



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

March 1, 2013

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

Subject: Southern California Gas Company (ID 800128) – Title V Permit Revision

Dear Mr. Rios:

Southern California Gas Company has proposed to revise their Title V permit under application no. 545226 by the revision of Permit Condition K67.10 and the re-naming of two storage tanks. Southern California Gas Company is a public utility serving Southern California. The proposed permit revision is considered as a “minor permit revision” to their Title V permit. Attached for your review is the evaluation and Section D of the Facility Permit for the proposed revision. With the receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period begins on March 1, 2013.

If you have any questions or need additional information regarding the proposed permit revision, please call Mr. Kenneth L. Coats (909) 396-2527.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a large, faint, stylized signature graphic.

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

cc: John Clarke, Southern California Gas Company

BLY:AYL:JTY:klc
Attachments

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, G-2, NATURAL GAS, WAUKESHA, MODEL L-7042-G, ID NO, 233200, DRIVING 500 KW GENERATOR, 818 HP WITH A/N: 367656	D1	C181	NOX: LARGE SOURCE**	CO: 150 PPMV NATURAL GAS (5A) [RULE 1303(b)(2)-Offset, 5-10-1996]; CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; NOX: 20 PPMV NATURAL GAS (3) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; VOC: 200 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996]	C10.1, D12.5, E115.1, H23.13, H23.14, K67.8
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATTHEY, THREE-WAY CATALYST, MODEL BX90, WITH AIR TO FUEL RATIO CONTROLLER, WOODWARD GECO	C181	D1			

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

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

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Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, G-4. NATURAL GAS, WAUKESHA, MODEL L-7042-G. ID NO. 252991. DRIVING 500 KW GENERATOR, 818 HP WITH A/N 539304	D2	C182	NOX: LARGE SOURCE**	CO: 150 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; NOX: 20 PPMV NATURAL GAS (3) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; VOC: 200 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996]	C10.1, D12.5, E115.1, E448.2, E448.3, H23.13, H23.14, K67.8
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATTHEY, THREE-WAY CATALYST, MODEL BX90, AIR TO FUEL RATIO CONTROLLER, WOODWARD E3 RICH BURN	C182	D2			

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
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 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, G-1, NATURAL GAS, WAUKESHA, MODEL L-7042-G, ID NO. 233201, DRIVING 500 KW GENERATOR, 818 HP WITH A/N: 367658	D3	C183	NOX: LARGE SOURCE**	CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; NOX: 20 PPMV NATURAL GAS (3) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; VOC: 200 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1303(b)(2)-Offset, 5-10-1996]	C10.1, D12.5, E115.1, H23.13, H23.14, K67.8
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATTHEY, THREE WAY CATALYST, MODEL BX90, WITH AIR TO FUEL RATIO CONTROLLER, WOODWARD GECO	C183	D3			

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
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Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, G-3, NATURAL GAS, WAUKESHA, MODEL L-7042-G, ID NO. 233199, DRIVING 500 KW GENERATOR, 818 HP WITH A/N: 367659	D4	C184	NOX: LARGE SOURCE**	CO: 150 PPMV NATURAL GAS (5A) [RULE 1303(b)(2)-Offset, 5-10-1996]; CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; NOX: 20 PPMV NATURAL GAS (3) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; VOC: 200 PPMV (5) [RULE 1303(b)(2)-Offset, 5-10-1996]	C10.1, D12.5, E115.1, H23.13, H23.14, K67.8
NON-SELECTIVE CATALYTIC REDUCTION, JOHNSON MATHEY, THREE WAY CATALYST, MODEL BX90, WITH AIR TO FUEL RATIO CONTROLLER, WOODWARD GECCO, 500 KW	C184	D4			
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, K-2, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, 4-STROKE, WITH STAGED COMBUSTION, 2000 HP WITH A/N: 500001	D6	C223	NOX: MAJOR SOURCE**	CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1, H23.16
CO OXIDATION CATALYST, PLATINUM BASED	C223	D6			

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 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
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Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, K-5, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, 4-STROKE, WITH STAGED COMBUSTION, 2000 HP WITH A/N: 500005 CO OXIDATION CATALYST, PLATINUM BASED	D7 C224	C224 D7	NOX: MAJOR SOURCE**	CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1, H23.16
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, K-1, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, 4-STROKE, WITH STAGED COMBUSTION, 2000 HP WITH A/N: 500000 CO OXIDATION CATALYST, PLATINUM BASED	D8 C225	C225 D8	NOX: MAJOR SOURCE**	CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1, H23.16
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, K-3, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, 4-STROKE, WITH STAGED COMBUSTION, 2000 HP WITH A/N: 500002 CO OXIDATION CATALYST, PLATINUM BASED	D9 C226	C226 D9	NOX: MAJOR SOURCE**	CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1, H23.16

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- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
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INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, K-4, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, 4-STROKE, WITH STAGED COMBUSTION, 2000 HP WITH A/N: 500004 CO OXIDATION CATALYST, PLATINUM BASED	D10 C227	C227 D10	NOX: MAJOR SOURCE**	CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1, H23.16
GAS TURBINE, NO. K-25, NATURAL GAS, GENERAL ELECTRIC, MODEL LM1500, 15,200 HP, 150 MMBTU/HR WITH A/N: 399080 COMPRESSOR, CLARK MODEL 272B	D14		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 LBS/HR NATURAL GAS (7) [RULE 2005, 4-20-2001]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	E193.1, H23.4
GAS TURBINE, NO. K-26, NATURAL GAS, GENERAL ELECTRIC, MODEL LM1500, 15,200 HP, 150 MMBTU/HR WITH A/N: 399081 COMPRESSOR, CLARK MODEL 272B	D15		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 LBS/HR NATURAL GAS (7) [RULE 2005, 4-20-2001]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	E193.1, H23.4

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Process 1: INTERNAL COMBUSTION					
GAS TURBINE, NO.K-27, NATURAL GAS, GENERAL ELECTRIC, MODEL LM1500, 15,200 HP, 150 MMBTU/HR WITH A/N: 399082 COMPRESSOR, CLARK MODEL 272B	D16		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 50 LBS/HR NATURAL GAS (7) [RULE 2005, 4-20-2001]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	E193.1, H23.4
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, RICH BURN, NATURAL GAS, GENERAC, MODEL 6.8GNGD-100, NATURALLY ASPIRATED, 10 CYLINDERS, DRIVING AN EMERGENCY GENERATOR, 147 BHP WITH A/N: NON-SELECTIVE CATALYTIC REDUCTION, GENERAC, MODEL NO. 0D5027A, WITH AIR FUEL RATIO CONTROLLER, MODEL NO. 0H2957B	D215		NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 394.86 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; VOC: 1 GRAM/BHP-HR NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart JJJJ, 1-18-2008]	C1.8, D12.1, D12.6, E115.2, E175.2, H23.17, K67.9, K67.10

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Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, RICH BURN, NATURAL GAS, GENERAC, MODEL 6.8GNGD-100, NATURALLY ASPIRATED, 10 CYLINDERS, DRIVING AN EMERGENCY GENERATOR, 147 BHP WITH A/N: NON-SELECTIVE CATALYTIC REDUCTION, GENERAC, MODEL NO. 0D5027A, WITH AIR FUEL RATIO CONTROLLER, MODEL NO. 0H2957B	D217		NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 394.86 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; VOC: 1 GRAM/BHP-HR NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart JJJJ, 1-18-2008]	C1.8, D12.1, D12.6, E115.2, E175.2, H23.17, K67.9, K67.10

