the event, and in the CEMS by 5 p.m. the next business day following the qualified operating condition. The notations in the log and CEMS must describe the data and time of entry into the log/CEMS and the plant operating conditions responsible for NOx emissions exceeding the 2.0 ppmv 1-hour average limit.

E. The 1-hour average NOx concentration for periods that result from a qualified operating condition does not exceed 25 ppmv, dry basis at 15 percent O2.

All NOx emissions during these events shall be included in all calculations of hourly, daily, and annual mass emission rates as required by this permit.

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1, D2]

A195.2 The 3.0 PPMV CO emission limit(s) is averaged over 1 hour, dry basis at 15 percent oxygen. This limit shall not apply to turbine commissioning, combustor-tuning activities, startup and shutdown periods.

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

[Devices subject to this condition : D1, D2]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A195.3 The 2.0 PPMV VOC emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis. This limit shall not apply to turbine commissioning, combustor-tuning activities, startup and shutdown periods.

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

[Devices subject to this condition : D1, D2]

A195.4 The 7.0 PPMV NOX emission limit(s) is averaged over 1 hour at 3 percent oxygen, dry basis.

This limit shall not apply during the initial auxiliary boiler commissioning period not to exceed 200 hours or until the SCR catalyst is installed and operational, whichever occurs first.

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : D3]

A195.5 The 50 PPMV CO emission limit(s) is averaged over 1 hours at 3 percent oxygen, dry basis.

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

[Devices subject to this condition : D3]

A195.6 The 10 PPMV VOC emission limit(s) is averaged over 1 hour at 3 percent oxygen, dry basis.

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

[Devices subject to this condition : D3]

A195.7 The 5 PPMV NH3 emission limit(s) is averaged over 1 hour at 15 percent oxygen, dry basis.

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

[Devices subject to this condition : C4, C5]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A195.8 The 5 PPMV NH3 emission limit(s) is averaged over 1 hour at 3 percent oxygen, dry basis.

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

[Devices subject to this condition : C6]

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 : D1, D2]

B. Material/Fuel Type Limits

B61.1 The operator shall not use natural gas containing the following specified compounds:

Compound	grain per 100 scf
H2S greater than	0.25

This concentration limit is an annual average based on monthly sample of natural gas composition or gas supplier documentation.

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

[Devices subject to this condition : D1, D2, D3]

C. Throughput or Operating Parameter Limits

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

C1.1 The operator shall limit the operating time to no more than 50 hour(s) in any one year.

[RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 1470, 3-4-2005; RULE 2012, 5-6-2005]

[Devices subject to this condition : D9, D10, D32]

C1.2 The operator shall limit the fuel usage to no more than 29.24 MM cubic feet per month.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage of the auxiliary boiler.

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

[Devices subject to this condition : D3]

C157.1 The operator shall install and maintain a pressure relief valve with a minimum pressure set at 25 psig.

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

[Devices subject to this condition : D7, D8]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia (NH3).

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

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : C4, C5, C6]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D12.2 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust at the inlet to the SCR reactor.

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

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : C4, C5, C6]

D12.3 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inched water column.

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

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : C4, C5, C6]

D12.4 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D9, D10, D32]

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

[RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 2012, 5-6-2005]

[Devices subject to this condition : D9, D10, D32]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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
NOX emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment
CO emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment
SOX emissions	Approved District method	District-approved averaging time	Fuel Sample
VOC emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted after District approval of the source test protocol, but no later than 180 days after initial start-up. The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the tests shall measure the fuel flow rate (CFH), the flue gas flow rate. The combined gas turbine and steam turbine generating output in MW shall also be recorded if applicable.

The test shall be conducted in accordance with a District approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the District before the test commences. The test protocol shall include the proposed operating conditions of the turbine during the tests, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

For gas turbines only the VOC test shall use the following method: a)Stack gas samples are extracted into Summa canisters, maintaining a final canister pressure between 400-500 mm Hg absolute, b)Pressurization of Summa canisters is done with zero gas analyzed/certified to having less than 0.05 ppmv total hydrocarbons as carbon, and c)Analysis of Summa canisters is per EPA Method TO-12 (with pre-concentration) and the canisters temperature when extracting samples for analysis is not to be below 70 degrees F.

The use of this alternative VOC test method is solely for the determination of compliance with the VOC BACT level of 2.0 ppmv calculated as carbon for natural gas fired turbines. Because the BACT level was set using data derived from various source test methods, this alternate method provides a fair comparison and

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

represents the best sampling and analysis technique for this purpose at this time. The test results must be reported with two significant digits.

