

South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

December 15, 2011

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 its Title V permit by the addition of the following equipment:

A/N	Equipment Description
525332	Emergency Electrical Generator, 147 bhp
525333	Emergency Electrical Generator, 147 bhp
525334	Emergency Electrical Generator, 189 bhp
525335	Emergency Electrical Generator, 385 bhp

This proposed permit revision is considered as a “de minimis permit revision” to their Title V (A/N 525338) permit. Attached for your review is the evaluation and permit for this proposed revision. With your receipt of the proposed revision today, we will note that the EPA 45-day review period begins on December 15, 2011.

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,

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

cc: Noel Muyco, Sempra Energy

BLY:AYL:JTY:KLC
Attachments

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 1
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

PERMIT TO CONSTRUCT/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:

Process 1: INTERNAL COMBUSTION					
Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
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: 525332	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: 1.5 GM/BHP-HR (4) [RULE 1303(a)-BACT]	C1.8, D12.6, E115.2, E175.2, H23.7, I296.1, K67.9, K67.10

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 2
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

Process 1: INTERNAL COMBUSTION					
Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions And Requirements	Conditions
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: 525333	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: 1.5 GM/BHP-HR (4) [RULE 1303(a)-BACT]	C1.8, D12.6, E115.2, E175.2, H23.7, I296.1, K67.9, K67.10
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	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: 1.5 GM/BHP-HR (4) [RULE 1303(a)-BACT]	C1.8, D12.6, E115.2, E175.2, H23.7, I296.2, K67.9, K67.10
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	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 2012] VOC: 1.5 GM/BHP-HR (4) [RULE 1303(a)-BACT]	C1.8, D12.6, E115.2, E175.2, H23.7, I296.3, K67.9, K67.10

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 3
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

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.

COMPLIANCE RECORD

A review of the District compliance database reveals that there were two (2) compliance actions taken against the Aliso Canyon facility, both issued on 5/25/2001 for actions which occurred on 4/3/2001. NC (C70459) was issued to SoCalGas to submit process source data electronically for the first quarter of 2000 and to report emissions data from the flare C-93 as process unit electronically and on all required written reports. NOV (P28714) was issued for failure to report electronic daily total NOx emissions from all eight of its major sources for three days during the previous compliance period. Both actions have been corrected and noted as in compliance (INCOMP) in the AQMD database. There are no additional outstanding NOV or NCs.

NEW APPLICATIONS

During imminent fire hazards due to high winds, gusty winds and/or low humidity at the Aliso Canyon facility, SoCalGas proposes to temporarily shut 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 events, in lieu of drawing electrical power from the overhead power lines of the existing electrical grid, SoCalGas proposes to install and operate 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. SoCalGas has submitted a total of five applications to AQMD for Permit to Construct/Operate the four emergency electrical generators plus an application for a Title V Minor Modification to their Facility Permit. Table 1 below lists the new applications:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 4
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

Table 1: Applications for Permit to Construct/Operate plus Title V Minor Modification

A/N	Equipment Description	Date Submitted
525332	Emergency IC Engine 50-500 bhp	7/20/2011
525333	Emergency IC Engine 50-500 bhp	7/20/2011
525334	Emergency IC Engine 50-500 bhp	7/20/2011
525335	Emergency IC Engine 50-500 bhp	7/20/2011
525336	Title V Minor Permit Revision	7/20/2011

EMERGENCY is defined by AQMD Rule 118 as any sudden, unexpected occurrence involving a clear and imminent danger, demanding immediate action to prevent or mitigate the loss of, or damage to, life, health, property, or essential public services.

EMERGENCY USE as defined in AQMD Rule 1470 means providing electrical power or mechanical work during any of the following events:

- (A) The failure or loss of all or part of normal electrical power service or normal natural gas supply to the facility:
 - (i) which is caused by any reason other than the enforcement of a contractual obligation the owner or operator has with a third party or any other party; and
 - (ii) which is demonstrated by the owner or operator to the Executive Officer's satisfaction to have been beyond the reasonable control of the owner or operator.