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Process 1- INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, RICH BURN, NATURAL GAS, GENERAC, MODEL 6.8GNGD-130, NATURALLY ASPIRATED, 10 CYLINDERS, DRIVING AN EMERGENCY GENERATOR, 189 BHP WITH A/N: NON-SELECTIVE CATALYTIC REDUCTION, GENERAC, MODEL NO. 0D5027A, WITH AIR FUEL RATIO CONTROLLER, MODEL NO. 0H2957B	D218		NOX: PROCESS UNIT**	CO: 2 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 349.64 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; VOC: 1 GRAM/BHP-HR NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart JJJJ, 1-18-2008]	C1.8, D12.1, D12.6, E115.2, E175.2, H23.17, K67.9, K67.10

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 (2) (2A) (2B) Denotes RECLAIM emission rate
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, RICH BURN, NATURAL GAS, GENERAC, MODEL 13.3GTA-250, NATURALLY ASPIRATED, 10 CYLINDERS, DRIVING AN EMERGENCY GENERATOR, 385 BHP WITH A/N: NON-SELECTIVE CATALYTIC REDUCTION, GENERAC, MODEL NO. 0D5027A, WITH AIR FUEL RATIO CONTROLLER, MODEL NO. 0H2957B	D219		NOX PROCESS UNIT**	CO: 2 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 369.13 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; VOC: 1 GRAM/BHP-HR NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 60 Subpart JJJJ, 1-18-2008]	C1.8, D12.1, D12.6, E115.2, E175.2, H23.17, K67.9, K67.10
Process 2: PETROLEUM STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. T-10, WASTE WATER, CRUDE OIL, 4200 GALS; DIAMETER: 8 FT ; HEIGHT: 8 FT A/N: 256062	D22				
STORAGE TANK, FIXED ROOF, NO. T-11, WASTE WATER/CRUDE OIL, 4200 GALS; DIAMETER: 8 FT ; HEIGHT: 8 FT A/N: 256063	D23				

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Process 2: PETROLEUM STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. T-67, SURGE, VENTED TO VAPOR RECOVERY SYSTEM, 1000 BBL; DIAMETER: 22 FT ; HEIGHT: 16 FT A/N: 259719	D25	C152 C163			E57.1, E127.1, H23.1
STORAGE TANK, FIXED ROOF, NO. SGP T-9A, VENTED TO VAPOR RECOVERY SYSTEM, 4000 BBL; DIAMETER: 35 FT ; HEIGHT: 24 FT A/N:	D27	C152 C163			E57.1, H23.1
STORAGE TANK, FIXED ROOF, NO. T-99, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 29 FT ; HEIGHT: 16 FT A/N: C08887	D29	C152 C163			E57.1, H23.1
STORAGE TANK, FIXED ROOF, NO. T-15, SURGE, VENTED TO VAPOR RECOVERY SYSTEM, 3000 BBL; DIAMETER: 25 FT ; HEIGHT: 24 FT A/N: C08890	D31	C189 C190			E57.1, H23.1
STORAGE TANK, FIXED ROOF, NO. T-2, VENTED TO VAPOR RECOVERY SYSTEM, 1500 BBL; DIAMETER: 25 FT ; HEIGHT: 20 FT A/N: C08892	D32	C189 C190			E57.1, H23.1
STORAGE TANK, FIXED ROOF, NO. T-1, VENTED TO VAPOR RECOVERY SYSTEM, 1500 BBL; DIAMETER: 25 FT ; HEIGHT: 18 FT A/N: C08893	D33	C189 C190			E57.1, H23.1

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2: PETROLEUM STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. T-31, VENTED TO VAPOR RECOVERY SYSTEM, 10000 BBL; DIAMETER: 47 FT 6 IN; HEIGHT: 32 FT A/N: C13140	D35	C164 C192			E57.1, H23.1
STORAGE TANK, FIXED ROOF, NO. T-32, VENTED TO VAPOR RECOVERY SYSTEM, 10000 BBL; DIAMETER: 47 FT 6 IN; HEIGHT: 32 FT A/N: C13141	D36	C164 C192			E57.1, H23.1
TANK, FIXED ROOF, SURGE, NO. 29101, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT 1 IN A/N: 298461	D139	C151			E57.1, H23.1
TANK, FIXED ROOF, SURGE, NO. 29102, VENTED TO VAPOR RECOVERY SYSTEM, 2000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 16 FT 1 IN A/N: 298461	D140	C151			E57.1, H23.1
TANK, FIXED ROOF, WASH, NO. IM91X, 1000 BBL; DIAMETER: 21 FT 6 IN; HEIGHT: 16 FT A/N: 298461	D141	C152 C163			E57.1, H23.1
TANK, FIXED ROOF, WASH, IM91Y, VENTED TO VAPOR RECOVERY SYSTEM, 1000 BBL; DIAMETER: 21 FT 6 IN; HEIGHT: 16 FT A/N: 298461	D142	C152 C163			E57.1, H23.1

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 2: PETROLEUM STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, PWI T-55A. VENTED TO VAPOR RECOVERY. 3000 BBL. DIAMETER: 29 FT 8 IN. HEIGHT: 24 FT A/N:	D134	C189 C190			E57.1, H23.1
TANK, NO T2964, CRUDE OIL. FIXED ROOF. VENTED TO VAPOR RECOVERY, 5000 BBL. DIAMETER: 38 FT. HEIGHT: 24 FT A/N: 372095	D136	C189 C190			E57.1, H23.1
Process 4: NATURAL GAS DISTRIBUTION PROCESS					
System 2: GAS ODORIZATION - PORTER					
STORAGE TANK, PRESSURIZED, ODORANT, PRESSURIZED. 1000 GALS. DIAMETER: 3 FT 6 IN. HEIGHT: 15 FT A/N: 482615	D196	C199			E175.1, E179.1
CARBON FILTER A/N: 482615	C60			H2S: 4 PPMV (5) [RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]	D90.1, K67.3
STORAGE TANK, PRESSURIZED, ODORANT, 90 GALS. DIAMETER: 1 FT 8 IN. LENGTH: 5 FT A/N: 136334	D61				E175.1, E179.1
CARBON FILTER A/N: 482615	C199	D196		H2S: 16 PPMV (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, K67.3
ODORANT DISPENSING EQUIPMENT A/N: 482622	D202				
System 3: GAS ODORIZATION - DEHY 1					

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 - (3) Denotes RECLAIM concentration limit
 - (5) (5A) (5B) Denotes command and control emission limit
 - (7) Denotes NSR applicability limit
 - (9) See App B for Emission Limits
 - (2) (2A) (2B) Denotes RECLAIM emission rate
 - (4) Denotes BACT emission limit
 - (6) Denotes air toxic control rule limit
 - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 - (10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 4: NATURAL GAS DISTRIBUTION PROCESS					
STORAGE TANK, FIXED ROOF, ODORANT, PRESSURIZED, 3000 GALS; DIAMETER: 6 FT ; LENGTH: 15 FT A/N: 482622	D63				E175.1, E179.1
CARBON FILTER A/N: 482622	C65			H2S: 4 PPMV (5) [RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]	D90.1, K67.3
STORAGE TANK, PRESSURIZED, ODORANT, PRESSURIZED, 3000 GALS; DIAMETER: 6 FT ; HEIGHT: 15 FT A/N: 482622	D197	C200			E175.1, E179.1
CARBON FILTER A/N: 482622	C200	D197		H2S: 16 PPMV (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, K67.3
ODORANT DISPENSING EQUIPMENT A/N: 482615	D203				
System 4: GAS ODORIZATION - DEHY 2					
STORAGE TANK, FIXED ROOF, ODORANT, PRESSURIZED, 2000 GALS; DIAMETER: 4 FT ; LENGTH: 15 FT A/N: 482623	D67				E175.1, E179.1
CARBON FILTER A/N: 482623	C69			H2S: 4 PPMV (5) [RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]	D90.1, K67.3
STORAGE TANK, PRESSURIZED, ODORANT, PRESSURIZED, 2000 GALS; DIAMETER: 4 FT ; HEIGHT: 15 FT A/N: 482623	D198	C201			E175.1, E179.1