The test shall be conducted when this equipment is operating at loads of 100, 75, and 50 (50 percent or the minimum compliant load achieved) percent of maximum load for the NOx, CO, VOC, and ammonia tests. The PM test shall be conducted when this equipment is operating at 100% of maximum load. All testing for this equipment shall be conducted in TRIPLICATE.

The test shall be conducted when this equipment is operating at 100% of maximum load for the PM test.

[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; RULE 1401, 3-4-2005; RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1, D2]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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
SOX emissions	Approved District method	District-approved averaging time	Fuel Sample
VOC emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment

The test(s) shall be conducted at least once every three years.

The test shall be conducted and the results submitted to the District within 60 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 when the gas turbine is operating at 100 percent of maximum heat input. Testing for this equipment shall be conducted in TRIPLICATE.

For gas turbines only the VOC test shall use the following method: a)Stack gas samples are extracted into Summa canisters, maintaining a final canister pressure between 400-500 mm Hg absolute, b)Pressurization of Summa canisters is done with zero gas analyzed/certified to having less than 0.05 ppmv total hydrocarbons as carbon, and c)Analysis of Summa canisters is per EPA Method TO-12 (with pre-concentration) and the canisters temperature when extracting samples for analysis is not to be below 70 degrees F.

The use of this alternative VOC test method is solely for the determination of compliance with the VOC BACT level of 2.0 ppmv calculated as carbon for natural gas fired turbines. Because the BACT level was set using data derived from various source test methods, this alternate method provides a fair comparison and represents the best sampling and analysis technique for this purpose at this time. The test results must be reported with two significant digits.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration and/or monthly emissions limit.

[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 : D1, D2]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted and the results submitted to the District within 60 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(s) 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(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C4, C5, C6]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
NOX emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment
CO emissions	District method 100.1	1 hour	Outlet
NH3 emissions	District method 207.1 and 5.3 or EPA method 17	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted after District approval of the source test protocol, but no later than 180 days after initial start-up. The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the tests shall measure the fuel flow rate (CFH), the flue gas flow rate.

The test shall be conducted in accordance with a District approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the District before the test commences. The test protocol shall include the proposed operating conditions of the turbine during the tests, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

The test shall be conducted when this equipment is operating at 100 percent of maximum load for the NOx, CO and ammonia tests.

[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; RULE 1401, 3-4-2005; RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : D3]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

CO concentration in ppmv

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

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

The CEMS shall be installed and operated to measure CO concentration over a 15 minute averaging time period

The CEMS shall be installed and operated, in accordance with an approved AQMD Rule 218 CEMS plan application. The operator shall not install the CEMS prior to receiving initial approval from AQMD

The CEMS shall be installed and in operation no later than 90 days after initial startup of the turbine. Rule 218 testing shall be completed and submitted to the AQMD within 90 days of the conclusion of the turbine commissioning period.

[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; RULE 218, 8-7-1981; RULE 218, 5-14-1999]

[Devices subject to this condition : D1, D2]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D82.2 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

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

The CEMS shall be installed and operating no later than 12 months after initial start-up of the turbine and shall comply with the requirements of Rule 2012. During the interim period between the initial start-up and the provisional certification date of the CEMS, the operator shall comply with the monitoring requirements of Rule 2012(h)(2) and 2012(h)(3). Within two weeks of the turbine startup date, the operator shall provide written notification to the District of the exact date of start-up

The CEMS shall be installed and in operation within 90 days after initial startup of the turbine. Rule 2012 provisional RATA testing shall be completed and submitted to the AQMD within 90 days of the conclusion of the turbine commissioning period.

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005; RULE 2012, 5-6-2005]

[Devices subject to this condition : D1, D2]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

CO concentration in ppmv

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

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

The CEMS shall be installed and operated, in accordance with an approved AQMD Rule 218 CEMS plan application. The operator shall not install the CEMS prior to receiving initial approval from AQMD

The CEMS shall be installed and operated to measure CO concentration over a 15 minute averaging time period

The CEMS shall be installed The CEMS shall be installed and operating no later than 90 days after initial startup of the boiler

[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; RULE 218, 8-7-1981; RULE 218, 5-14-1999]

[Devices subject to this condition : D3]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D82.4 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

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

The CEMS shall be installed and operating no later than 12 months after initial start-up of the boiler and shall comply with the requirements of Rule 2012. During the interim period between the initial start-up and the provisional certification date of the CEMS, the operator shall comply with the monitoring requirements of Rule 2012(h)(2) and 2012(h)(3). Within two weeks of the boiler startup date, the operator shall provide written notification to the District of the exact date of start-up.