- (B) The failure of a facility's internal power distribution system:
 - (i) which is caused by any reason other than the enforcement of a contractual obligation the owner or operator has with a third party or any other party; and
 - (ii) which is demonstrated by the owner or operator to the Executive Officer's satisfaction to have been beyond the reasonable control of the owner or operator;

EMERGENCY EQUIPMENT as defined in AQMD Rule 1304(a)(4) means the source is exclusively used as emergency standby equipment for nonutility electrical power generation or any other emergency equipment as approved by the Executive Officer or designee, provided the source does not operate more than 200 hours per year as evidenced by an engine-hour meter or equivalent method.

PROCESS DESCRIPTION

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 5
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

SoCalGas has identified certain meteorological conditions and events as fire hazards during periods when the electrical grid is in operation. Such hazardous conditions and events include any of the National Weather Service (NWS) Red Flag Criteria, as outlined below (items 1-4) and any additional criteria as established and deemed necessary by SoCalGas:

NWS Red Flag Criteria (for all zones except the Antelope Valley) requires the presence of dry fuels and any one of the following criteria:

1. Relative humidity of 15% or less with sustained winds greater than or equal to 25 mph or frequent gusts greater than or equal to 35 mph for a period of 6 continuous hours or more.
2. Relative humidity of 10% or less with either sustained winds greater than or equal to 15 mph or frequent gusts greater than or equal to 25 mph for a period of 6 continuous hours or more.
3. The presence of widespread and/or significant dry lightning conditions
4. Additional but significant meteorological and/or fuel conditions deemed hazardous by the appropriate local agency(s).

SoCalGas intends to de-energize their electrical grid and use the emergency electrical generators as the primary means of providing electricity to operate the compressors and other electrical needs at the facility during hazardous weather conditions. As such, SoCalGas has identified five hazardous weather parameters and has developed a written protocol for de-energizing the electrical grid when such hazardous weather is present. This protocol is referred to as the Gas Operation Power Shutoff (GOPS), and will be followed in the event the electrical grid needs to be de-energized due to hazardous weather.

The Gas Control Department is solely responsible for continuously monitoring the NWS, Impact Weather (a regional weather reporting service) and other appropriate weather reporting sources and meteorologists and obtaining the most current weather information for Aliso Canyon. The Gas Control Department will immediately declare a GOPS event for Aliso Canyon Storage Facility if all five hazardous weather parameters listed in Table 2 below exist simultaneously at the facility:

Table 2: Five Hazardous Weather Parameters (as identified by SoCalGas)

Dead Fuel Moisture	≤ 10 percent
Live Fuel Moisture	≤ 75 percent
Relative Humidity	≤ 20 percent
NWS Red Flag Criteria	As issued by the National Weather Service
Wind Speed	Winds (sustained) ≥ 30 mph or Winds (sustained) ≥ 25 mph and gusts (sustained) ≥ 55mph

SoCalGas will also adhere to the following procedures and requirements concerning the GOPS protocol and will adhere to these procedures and requirements during a GOPS event:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 6
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

1. 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. 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.
2. 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.
3. The GOPS hazardous weather parameters (shown in Table 2 above) shall be reviewed once annually by the Aliso Canyon Storage Facility staff, SoCalGas' Engineering Department, National Oceanic and Atmospheric Administration (NOAA), and LA County and City Fire Departments 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.
4. The emergency electrical generators shall only be operated in accordance with the manufacturer's specifications and only when a GOPS event has been declared by the Gas Control Department Supervisor.
5. 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.
6. Gas Control Department will monitor wind speed and will notify the Aliso Canyon supervisor when the first observation is made that the wind speed is less than 21 mph.
7. Gas Control Department will continue to monitor wind speed for a period of two consecutive hours after the initial wind speed reading of 21 mph or less. After the second wind speed reading of 21 mph or less is recorded, the Gas Control Department will notify the on-duty supervisor that the GOPS event over.
8. Upon termination of the GOPS event, 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 towers, 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.
9. Upon re-energizing of the electrical grid, the emergency electrical generators shall be shut down. The on-duty supervisor shall keep written records of the date and time of the re-energizing of the electrical grid and the shutdown of each emergency electrical generator. The records shall be maintained for a period of 5 years and shall be made available to AQMD staff upon request.
10. The un-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.