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|--|--|
| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
|--|--|

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
Process 4: NATURAL GAS DISTRIBUTION PROCESS					
ODORANT DISPENSING EQUIPMENT A/N: 482623	D204				
CARBON FILTER A/N: 482623	C201	D198		H2S: 16 PPMV (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, K67.3
Process 5: OIL/GAS/WATER SEPARATION PROCESS					
System 1: DEHYDRATION PLANT 1					
FLARE, ELEVATED WITHOUT STEAM, FS-1, ACTING AS AN AFTERBURNER, NATURAL GAS, 16000 SCFH CAPACITY, HEIGHT 33 FT 6 IN. DIAMETER: 4 FT 5.5 IN. 16.8 MMBTU/HR A/N: 442030	C93	D106 D168	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.6, D12.3, K67.2
KNOCK OUT POT. V-7, VENT GAS. HEIGHT: 12 FT ; DIAMETER: 1 FT .75 IN A/N: 442030	D97	D106 D116			
SUMP, DRAINAGE, COVERED, WIDTH: 5 FT ; DEPTH: 10 FT ; LENGTH: 10 FT A/N: 442030	D99	C100			
CARBON ADSORBER, 150 LBS A/N: 442030	C100	D99		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	D90.2, K67.4
DRUM, V-102X, FLASH GAS KNOCKOUT DRUM, LENGTH: 6 FT ; DIAMETER: 2 FT A/N: 442030	D106	C93 D97			
VESSEL, C-3, RECTIFIER COLUMN, HEIGHT: 69 FT 2 IN; DIAMETER: 3 FT A/N: 442030	D115	D116			

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 5: OIL/GAS/WATER SEPARATION PROCESS					
KNOCK OUT POT, V-5, RECTIFIER OVERHEAD AND LEAN STRIPPER GAS, HEIGHT: 8 FT ; DIAMETER: 2 FT A/N: 442030	D116	D97 D115			
System 2: DEHYDRATION PLANT 2					
FLARE, ELEVATED WITHOUT STEAM, FS-2, ACTING AS AN AFTERBURNER, NATURAL GAS. 16000 SCFH CAPACITY, HEIGHT: 33 FT 6 IN, DIAMETER: 4 FT 5.5 IN; 16.8 MMBTU/HR A/N: 244294	C98	D76	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.6, D12.3, K67.2
KNOCK OUT POT, V-62, VENT GAS, HEIGHT: 8 FT ; DIAMETER: 1 FT 3 IN A/N: 244294	D76	C98			
SUMP, DRAINAGE, 3-COMPARTMENT, COVERED, WIDTH: 5 FT ; HEIGHT: 14 FT ; LENGTH: 10 FT A/N: 244294	D77	C78			
CARBON ADSORBER, 150 LBS A/N: 244294	C78	D77		VOC: 500 PPMV (5) [RULE 1176, 9-13-1996]	D90.2, K67.4
DRUM, V-46, PRIMARY FLASH DRUM, HEIGHT: 12 FT ; DIAMETER: 4 FT A/N: 244294	D108				
System 3: WATER CLARIFICATION					

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 5: OIL/GAS/WATER SEPARATION PROCESS					
TANK, NO. 03M02A, WASTE WATER, FIXED ROOF, 3000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 24 FT A/N: 287367	D137	C189 C190			E57.1, H23.1
TANK, WASH, NO. 03M02B, FIXED ROOF, 3000 BBL; DIAMETER: 29 FT 9 IN; HEIGHT: 24 FT A/N: 287367	D138	C189 C190			E57.1, H23.1
Process 6: EXTERNAL COMBUSTION BOILER					
HEATER, H-6, NATURAL GAS, CE NATCO, MODEL VFH, 5 MMBTU/HR A/N: 229756	D83		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D332.1
HEATER, H-20, NATURAL GAS, CE NATCO, MODEL VFH, 3 MMBTU/HR A/N: 229757	D84		NOX: PROCESS UNIT**	CO: 400 PPMV (5A) [RULE 1146.1, 5-13-1994]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D332.2

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
Process 6: EXTERNAL COMBUSTION BOILER					
HEATER, LIQUID HEATER NO. 1, NATURAL GAS, AMERICAN HEATER COMPANY, MODEL AHE-650, WITH LOW NOX BURNER, 6.5 MMBTU/HR WITH A/N: 347641	D175		NOX: PROCESS UNIT**	CO: 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO 400 PPMV NATURAL GAS (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 20 PPMV NATURAL GAS (4) [RULE 2005, 4-20-2001]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.2, D28.2, E80.1
BURNER, NATURAL GAS, POWER FLAME, MODEL CS-G-30, WITH LOW NOX BURNER, 6.5 MMBTU/HR					

- * (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 SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 6: EXTERNAL COMBUSTION BOILER					
HEATER, LIQUID HEATER NO. 2, NATURAL GAS, AMERICAN HEATER COMPANY, MODEL AHE-650, WITH LOW NOX BURNER, 6.5 MMBTU/HR WITH A/N: 347643	D176		NOX: PROCESS UNIT**	CO: 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 20 PPMV NATURAL GAS (4) [RULE 2005, 4-20-2001]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.2, D28.2, E80.2
BURNER, NATURAL GAS, POWER FLAME, MODEL C5-G-30, WITH LOW NOX BURNER, 6.5 MMBTU/HR					

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 6: EXTERNAL COMBUSTION BOILER					
HEATER, LIQUID HEATER NO. 3, NATURAL GAS, AMERICAN HEATER COMPANY, MODEL AHE-650, 6.5 MMBTU/HR WITH A/N: 347644 BURNER, NATURAL GAS, POWER FLAME, MODEL CS-G-30, WITH LOW NOX BURNER, 6.5 MMBTU/HR	D177		NOX: PROCESS UNIT**	CO: 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 20 PPMV NATURAL GAS (4) [RULE 2005, 4-20-2001]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D12.2, D28.2
Process 9: CONSUMER FLEET REFUELING					
STORAGE TANK, ABOVEGROUND, FIREGUARD (G-70-162-A). 5000 GALS; WIDTH: 7 FT 4 IN; HEIGHT: 3 FT 4 IN; LENGTH: 27 FT 4 IN A/N: 465761	D91				D330.1, E448.1, J109.1
FUEL DISPENSING NOZZLE, BALANCE TYPE PHASE II CONTROL, GASOLINE A/N: 465761	D92				D330.1, E448.1, J110.1, J373.5
Process 11: FUGITIVE EMISSIONS					
FUGITIVE EMISSIONS, DRAINS A/N: 298461	D174				