The CEMS shall be in operation and Rule 2012 provisional RATA testing submitted to the AQMD within 90 days of the conclusion of the boiler commissioning period.

The CEMS shall be installed and operating no later than 90 days after initial startup of the boiler.

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005; RULE 2012, 5-6-2005]

[Devices subject to this condition : D3]

E. Equipment Operation/Construction Requirements

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

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

[Devices subject to this condition : D7, D8]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E179.1 For the purpose of the following condition number(s), continuously record shall be defined as recording at least once every hour and shall be calculated upon the average of the continuous monitoring for that hour.

Condition Number D 12- 1

Condition Number D 12- 2

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : C4, C5, C6]

E179.2 For the purpose of the following condition number(s), continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that month.

Condition Number D 12- 3

[RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : C4, C5, C6]

E193.1 The operator shall upon completion of construction, operate and maintain this equipment according to the following specifications:

In accordance with all air quality mitigation measures stipulated in the Final Energy Commission Decision for 01-AFC-17 project and its Amendment 1.

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D1, D2, D3, C4, C5, C6, D7, D8, D9, D10, D32]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

The commissioning period shall not exceed 509 hours of operation for both turbines during the first 180 calendar days from the date of initial start-up.

Startup/shutdown time shall not exceed 4 hours per day per gas turbine, except for a cold startup and combustor-tuning activities which shall not exceed 6 hours per day per gas turbine. A cold startup shall be defined as a startup of the gas turbine after 72 hours of non-operation. Combustor-tuning activities shall be defined as all testing, adjusting, tuning, and calibration activities recommended by the turbine manufacturer to ensure safe, reliable, and in-specification operation of the turbine.

Startup/shutdown and combustor-tuning activity emissions shall not exceed 408 lbs/hr NOx and 95 lbs/hr CO. The startup/shutdown and combustor-tuning activity emissions shall not exceed 803 lbs/event NOx and 300 lbs/event CO.

Monthly startup/shutdown time shall not exceed 31 hours. Shutdown time does not include non-operation time.

The operator shall provide the AQMD with written notification of the initial startup date. Written records of commissioning, startups, and shutdowns shall be maintained and made available upon request from AQMD

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1, D2]

E193.3 The operator shall operate and maintain this equipment according to the following requirements:

Within 12 months of permit issuance, the Permittee will sign a Memorandum of Understanding with the U.S. Forest Service to participate in a visibility monitoring project, the results of which will be used to establish a visibility baseline in nearby Class 1 Areas.

[RULE 1703 - PSD Analysis, 10-7-1988]

[Devices subject to this condition : D1, D2, D3, C4, C5, C6, D7, D8, D9, D10, D32]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E193.4 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall calculate and continuously record the NH3 slip concentration using the following: NH3 (ppmvd) = [a-b*(c*1.2)/1E6]*1E6/b, where a=NH3 injection rate (lb/hr)/17(lb/lb-mol), b= dry exhaust flow rate (scf/hr)/(385.5 scf/lb-mol), c = change in measured NOx across the SCR, ppmvd at 15 percent O2.

The operator shall install a NOx analyzer to measure the SCR inlet NOx ppm accurate to within +/- 5 percent calibrated at least once every 12 months. The operator shall use the method described above or another alternative method approved by the Executive Officer.

The ammonia slip calculation procedures described above shall not be used for compliance determination or emission information determination without corroborative data using an approved reference method for the determination of ammonia. The ammonia slip calculation procedure shall be in-effect no later than 90 days after initial startup of the turbine.

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

[Devices subject to this condition : C4, C5]

E193.5 The operator shall operate and maintain this equipment according to the following requirements:

The operator shall calculate and continuously record the NH3 slip concentration using the following: NH3(ppmvd) = [a-b*(c*1.2)/1E6]*1E6/b, where a=NH3 injection rate (lb/hr)/17(lb/lb-mol), b= dry exhaust flow rate (scf/hr)/(385.5 scf/lb-mol), c = change in measured NOx across the SCR, ppmvd at 3 percent O2.

The operator shall install a NOx analyzer to measure the SCR inlet NOx ppm accurate to within +/- 5 percent calibrated at least once every 12 months. The operator shall use the method described above or another alternative method approved by the Executive Officer.