EMISSIONS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 7
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

Tables 3 through 5 below show the engine data for the three types of engines proposed for installation at Aliso Canyon Storage Facility. Note that there are a total of four emergency electrical generator engines proposed for installation, however, two of these engines are the Generac Model 6.8GNGD-100 rated at 147 bhp and shown in Table 3 below. Note since the facility is in RECLAIM, the NOx emissions are based on a maximum PTE at 200 hr/yr of operation for purposes of determining the required RTCs. The rest of the criteria pollutants are based on 50 hr/yr of operation.

Table 3 Engine Data: Generac Model 6.8GNGD-100 (147 bhp)

Parameter	Value	Unit	Source
Operating Schedule	1	hrs/day	Default
	1	day/wk	
	4.2	hrs/mo	
	50/200	hrs/yr	
Rating	147	bhp	NOx: BACT Rest: Manufacturer
NOx EF	1.5	gm/bhp-hr	
CO EF	0.19		
VOC EF	0.11		

Table 4 Engine Data: Generac Model 6.8GNGD-130 (189 bhp)

Parameter	Value	Unit	Source
Operating Schedule	1	hrs/day	Default
	1	day/wk	
	4.2	hrs/mo	
	50/200	hrs/yr	
Rating	189	bhp	NOx: BACT Rest: Manufacturer
NOx EF	1.5	gm/bhp-hr	
CO EF	0.50		
VOC EF	0.17		

Table 5 Engine Data: Generac Model 13.3 GTA-250 (385 bhp)

Parameter	Value	Unit	Source
Operating Schedule	1	hrs/day	Default
	1	day/wk	
	4.2	hrs/mo	
	50/200	hrs/yr	
Rating	385	bhp	NOx: BACT Rest: Manufacturer
NOx EF	1.5	gm/bhp-hr	
CO EF	0.55		
VOC EF	0.11		

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 8
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

Table 6 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 7 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

Table 8 Generac Model 13.3 GTA-250 Mass Emission Rates

Pollutant	EF Value	EF Unit	BHP	lb/hr	lb/year	lb/month	30DA
NOx	1.5	gm/bhp-hr	385	1.27	254.41	21.20	1
CO	0.55	gm/bhp-hr	385	0.47	23.32	1.94	0
VOC	0.11	gm/bhp-hr	385	0.04	2.10	0.18	0
PM10	0.0066	lb/MMBTU	385	0.02	1.19	0.10	0
SOx	0.25	gr/100 scf	385	0.23	11.58	0.97	0

RULES EVALUATION

RULE 212 – STANDARDS FOR APPROVING PERMITS

This equipment is not located within 1,000 feet of a school, the maximum MICR is not expected to increase as a result of the installation of the emergency electrical generators, and there is no increase in criteria pollutant emissions. Therefore, no public notice is required.

RULE 401 – VISIBLE EMISSIONS

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 9
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

Visible emissions are not expected under normal operation of this equipment.

RULE 402 – NUISANCE

Nuisance problems are not expected under normal operation of this equipment.

RULE 407–LIQUID AND GASEOUS AIR CONTAMINANTS

CO and NOx emission limits s will be in compliance with the use of natural gas.

RULE 431.1 – SULFUR CONTENT OF GASEOUS FUELS

Pipeline quality natural gas will be used in the emergency electrical generators which will comply with rule requirements

RULE 1110.2 – EMISSIONS FROM GASEOUS AND LIQUID FUELED ENGINES

The engine will operate on an emergency basis for less than 200 hours per year, which will be verified with an elapsed time meter, therefore, the equipment is exempt from the requirements of this rule.

NEW SOURCE REVIEW (NSR)

The following section describes the NSR analysis for this project and it will be evaluated for compliance with the rules below.