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 12: VAPOR RECOVERY SYSTEMS					
System 2: VAPOR RECOVERY SYSTEM 2 (SHALLOW ZONE)					
COMPRESSOR, VAPOR RECOVERY, ELECTRICALLY DRIVEN A/N: 298458	C151	D139 D140			
System 3: VAPOR RECOVERY SYSTEM 3 (SESNON STORAGE)					
COMPRESSOR, VAPOR RECOVERY, SESNON STORAGE, ELECTRICALLY DRIVEN A/N: 298458	C163	D25 D27 D29 D141 D142			
COMPRESSOR, VAPOR RECOVERY, ELECTRICALLY DRIVEN A/N: 298458	C152	D25 D27 D29 D141 D142			
System 4: VAPOR RECOVERY SYSTEM 4 (LIMEKILN)					
COMPRESSOR, VAPOR RECOVERY, LIMEKILN, ELECTRICALLY DRIVEN A/N: 420855	C164	D35 D36 C192			
COMPRESSOR, VAPOR RECOVERY, LIMEKILN, ELECTRICALLY DRIVEN A/N: 420855	C192	D35 D36 C164			
System 5: VAPOR RECOVERY SYSTEM 5 (PORTER GATHERING PLANT & WATER PLANT)					
COMPRESSOR, VAPOR RECOVERY, ELECTRICALLY DRIVEN A/N: 372096	C189	D31 D32 D33 D134 D136 D137 D138			
COMPRESSOR, VAPOR RECOVERY, ELECTRICALLY DRIVEN A/N: 372096	C190	D31 D32 D33 D134 D136 D137 D138			
System 6: VAPOR RECOVERY SYSTEM PORTABLE (INTRA-FACILITY)					

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 12: VAPOR RECOVERY SYSTEMS					
CARBON ADSORBER, WESTATES, MODEL 400, PORTABLE (INTRA-FACILITY), 400 LBS A/N: 482614	C195			H2S: 16 PPMV NATURAL GAS (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, H23.15, K67.3
CARBON ADSORBER, WESTATES, MODEL 400, PORTABLE (INTRA-FACILITY), 400 LBS A/N: 482614	C205			H2S: 16 PPMV NATURAL GAS (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, H23.15, K67.3
CARBON ADSORBER, WESTATES, MODEL 400, PORTABLE (INTRA-FACILITY), 400 LBS A/N: 499345	C206			H2S: 16 PPMV NATURAL GAS (5) [RULE 431.1, 5-6-1983]	D90.1, E153.1, H23.15, K67.3
CARBON ADSORBER, WESTATES, MODEL 400, PORTABLE (INTRA-FACILITY), 400 LBS A/N: 499345	C207			H2S: 16 PPMV NATURAL GAS (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, H23.15, K67.3
CARBON ADSORBER, WESTATES, MODEL 400, PORTABLE (INTRA-FACILITY), 400 LBS A/N: 499346	C208			H2S: 16 PPMV NATURAL GAS (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, H23.15, K67.3
CARBON ADSORBER, WESTATES, MODEL 400, PORTABLE (INTRA-FACILITY), 400 LBS A/N: 499346	C209			H2S: 16 PPMV NATURAL GAS (5) [RULE 431.1, 6-12-1998]	D90.1, E153.1, H23.15, K67.3
Process 13: BULK OIL LOADING FACILITY					
LOADING ARM, TANK TRUCK, CRUDE OIL, CONNECTED TO FLARE (FS-1), WITH SUBMERGED FILLING, 1 TOTAL; DIAMETER: 6 IN A/N: 441423	D168	C93			C1.5, E178.1
Process 14: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					

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

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 14: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E169			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 12-5-2003; RULE 1171, 8-2-2002; RULE 1171, 11-7-2003]	K67.7
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E171			VOC: (9) [RULE 1171, 8-2-2002; RULE 1171, 11-7-2003]	H23.5
RULE 219 EXEMPT EQUIPMENT, WELL HEADS AND PUMPS, OIL AND GAS	E172				
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E173				H23.2
Process 15: ARCHITECTURAL COATINGS					
SPRAY COATING OPERATION A/N: 171905	D193				C1.7, H23.12, K67.7

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

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

**FACILITY PERMIT TO OPERATE
SO CAL GAS CO (EIS USE)**

SECTION D: DEVICE ID INDEX

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

**FACILITY PERMIT TO OPERATE
 SO CAL GAS CO (EIS USE)
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	0
D2	2	1	0
D3	3	1	0
D4	4	1	0
D6	4	1	0
D7	5	1	0
D8	5	1	0
D9	5	1	0
D10	6	1	0
D14	6	1	0
D15	6	1	0
D16	7	1	0
D22	10	2	0
D23	10	2	0
D25	11	2	0
D27	11	2	0
D29	11	2	0
D31	11	2	0
D32	11	2	0
D33	11	2	0
D35	12	2	0
D36	12	2	0
C60	13	4	2
D61	13	4	2
D63	14	4	3
C65	14	4	3
D67	14	4	4
C69	14	4	4
D76	16	5	2
D77	16	5	2
C78	16	5	2
D83	17	6	0
D84	17	6	0
D91	20	9	0
D92	20	9	0

**FACILITY PERMIT TO OPERATE
 SO CAL GAS CO (EIS USE)
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
C93	15	5	1
D97	15	5	1
C98	16	5	2
D99	15	5	1
C100	15	5	1
D106	15	5	1
D108	16	5	2
D115	15	5	1
D116	16	5	1
D134	13	2	0
D136	13	2	0
D137	17	5	3
D138	17	5	3
D139	12	2	0
D140	12	2	0
D141	12	2	0
D142	12	2	0
C151	21	12	2
C152	21	12	3
C163	21	12	3
C164	21	12	4
D168	22	13	0
E169	23	14	0
E171	23	14	0
E172	23	14	0
E173	23	14	0
D174	20	11	0
D175	18	6	0
D176	19	6	0
D177	20	6	0
C181	1	1	0
C182	2	1	0
C183	3	1	0
C184	4	1	0
C189	21	12	5

**FACILITY PERMIT TO OPERATE
 SO CAL GAS CO (EIS USE)
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
C190	21	12	5
C192	21	12	4
D193	23	15	0
C195	22	12	6
D196	13	4	2
D197	14	4	3
D198	14	4	4
C199	13	4	2
C200	14	4	3
C201	15	4	4
D202	13	4	2
D203	14	4	3
D204	15	4	4
C205	22	12	6
C206	22	12	6
C207	22	12	6
C208	22	12	6
C209	22	12	6
D215	7	1	0
D217	8	1	0
D218	9	1	0
D219	10	1	0
C223	4	1	0
C224	5	1	0
C225	5	1	0
C226	5	1	0
C227	6	1	0

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

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

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

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

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

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

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]

PROCESS CONDITIONS

P13.1 All devices under this process are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1149, 7-14-1995]

[Processes subject to this condition : 2]

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.5 The operator shall limit the loading rate to no more than 2.10 MM gallons per month.

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

[Devices subject to this condition : D168]

C1.6 The operator shall limit the fuel usage to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

[RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]

[Devices subject to this condition : C93, C98]

C1.7 The operator shall limit the coating and solvent usage to no more than 6.5 gallon(s) per day.

[RULE 1113, 11-8-1996; RULE 1113, 6-9-2006]

[Devices subject to this condition : D193]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

C1.8 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

For the purpose of this condition, this limit shall include no more than 50 hours in any one year for maintenance and testing and no more than 4.2 hours in any one month for maintenance and testing.

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D215, D217, D218, D219]

C10.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is maintained between 750 and 1250 Deg F.

The operator shall monitor the temperature at the inlet of the non-selective catalytic reduction (NSCR) system. The temperature shall be measured based on a 4-hour rolling average.

[RULE 1110.2, 11-14-1997; 40CFR 63 Subpart ZZZZ, 4-20-2006]

[Devices subject to this condition : D1, D2, D3, D4]

D. Monitoring/Testing Requirements

D12.1 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 2012, 5-11-2001; RULE 2012, 12-5-2003; 40CFR 60 Subpart JJJJ, 1-18-2008]

[Devices subject to this condition : D215, D217, D218, D219]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

[RULE 2012, 5-11-2001; RULE 2012, 12-5-2003]

[Devices subject to this condition : D175, D176, D177]

D12.3 The operator shall install and maintain a(n) thermocouple to accurately indicate the presence of a flame at the pilot light.