The ammonia slip calculation procedures described above shall not be used for compliance determination or emission information determination without corroborative data using an approved reference method for the determination of ammonia. The ammonia slip calculation procedure shall be in-effect no later than 90 days after initial startup of the boiler.

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

[Devices subject to this condition : C6]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

E193.6 The operator shall restrict the operation of this equipment according to the following requirements:

The calendar daily cumulative operating hours for both gas turbines (D1 and D2) and the auxiliary boiler (D3) shall not exceed 60 hours per day . The operating hours shall be recorded and maintained using an automated data aquisition system. The operating hours shall be determined from the RECLAIM certified NOx CEMS accurate to the nearest 15-min operating period.

The operator shall maintain daily records summarizing daily operating hours of each of the following equipment - gas turbine D1, gas turbine D2, and auxiliary boiler D3, for at least 5 years and made available to AQMD upon request.

[RULE 1303, 5-10-1996; RULE 1303, 12-6-2002]

[Devices subject to this condition : D1, D2, D3]

I. Administrative

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

To comply with this condition, the operator shall prior to the 1st compliance year hold a minimum NOx RTCs of 165,612 lbs. This condition shall apply during the 1st 12 months of operation, commencing with the initial operation of the gas turbine.

To comply with this condition, the operator shall, prior to the beginning of all years subsequent to the 1st compliance year, hold a minimum NOx RTCs of 158,943 lbs. In accordance with Rule 2005(f), unused RTC's may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st compliance year.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D1]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

To comply with this condition, the operator shall prior to the 1st compliance year hold a minimum NOx RTCs of 152,218 lbs. This condition shall apply during the 1st 12 months of operation, commencing with the initial operation of the gas turbine.

To comply with this condition, the operator shall, prior to the beginning of all years subsequent to the 1st compliance year, hold a minimum NOx RTCs of 158,943 lbs. In accordance with Rule 2005(f), unused RTC's may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st compliance year.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D2]

I296.3 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

To comply with this condition, the operator shall prior to the 1st compliance year hold a minimum NOx RTCs of 790 lbs. This condition shall apply during the 1st 12 months of operation.

To comply with this condition, the operator shall, prior to the beginning of all years subsequent to the 1st compliance year, hold a minimum NOx RTCs of 790 lbs. In accordance with Rule 2005(f), unused RTC's may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st compliance year.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D3]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

I296.4 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

To comply with this condition, the operator shall prior to the 1st compliance year hold a minimum NOx RTCs of 1,946 lbs. This condition shall apply during the 1st 12 months of operation.

To comply with this condition, the operator shall, prior to the beginning of all years subsequent to the 1st compliance year, hold a minimum NOx RTCs of 1,946 lbs. In accordance with Rule 2005(f), unused RTC's may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st compliance year.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D9, D10]

I296.5 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

To comply with this condition, the operator shall prior to the 1st compliance year hold a minimum NOx RTCs of 172 lbs. This condition shall apply during the 1st 12 months of operation.

To comply with this condition, the operator shall, prior to the beginning of all years subsequent to the 1st compliance year, hold a minimum NOx RTCs of 172 lbs. In accordance with Rule 2005(f), unused RTC's may be sold only during the reconciliation period for the fourth quarter of the applicable compliance year inclusive of the 1st compliance year.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D32]

K. Record Keeping/Reporting

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 15 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

Source test results shall also include the oxygen levels in the exhaust, fuel flow rate (CFH), the flue gas temperature, and the generator power output (MW) under which the test was conducted.

[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; RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : D1, D2]

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv) corrected to 3 percent oxygen (dry basis), mass rate (lbs/hr), and lbs/MM Cubic Feet. In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

All moisture concentration shall be expressed in terms of percent corrected to 3 percent oxygen.

Source test results shall also include the oxygen levels in the exhaust, fuel flow rate (CFH), the flue gas temperature, and the generator power output (MW) under which the test was conducted.

[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; RULE 1703 - PSD Analysis, 10-7-1988; RULE 2005, 5-6-2005]

[Devices subject to this condition : D3]

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

Natural gas fuel use during the commissioning period

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D1, D2]

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

Date of operation, the elapsed time, in hours, and the reason for operation.

[RULE 1110.2, 11-14-1997; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1304(c)-Offset Exemption, 6-14-1996]

[Devices subject to this condition : D9, D10, D32]