RULE 1303(a) – BACT

SoCalGas is a Title V facility. As such LAER is required for each of the proposed emergency electrical generators. LAER for spark-ignited natural gas emergency electrical generators is based on emission levels and controls which are achieved in practice at the time of permit issuance. Current LAER requirements are listed in Tables 9-11 below.

Table 9 Generac Model 6.8GNGD-100

Pollutant	Current LAER Requirements	Proposed by Applicant	Comply (Yes/No)
VOC	1.5 gm/bhp-hr	0.11 gm/bhp-hr	Yes
PM10	AQMD Clean Fuels Policy	Pipeline Quality Natural Gas w/ S content < 1 gr/100 scf	Yes
SOx	AQMD Clean Fuels Policy	Pipeline Quality Natural Gas w/ S content < 1 gr/100 scf	Yes

Table 10 Generac Model 6.8GNGD-130

Pollutant	Current LAER Requirements	Proposed by Applicant	Comply (Yes/No)
VOC	1.5 gm/bhp-hr	0.17 gm/bhp-hr	Yes
PM10	AQMD Clean Fuels Policy	Pipeline Quality Natural Gas w/ S content < 1 gr/100 scf	Yes
SOx	AQMD Clean Fuels Policy	Pipeline Quality Natural Gas w/ S content < 1 gr/100 scf	Yes

Table 11 Generac Model 13.3GTA-250

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 10
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

Pollutant	Current LAER Requirements	Proposed by Applicant	Comply (Yes/No)
VOC	1.5 gm/bhp-hr	0.11 gm/bhp-hr	Yes
PM10	AQMD Clean Fuels Policy	Pipeline Quality Natural Gas w/ S content < 1 gr/100 scf	Yes
SOx	AQMD Clean Fuels Policy	Pipeline Quality Natural Gas w/ S content < 1 gr/100 scf	Yes

RULE 1303(b)(1) – MODELING

The emergency electrical generators are exempt under Rule 1304(a)(4)

RULE 1303(b)(2) – OFFSETS

The emergency electrical generators are exempt under Rule 1304(a)(4)

RULE 1401– NEW SOURCE REVIEW FOR TOXIC AIR CONTAMINANTS

The requirements of this rule are not required for emergency equipment. Therefore, the emergency electrical generators are exempt under Rule 1401(g)(1)(F).

RULE 1703 – PSD ANALYSIS

Rule 1703(a)(2) requires each emergency electrical generator be constructed using BACT for each attainment air contaminant (CO) for which there is a net emission increase. The BACT requirements for CO as well as the applicant's BACT proposals for the equipment are listed in Tables 12-14 below: As shown below, the equipment will comply with PSD BACT requirements for major sources.

Table 12 - Generac Model 6.8GNGD-100

Pollutant	AQMD BACT Requirements	Proposed BACT	Comply (Yes/No)
CO	2.0 gm/bhp-hr	0.19 gm/bhp-hr	Yes

Table 13 - Generac Model 6.8GNGD-130

Pollutant	AQMD BACT Requirements	Proposed BACT	Comply (Yes/No)
CO	2.0 gm/bhp-hr	0.50 gm/bhp-hr	Yes

Table 14 - Generac Model 13.3GTA-250

Pollutant	AQMD BACT Requirements	Proposed BACT	Comply (Yes/No)
CO	2.0 gm/bhp-hr	0.55 gm/bhp-hr	Yes

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 11
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

RULE 2005 – NSR for RECLAIM

BACT – SoCalGas is in RECLAIM and as such is subject to the BACT requirements for NOx. Since this facility is also a Major Source, BACT is implemented through federal LAER. An emergency natural gas fired ic engine was permitted under A/N 359876 for Orange County Flood Control District with the following emission limits (NOx = 0.15 gm/bhp-hr, ROG = 0.15 gm/bhp-hr and CO = 0.6 gm/bhp-hr), however, this emergency engine has not been tested to meet these lower emission limits. Therefore, NOx LAER for spark-ignited natural gas emergency electrical generators is therefore based on emission levels and controls which are currently achieved in practice at the time of permit issuance. Current NOx LAER requirements are listed in Tables 15-17 for each emergency electrical generator.