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

[Devices subject to this condition : C93, C98]

D12.5 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the inlet to the NSCR.

[RULE 1110.2, 6-3-2005; 40CFR 63 Subpart ZZZZ, 4-20-2006]

[Devices subject to this condition : D1, D2, D3, D4]

D12.6 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D215, D217, D218, D219]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

The test shall be conducted to determine compliance with the CO emissions by either: (a) conducting a source test using District method 100.1 measured over a 30 minute averaging time, or (b) using a portable analyzer and a District-approved test method.

The test shall be conducted at least annually.

The test shall be conducted to determine the CO emissions at the outlet.

The test shall be conducted when the equipment is operating under normal conditions. No test shall be required in any one year for which the equipment is not in operation.

[RULE 1146, 5-13-1994; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D175, D176, D177]

D82.1 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.

[RULE 2012, 12-7-1995]

[Devices subject to this condition : D6, D7, D8, D9, D10]

D90.1 The operator shall periodically monitor the H2S concentration at the outlet according to the following specifications:

The operator shall monitor once during each odorant transfer.

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : C60, C65, C69, C195, C199, C200, C201, C205, C206, C207, C208, C209]

D90.2 The operator shall periodically monitor the VOC concentration at the outlet of the activated carbon adsorber according to the following specifications:

The operator shall monitor once every month.

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

[Devices subject to this condition : C78, C100]

D330.1 The operator shall have a person that has been trained in accordance with Rule 461 conduct a semi-annual inspection of the gasoline transfer and dispensing equipment. The first inspection shall be in accordance with Rule 461, Attachment B, the second inspection shall be in accordance with Rule 461, Attachment C, and the subsequent inspections shall alternate protocols. The operator shall keep records of the inspection and the repairs in accordance to Rule 461 and Section K of this Permit.

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

[Devices subject to this condition : D91, D92]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D83]

D332.2 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D84]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to an alternative, permitted air pollution control device whenever the equipment is disconnected from the primary vapor recovery control system.

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

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D25, D27, D29, D31, D32, D33, D35, D36, D134, D136, D137, D138, D139, D140, D141, D142]

E80.1 The operator shall not use this equipment when any of the following equipment are operating:

Device ID: D176 [Boiler, Liquid Heater No. 2, Natural gas, 6.5 MMBTU/HR]

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

[Devices subject to this condition : D175]

E80.2 The operator shall not use this equipment when any of the following equipment are operating:

Device ID: D175 [BOILER, LIQUID HEATER NO. 1, NATURAL GAS, 6.5 MMBTU/HR]

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

[Devices subject to this condition : D176]

E115.1 The operator shall maintain an automatic air-to-fuel ratio controller so as to regulate the air-to-fuel ratio within tolerance limits as recommended by the catalyst supplier or manufacturer.

[**RULE 1110.2, 6-3-2005; RULE 2012, 12-7-1995**]

[Devices subject to this condition : D1, D2, D3, D4]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E115.2 The operator shall maintain an automatic air-to-fuel ratio controller so as to regulate the air-to-fuel ratio within tolerance limits as recommended by the catalyst supplier or manufacturer.

[RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D215, D217, D218, D219]

E127.1 The operator shall keep gauge/sample hatches closed except during actual gauging/sampling operations.

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

[Devices subject to this condition : D25]

E153.1 The operator shall change over the carbon in the adsorber whenever saturation occurs.

SPENT CARBON REMOVED FROM THE SYSTEM SHALL BE STORED IN
CLOSED CONTAINERS PRIOR TO REMOVAL FROM SITE

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

[Devices subject to this condition : C195, C199, C200, C201, C205, C206, C207, C208, C209]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

an activated carbon filter

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[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 : D61, D63, D67, D196, D197, D198]

E175.2 The operator shall not use this equipment unless all exhaust air passes through the following:

A three way catalyst which is in full operation and which is in good operating condition at all times

[RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D215, D217, D218, D219]

E178.1 The operator shall load crude oil into tank trucks using bottom loading.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 462, 5-14-1999]

[Devices subject to this condition : D168]

E179.1 For the purpose of the following condition number(s), exhaust gases shall be defined as gases displaced during all phases of odorant transfer and during depressurization of the injection system.

Condition Number E 175- 1

[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 : D61, D63, D67, D196, D197, D198]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

E193.1 The operator shall restrict the operation of this equipment as follows:

NOx emissions from this equipment shall not exceed a maximum hour emissions limit for this equipment of 50 pounds per hour as measured and reported pursuant to Rule 2012. The purpose of this condition is to ensure compliance with Rule 2005 (d) where post-modification emissions must not exceed pre-modification maximum hourly potential to emit.

This condition is to reiterate ongoing AQMD's practice that equipment specified in the equipment description section represents maximum hourly rate. For this equipment, 150 mm btu/hr represents the maximum heat input rate for this turbine.

For the purposes of identification, an identification plate will be permanently affixed to each turbine displaying information that clearly identifies each turbine as follows:

Device No. D14, Turbine ID K-25, General Electric Identification No. 7LM1500-GB101

Device No. D15, Turbine ID K-26, General Electric Identification No. 7LM1500-GB102

Device NO. D16, Turbine ID K-27, General Electric Identification No. 7LM1500-GB101

[RULE 2005, 4-20-2001; RULE 2005, 5-6-2005; RULE 2012, 12-5-2003; RULE 2012, 1-7-2005]

[Devices subject to this condition : D14, D15, D16]

E448.1 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

a. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO OPERATE N19349(A/N 416051) SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE.

b. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE AQMD (ATTENTION: HEMANG DESAI) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR AQMD.

[RULE 461, 4-21-2000]

[Devices subject to this condition : D91, D92]

E448.2 The operator shall comply with the following requirements:

Performance testing for formaldehyde shall be conducted according to the procedures in Item 2 or 3, Table 4 of 40 CFR 63 Subpart ZZZZ after a catalyst change and according to the intervals in Item 4, Table 3 of 40 CFR 63 Subpart ZZZZ

In lieu of complying with the 2.7 ppmvd formaldehyde emission limit, the operator may comply with the requirement to reduce formaldehyde emissions by 76% or more (or by 75% or more, if applicable) and using NSCR, or limit the concentration of formaldehyde in the the exhaust to 350 ppbvd or less at 15% O2 and using NSCR

[40 CFR 63.6615 and 63.6620]

**FACILITY PERMIT TO OPERATE
 SO CAL GAS CO (EIS USE)**

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[40CFR 63 Subpart ZZZZ, 1-18-2008]

[Devices subject to this condition : D2]

E448.3 The operator shall comply with the following requirements:

The operator shall maintain the catalyst such that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst measured during the initial performance test or alternative load as approved by the administrator.

The operator shall measure the pressure drop across the catalyst once per month and shall demonstrate that such pressure drop is within the operating limitation established during the performance test.

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : D2]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	463

[RULE 463, 3-11-1994]

[Devices subject to this condition : D25, D27, D29, D31, D32, D33, D35, D36, D134, D136, D137, D138, D139, D140, D141, D142]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[Devices subject to this condition : E173]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1134

[RULE 1134, 8-8-1997]

[Devices subject to this condition : D14, D15, D16]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 7-11-1997; RULE 1122, 12-6-2002]

[Devices subject to this condition : E171]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.12 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1113

[RULE 1113, 11-8-1996; RULE 1113, 6-9-2006]

[Devices subject to this condition : D193]

H23.13 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Formaldehyde	40CFR63, SUBPART	ZZZZ

[40CFR 63 Subpart ZZZZ, 6-15-2004]

[Devices subject to this condition : D1, D2, D3, D4]

H23.14 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1110.2
ROG	District Rule	1110.2

[RULE 1110.2, 6-3-2005]

[Devices subject to this condition : D1, D2, D3, D4]

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

H23.15 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1149
VOC	District Rule	1176

When applicable, the VOC monitoring and testing frequency shall be in accordance with above mentioned rules. Records shall also be kept, in an approved format, to demonstrate compliance with above mentioned rules.

[RULE 1149, 7-14-1995; RULE 1176, 5-13-1994]

[Devices subject to this condition : C195, C205, C206, C207, C208, C209]

H23.16 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1110.2
VOC	District Rule	1110.2

whether or not explicitly stated on this permit, including, but not limited to, reporting, recordkeeping, monitoring, source testing, and other criteria defined in approved Rule 1110.2 (f)(1)(D) inspection and monitoring plan

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D6, D7, D8, D9, D10]

H23.17 This equipment is subject to the applicable requirements of the following rules or regulations:

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Contaminant	Rule	Rule/Subpart
H2S	District Rule	431.1

[RULE 431.1, 6-12-1998]

[Devices subject to this condition : D215, D217, D218, D219]

J. Rule 461

J109.1 The operator shall use, except for diesel transfer, the phase I vapor recovery system in full operation whenever this equipment is in use. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 4-21-2000; RULE 461, 1-9-2004]

[Devices subject to this condition : D91]

J110.1 The operator shall use, except for diesel transfer, the phase II vapor recovery system in full operation whenever gasoline from this equipment is dispensed to motor vehicles as defined in Rule 461. This system shall be installed, operated and maintained to meet all CARB certification requirements.

[RULE 461, 4-21-2000; RULE 461, 1-9-2004]

[Devices subject to this condition : D92]

J373.5 The operator shall comply with the following gasoline transfer and dispensing requirements:

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

a). The Phase II vapor recovery systems shall be installed, operated, and maintained such that the maximum allowable pressure through the system including nozzle, vapor hose, swivels, and underground piping does not exceed the dynamic back pressures described by the California Air Resources Board (CARB) Executive Order by which the system was certified:

Nitrogen Flowrates (CFH)	Dynamic Back Pressure (Inches of Water)
60	0.35
80	0.62

As required by AQMD Rule 461 or CARB Executive Order, dynamic back pressure tests shall be conducted to determine the Phase II system vapor recovery back pressures. The tests shall be conducted in accordance with CARB Test Procedure Method TP-201.4. Results shall be submitted to the AQMD, Engineering and Compliance, within seventy-two (72) hours of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the dynamic back pressure test.

The test shall be conducted as frequently as that required by the most recent amendment to Rule 461 or CARB Executive Order requirements, whichever is more stringent.

b). As required by AQMD Rule 461 or CARB Executive Order, a static pressure leak decay test shall be conducted to demonstrate that the storage tanks, the remote and/or nozzle vapor recovery check valves, associated vapor return piping and fittings are free from vapor leaks. The test shall be conducted in accordance with CARB Test Procedure Method TP-201.3. Results shall be submitted to the AQMD, Engineering and Compliance, within seventy-two (72) hours of the test.

The AQMD shall be notified by e-mail at R461testing@aqmd.gov or by facsimile at

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the static pressure leak decay test.

c). If the CARB Executive Order requires the installation of a liquid removal device, a liquid removal rate test shall be conducted to demonstrate the removal of gasoline from the vapor passage of the coaxial hose. The test shall be conducted within thirty days of initial installation and in accordance with CARB test procedure Method TP-201.6. Results shall be submitted to the AQMD, Engineering and Compliance, within seventy-two (72) hours of the test.

The AQMD shall be notified by e-mail at r461testing@aqmd.gov or by facsimile at telephone number (909) 396-3606 at least seventy-two (72) hours prior to testing. Such notification shall include the name of the owner or operator; the name of the contractors; the location of the facility; and the scheduled start and completion dates of the liquid removal rate test.

The testing frequency for the above mentioned tests shall be conducted in accordance with the most recent AQMD Rule 461 amendment or CARB Executive Order requirements, whichever is more stringent.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 461, 9-8-1995; RULE 461, 6-15-2001**]

[Devices subject to this condition : D92]

K. Record Keeping/Reporting

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

Weekly records of temperature to verify flare pilot light operation

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : C93, C98]

- K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):
- H2S concentration at the outlet, once per odorant transfer

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

[Devices subject to this condition : C60, C65, C69, C195, C199, C200, C201, C205, C206, C207, C208, C209]

- K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):
- VOC concentration at the outlet, on a monthly basis

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

[Devices subject to this condition : C78, C100]

- K67.7 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

[Devices subject to this condition : E169, D193]

K67.8 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Temperature at the inlet of catalyst

Differential pressure drop across the catalyst

[RULE 3004(a)(1), 12-12-1997; 40CFR 63 Subpart ZZZZ, 4-20-2006]

[Devices subject to this condition : D1, D2, D3, D4]

K67.9 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

AN ENGINE OPERATING LOG SHALL BE KEPT AND SHALL DOCUMENT THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS A) EMERGENCY USE, B) MAINTENANCE AND TESTING, AND C) OTHER (DESCRIBE REASON FOR OPERATION)

IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TIME METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION..

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; 40CFR 60 Subpart JJJJ, 1-18-2008]

[Devices subject to this condition : D215, D217, D218, D219]

K67.10 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

THE GAS OPERATION POWER SHUTOFF (GOPS) WEATHER PARAMETERS SHALL BE REVIEWED ONCE ANNUALLY BY THE ALISO CANYON STORAGE FACILITY STAFF AND SOCALGAS' ENGINEERING DEPARTMENT TO DETERMINE IF SUCH PARAMETERS NEED REVISION OR DELETION, OR IF NEW PARAMETERS SHOULD BE INCLUDED. AN AMENDED PERMIT TO CONSTRUCT/OPERATE SHALL BE SUBMITTED TO AQMD IF REVISIONS ARE INCORPORATED INTO THE EXISTING GOPS HAZARDOUS WEATHER PARAMETERS

AT THE TIME OF GOPS DECLARATION, THE GAS CONTROL DEPARTMENT SUPERVISOR WILL NOTIFY THE ON DUTY SUPERVISOR FOR ALISO CANYON STORAGE FACILITY OF THE OCCURRENCE OF SUCH EVENT. THE ALISO CANYON ON-DUTY SUPERVISOR WILL RECORD TIME AND DATE OF NOTIFICATION AND ACTUAL TIME TO FULLY IMPLEMENT GOPS. WRITTEN RECORDS OF DATE, TIME, AND SUPERVISORY NOTIFICATIONS SHALL BE MAINTAINED AND KEPT ON FILE FOR A PERIOD OF 5 YEARS AND SHALL BE MADE AVAILABLE TO AQMD STAFF UPON REQUEST

UPON START-UP OF EACH EMERGENCY ELECTRICAL GENERATOR, THE ALISO CANYON FACILITY OPERATIONS PERSONNEL SHALL KEEP WRITTEN RECORDS OF THE DATE AND TIME OF THE INITIAL START-UP AS WELL AS THE TOTAL OPERATIONAL TIME OF EACH GENERATOR. SOCALGAS SHALL MAINTAIN THESE RECORDS FOR A PERIOD OF 5 YEARS AND MAKE SUCH RECORDS AVAILABLE TO AQMD STAFF UPON REQUEST