Table 15 Generac Model 6.8GNGD-100

Pollutant	Current BACT Requirements	Proposed by Applicant	Comply (Yes/No)
NOx	1.5 gm/bhp-hr	0.31 gm/bhp-hr	Yes

Table 16 Generac Model 6.8GNGD-130

Pollutant	Current BACT Requirements	Proposed by Applicant	Comply (Yes/No)
NOx	1.5 gm/bhp-hr	0.01 gm/bhp-hr	Yes

Table 17 Generac Model 13.3GTA-250

Pollutant	Current BACT Requirements	Proposed by Applicant	Comply (Yes/No)
NOx	1.5 gm/bhp-hr	0.03 gm/bhp-hr	Yes

RULE 2012 – Requirements for Monitoring, Reporting and Recordkeeping for Oxides of Nitrogen (NOx) Emissions

The facility is a major source for NOx and is required to comply with the monitoring, reporting and recordkeeping requirements for process units. Compliance is expected.

Regulation XXX – Title V

The facility is currently subject to the Title V requirements. Since the proposed change of conditions is a minor modification, the facility is subject to a 45-day EPA review.

CONCLUSION:

Based upon the AQMD definitions of “emergency” and “emergency use” described in this evaluation and based upon the planned operation of the proposed electrical generators as described by SoCalGas, it is concluded the equipment will meet the definition of emergency use and will be permitted as such. Therefore, upon satisfactory completion of the EPA 45-day review period, a Permit to Construct/Operate for the equipment will be issued subject to the following conditions:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 12
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

CONDITIONS:

C1.1 THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES 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]

D12.1 AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1303(b)(2)-Offset]

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 1303(a)-BACT]

E175.1. 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)-BACT]

H23.1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CONTAMINANT	RULE	RULE/SUBPART
H2S	DISTRICT RULE	431.1

[RULE 431.1]

DEVICES D210 AND D213

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 ANNUAL EMISSIONS INCREASE FOR THE FIRST 12 MONTHS 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 START OF OPERATION, THE FACILITY

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 13
	APPL. NO. 525332	DATE rev 12/13/2011
	PROCESSED BY Ken Coats	

HOLDS SUFFICIENT RTCs IN AN AMOUNT EQUAL TO THE ANNUAL EMISSION INCREASE.

FOR THE PURPOSE OF THIS CONDITION, THE ANNUAL EMISSION INCREASE IS 97 LBS OF NO_x.

RTCs HELD FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THIS CONDITION, EITHER AT COMMENCEMENT OF INITIAL OPERATION OR OF A COMPLIANCE YEAR MAY BE SOLD ONLY AFTER 12 MONTHS OF START OF INITIAL OPERATION OR AFTER THE FOURTH QUARTER OF THE APPLICABLE COMPLIANCE YEAR, RESPECTIVELY.

THIS CONDITION SHALL APPLY TO EACH ENGINE INDIVIDUALLY.
[RULE 2012]

DEVICE D216

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 ANNUAL EMISSIONS INCREASE FOR THE FIRST 12 MONTHS 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 START OF OPERATION, THE FACILITY HOLDS SUFFICIENT RTCs IN AN AMOUNT EQUAL TO THE ANNUAL EMISSION INCREASE.

FOR THE PURPOSE OF THIS CONDITION, THE ANNUAL EMISSION INCREASE IS 125 LBS OF NO_x.

RTCs HELD FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THIS CONDITION, EITHER AT COMMENCEMENT OF INITIAL OPERATION OR OF A COMPLIANCE YEAR MAY BE SOLD ONLY AFTER 12 MONTHS OF START OF INITIAL OPERATION OR AFTER THE FOURTH QUARTER OF THE APPLICABLE COMPLIANCE YEAR, RESPECTIVELY.
[RULE 2012]

DEVICE D219

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 ANNUAL EMISSIONS INCREASE FOR THE

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 14
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

FIRST 12 MONTHS OF OPERATION. IN ADDITON, THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS THE OPERATOR DEMONSTRATES TO THE EXECUTIVE OFFICER THAT, AT THE COMMENCEMENT OF EACH COMPLIANCE YEAR AFTER THE START OF OPERATION, THE FACILITY HOLDS SUFFICIENT RTCs IN AN AMOUNT EQUAL TO THE ANNUAL EMISSION INCREASE.