GAS CONTROL DEPARTMENT WILL MONITOR WIND SPEED AND UPON TWO CONSECUTIVE HOURS THAT WIND SPEED READINGS OF 21 MPH OR LESS HAS BEEN ACHIEVED, THE GAS CONTROL DEPARTMENT WILL NOTIFY THE ON-DUTY SUPERVISOR THAT THE GOPS EVENT IS OVER

UPON TERMINATION OF THE GOPS EVENT AND WHEN IT IS SUBSEQUENTLY DEEMED SAFE, SOCALGAS SHALL CONDUCT A COMPLETE VISUAL INSPECTION OF THE OVERHEAD LINES AND POWER POLES USING QUALIFIED PERSONNEL TO ENSURE THAT THERE IS NO DAMAGE TO THE GRID, POWER POLES, OR ANY UNSAFE CONDITIONS. THE VISUAL

FACILITY PERMIT TO OPERATE SO CAL GAS CO (EIS USE)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

INSPECTION PERIOD SHALL NOT EXCEED 8 HOURS. THE ON DUTY SUPERVISOR SHALL KEEP WRITTEN RECORDS OF THE DATE, TIME, ELAPSED TIME, AND NATURE OF THE REPAIRS MADE.

THE RECORDS SHALL BE MAINTAINED FOR A PERIOD OF 5 YEARS AND SHALL BE MADE AVAILABLE TO AQMD STAFF UPON REQUEST

THE ON-DUTY SUPERVISOR SHALL NOTIFY THE GAS CONTROL DEPARTMENT OF THE DATE AND TIME OF THE RE-ENERGIZING OF THE ELECTRICAL GRID AND THE SHUTDOWN OF EACH EMERGENCY ELECTRICAL GENERATOR. THE ON-DUTY SUPERVISOR WILL ALSO RECORD THE DATE AND TIME THE STORAGE FIELD RE-ENERGIZED THE FIELD.

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

[Devices subject to this condition : D215, D217, D218, D219]

**FACILITY PERMIT TO OPERATE
SO CAL GAS CO (EIS USE)**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 8	PAGE 1
	APPL. NO. 544431	DATE 3/1/2013
	PROCESSED BY Ken Coats	

PERMIT TO OPERATE

COMPANY NAME AND ADDRESS

Contact: John P. Clarke, (818) 700-3812

Southern California Gas Company
 12801 Tampa Avenue
 Northridge, CA 91326
 SCAQMD ID #800128

EQUIPMENT LOCATION

Same As Above

EQUIPMENT DESCRIPTION

Section D of the facility permit:

Equipment	ID No	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, GENERAC. MODEL 6.8GNGD-100. NATURAL GAS FIRED, NATURALLY ASPIRATED, RICH BURN, 10 CYLINDERS, 147 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR WITH THREE-WAY CATALYST, GENERAC. MODEL NO: 0D5027A AIR/FUEL RATIO CONTROLLER, MODEL NO: 0H2957B A/N: <u>525231-544431</u>	D215		NOx: PROCESS UNIT	CO: 2.0 GM/BHP_HR (4)[RULE 1703(a)(2) PSD BACT] NOx: 1.5 GM-BHP-HR (4) [RULE 1703(a)(2)-PSD BACT] NOx: 394.86 LBMMCF (1) [RULE 2012] VOC: 1.0 GM/BHP-HR (4) [RULE 1303(a)-BACT, 40 CFR 60 Subpart JJJ]	CI.8, D12.6, E115.2, E175.2, H23.7, I296.1, K67.9, <u>K67.10</u>

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 8	PAGE 2
	APPL. NO. 544431	DATE 3/1/2013
	PROCESSED BY Ken Coats	

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, GENERAC, MODEL 6.8GNGD-100, NATURAL GAS FIRED, NATURALLY ASPIRATED, RICH BURN, 10 CYLINDERS, 147 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR WITH THREE-WAY CATALYST, GENERAC, MODEL NO: 0D5027A AIR/FUEL RATIO CONTROLLER, MODEL NO: 0H2957B A/N: 525233 <u>544433</u>	D217		NOx: PROCESS UNIT	CO: 2.0 GM/BHP_HR (4)[RULE 1703(a)(2) PSD BACT] NOx: 1.5 GM-BHP-HR (4) [RULE 1703(a)(2)-PSD BACT] NOx: 394.86 LBMMCF (1) [RULE 2012] VOC: 1.0 GM/BHP-HR (4) [RULE 1303(a)-BACT, 40 CFR 60 Subpart JJJ]	C1.8, D12.6, E115.2, E175.2, H23.7, I296.1, K67.9, <u>K67.10</u>
INTERNAL COMBUSTION ENGINE, GENERAC, MODEL 6.8GNGD-130, NATURAL GAS FIRED, NATURALLY ASPIRATED, RICH BURN, 10 CYLINDERS, 189 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR WITH THREE-WAY CATALYST, GENERAC, MODEL NO: 0D5027A AIR/FUEL RATIO CONTROLLER, MODEL NO: 0H2957B A/N: 525334 <u>544434</u>	D218		NOx: PROCESS UNIT	CO: 2.0 GM/BHP_HR (4)[RULE 1703(a)(2) PSD BACT] NOx: 1.5 GM-BHP-HR (4) [RULE 1703(a)(2)-PSD BACT] NOx: 349.64 LBMMCF (1) [RULE 2012] VOC: 1.0 GM/BHP-HR (4) [RULE 1303(a)-BACT40 CFR 60 Subpart JJJ]	C1.8, D12.6, E115.2, E175.2, H23.7, I296.2, K67.9, <u>K67.10</u>
INTERNAL COMBUSTION ENGINE, GENERAC, MODEL 13.3 GTA-250, NATURAL GAS FIRED, TURBOCHARGED, AFTERCOOLED, RICH BURN, 6 CYLINDERS, 385 BHP, DRIVING AN EMERGENCY ELECTRICAL GENERATOR WITH THREE-WAY CATALYST, GENERAC, MODEL NO: 0H1725 AIR/FUEL RATIO CONTROLLER, MODEL NO: 0H2957B A/N: 525335 <u>544435</u>	D219		NOx: PROCESS UNIT	CO: 2.0 GM/BHP_HR (4)[RULE 1703(a)(2) PSD BACT] NOx: 1.5 GM-BHP-HR (4) [RULE 1703(a)(2)-PSD BACT] NOx: 369.13 LBMMCF (1) [RULE 20(2)] VOC: 1.0 GM/BHP-HR (4) [RULE 1303(a)-BACT, 40 CFR 60 Subpart JJJ]	C1.8, D12.6, E115.2, E175.2, H23.7, I296.3, K67.9, <u>K67.10</u>

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 8	PAGE 3
	APPL. NO. 544431	DATE 3/1/2013
	PROCESSED BY Ken Coats	

Equipment	ID No	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
Process 2: PETROLEUM STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF NO 7-9, SGT-9A, VENTED TO VAPOR RECOVERY SYSTEM, 4,000 BBL, DIAMETER: 35 FT, HEIGHT: 24 FT A/N: C08883-542734	D27	C152 C163			E57.1, H23.1
STORAGE TANK, FIXED ROOF, 034023 PWIT-55A, CRUDE OIL, VENTED TO VAPOR RECOVERY, 3,000 BBL, DIAMETER: 29 FT 8 IN, HEIGHT: 24 FT A/N: 372095 542733	D134	C189 C190			E57.1 H23.1

FACILITY BACKGROUND

Southern California Gas Company's (SoCalGas) Aliso Canyon Storage Facility is a RECLAIM and Title V facility and is an underground natural gas storage and production site located in a remote area of the Santa Susanna Mountains in the northwest portion of the San Fernando Valley. The facility covers approximately 3,600 acres and is located in both the city and county of Los Angeles. The southern portion of the facility borders the neighborhood of Porter Ranch. Because of the remoteness of this location, the Aliso Canyon facility maintains its own electrical grid and receives the bulk of its power from a feed line from Southern California Edison. Under routine and normal operating conditions, the power from the electrical grid provides electrical service to the site as well as the means to operate a total of four electrically driven compressors located at the facility, three of which are vapor recovery compressors, and the fourth compressor which is used to move produced gas out of the field to downstream customers via the facility's low pressure gas system.

During imminent fire hazards due to high winds, gusty winds and/or low humidity at the Aliso Canyon facility, SoCalGas temporarily shuts down the electrical grid as a preventative measure to ensure the safety of their staff and to reduce the chance for the main overhead electrical lines breaking and being the potential cause of a fire. During such hazardous wind events, in lieu of drawing electrical power from the overhead power lines of the existing electrical grid, SoCalGas operates four (4) natural gas fired emergency electrical generators to use as the source of back-up power in order to continue to operate the four compressors and meet customer demand and other legal requirements. These engines received Permits to Operate as shown in Table 1 below:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 8	PAGE 4
	APPL. NO. 544431	DATE 3/1/2013
	PROCESSED BY Ken Coats	

Table 1: Permits to Operate

A/N	P/N	Equipment Description	Permit Issuance Date
525332	G16650	Emergency IC Engine 50-500 bhp	2/1/2012
525333	G16652	Emergency IC Engine 50-500 bhp	2/1/2012
525334	G16651	Emergency IC Engine 50-500 bhp	2/1/2012
525335	G16649	Emergency IC Engine 50-500 bhp	2/1/2012
525338	N/A	Title V Minor Permit Revision	2/1/2012

NEW APPLICATIONS

SoCalGas submitted four applications on 12/6/2012 for change of conditions for the above ic engines to streamline the existing language in Permit Condition K67.10 to provide additional clarification and simplify language regarding the self-imposed notification requirements and communications during a Gas Operations Power Shutoff (GOPS) process at Aliso Canyon. In addition, SoCalGas submitted two applications for change of conditions to two storage tanks to re-name the identification numbers on the tanks. The six applications are shown in Table 2 below:

Table 1: Permits to Operate

A/N	Equipment Description	Permit Processing Fee
544431	Emergency IC Engine 50-500 bhp	\$710.82
544433	Emergency IC Engine 50-500 bhp	\$355.41
544434	Emergency IC Engine 50-500 bhp	\$355.41
544435	Emergency IC Engine 50-500 bhp	\$355.41
542734	Storage Tank, Fixed Roof	\$710.82
542733	Storage Tank, Fixed Roof	\$355.41
545226	Title V Minor Permit Revision	\$1,789.12
Total Permit Processing Fee		\$4,632.40

COMPLIANCE RECORD

A review of the District compliance database indicates that there are no outstanding Notices of Violation (NOV) or Notices to Comply (NC) for this facility.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 8	PAGE 5
	APPL. NO. 544431	DATE 3/1/2013
	PROCESSED BY Ken Coats	

PROCESS DESCRIPTION

Condition K67.10 specifically outlines the procedures and requirements that the Aliso Canyon Storage Facility will adhere to during the occurrence of a wind-related GOPS event. If a GOPS event is declared and the electrical grid is shut down for safety reasons, the procedures outlined in Condition K67.10 will apply. To streamline and simplify the GOPS procedures, SoCalGas is proposing the following administrative amendments to Condition K67.10 shown below:

K67.10 The gas operation power shutoff (GOPS) weather parameters shall be reviewed once annually by the Aliso Canyon Storage Facility staff and SoCalGas' Engineering Department to determine if such parameters need revision or deletion, or if new parameters should be included. An amended Permit to Construct /Operate shall be submitted to AQMD if revisions are incorporated into the existing GOPS hazardous weather parameters.

At the time of GOPS declaration, the Gas Control Department Supervisor will ~~record the date and time of such event and~~ will notify the on-duty supervisor for Aliso Canyon Storage Facility of the occurrence of such event. The Aliso Canyon on-duty supervisor will record time and date of notification and actual time to fully implement GOPS. Written records of date, time, and supervisory notifications shall be maintained and kept on file for a period of 5 years and shall be made available to AQMD staff upon request.

~~At the time of GOPS declaration, the Gas Control Department Supervisor will notify SoCalGas Senior Management of the occurrence of the GOPS event. Written records of supervisory notifications shall be maintained and kept on file for a period of 5 years and shall be made available to AQMD staff upon request.~~

Upon start-up of each emergency electrical generator, the Aliso Canyon Facility operations personnel shall keep written records of the date and time of initial start-up as well as the total operational time of each generator. SoCalGas shall maintain these records for a period of 5 years and make such records available to AQMD staff upon request.

~~Gas Control Department shall monitor wind speed and shall notify the Aliso Canyon Supervisor when the first observation is made that the wind speed is less than 21 mph, and shall make a written record of such observation.~~

Gas Control Department will ~~continue to monitor wind speed and upon~~ for a period of two consecutive hours after the initial that wind speed readings of 21mph or less has been achieved, the Gas Control Department will notify the on-duty supervisor that the GOPS event is over.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT	PAGES 8	PAGE 6
	APPL. NO. 544431	DATE 3/1/2013
STATIONARY SOURCE COMPLIANCE	PROCESSED BY Ken Coats	
APPLICATION PROCESSING AND CALCULATIONS		

Upon termination of the GOPS event and when it is subsequently deemed safe, SoCalGas shall conduct a complete visual inspection of the overhead lines and power poles using qualified personnel to ensure that there is no damage to the grid, power poles, or any unsafe conditions. The visual inspection period shall not exceed 8 hours. The on-duty supervisor shall keep written records of the date, time, elapsed time, and nature of the repairs made.

The records shall be maintained for a period of 5 years and shall be made available to AQMD staff upon request.

The on-duty supervisor shall notify the Gas Control Department of the date and time of the re-energizing of the electrical grid and the shutdown of each emergency electrical generator. The on-duty supervisor will also record the date and time the storage field re-energized the field.

In addition to the amendments to Condition K67.10, SoCalGas also proposes to re-name the two storage tanks identified by Devices D27 and D134 in the Facility Permit as shown in the Equipment Description.

EMISSIONS

The emissions from each engine are shown in the tables below, and were calculated in the previously submitted initial applications.

Table 2 Generac Model 6.8GNGD-100 Mass Emission Rates

Pollutant	EF Value	EF Unit	BHP	lb/hr	lb/year	lb/month	30DA
NOx	1.5	gm/bhp-hr	147	0.49	97.14	8.09	0
CO	0.19	gm/bhp-hr	147	0.06	3.08	0.26	0
VOC	0.11	gm/bhp-hr	147	0.04	1.78	0.15	0
PM10	0.0066	lb/MMBTU	147	0.01	0.43	0.04	0
SOx	0.25	gr/100 scf	147	0.08	4.13	0.34	0

Table 3 Generac Model 6.8GNGD-130 Mass Emission Rates

Pollutant	EF Value	EF Unit	BHP	lb/hr	lb/year	lb/month	30DA
NOx	1.5	gm/bhp-hr	189	0.62	124.89	10.41	0
CO	0.50	gm/bhp-hr	189	0.21	10.41	0.87	0
VOC	0.17	gm/bhp-hr	189	0.07	3.54	0.29	0
PM10	0.0066	lb/MMBTU	189	0.01	0.62	0.05	0
SOx	0.25	gr/100 scf	189	0.12	6.00	0.50	0