FOR THE PURPOSE OF THIS CONDITION, THE ANNUAL EMISSION INCREASE IS 254 LBS OF NO_x.

RTC_s HELD FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THIS CONDITION, EITHER AT COMMENCEMENT OF INITIAL OPERATION OR OF A COMPLIANCE YEAR MAY BE SOLD ONLY AFTER 12 MONTHS OF START OF INITIAL OPERATION OR AFTER THE FOURTH QUARTER OF THE APPLICABLE COMPLIANCE YEAR, RESPECTIVELY.

[RULE 2012]

K67.1 THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:

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
- C. OTHER (DESCRIBE THE REASON FOR OPERATING)

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]

K67.2 THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETERS OR ITEMS:

THE GOPS HAZARDOUS 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.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 15
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

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. 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 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 WILL 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 FOR A PERIOD OF TWO CONSECUTIVE HOURS AFTER THE INITIAL WIND SPEED READING OF 21 MPH OR LESS. AFTER THE SECOND WIND SPEED READING OF 21 MPH OR LESS IS RECORDED, 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 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

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 16
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

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

UPON RE-ENERGIZING OF THE ELECTRICAL GRID, THE EMERGENCY ELECTRICAL GENERATORS SHALL BE SHUT DOWN. THE ON-DUTY SUPERVISOR SHALL KEEP WRITTEN RECORDS OF THE DATE AND TIME OF THE RE-ENERGIZING OF THE ELECTRICAL GRID AND THE SHUTDOWN OF EACH EMERGENCY ELECTRICAL GENERATOR. 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.

[RULE 1303(b)(2) – OFFSET]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT <i>STATIONARY SOURCE COMPLIANCE</i> APPLICATION PROCESSING AND CALCULATIONS	PAGES 17	PAGE 17
	APPL. NO. 525332	DATE rev12/13/2011
	PROCESSED BY Ken Coats	

APPENDIX

RECLAIM EMISSION FACTORS:

Engine No.1&2:

$$\text{NOx} = (1.5 \text{ g/bhp-hr})(147 \text{ bhp})(\text{lb}/454 \text{ g})(\text{hr}/1,230 \text{ scf}) = 394.86 \text{ lb/mmcf}$$

Engine No. 3

$$\text{NOx} = (1.5 \text{ g/bhp-hr})(189 \text{ bhp})(\text{lb}/454 \text{ g})(\text{hr}/1,786 \text{ scf}) = 349.64 \text{ lb/mmcf}$$

Engine No. 4

$$\text{NOx} = (1.5 \text{ g/bhp-hr})(385 \text{ bhp})(\text{lb}/454 \text{ g})(\text{hr}/3,446 \text{ scf}) = 369.13 \text{ lb/mmcf}$$

SoCalGas Emergency IC Engine Emissions

PAGES	PAGE	A/N 525332
BY KLC	DATE 10/2/2011	

Manufacturer: Generac
 Model No.: 6.8GNGD-100
 Type of Fuel: Pipeline Quality Natural Gas
 Rated Power: 147 bhp
 Engine Design: Rich Burn

Pollutant	Emission Factor (gm/BHP-hr)	Maximum Rated Power (BHP)	Conversion Factor (gm/lb)	Emission Rate (lb/hr)	Annual Emission Rate ¹ (lb/year)	Monthly Emission Rate ² (lb/month)	30 Day Average ³ (lb/day)
NOx	1.50	147	454	0.49	97.14	8.09	0
CO	0.19	147	454	0.06	3.08	0.26	0
VOC	0.11	147	454	0.04	1.78	0.15	0

Pollutant	EF Value	EF Unit	Fuel Use scfh	HV BTU/scf	Annual Emission Rate ¹ (lb/year)	Monthly Emission Rate ² (lb/month)	30 Day Average ³ (lb/day)
SOx	0.25	gr/100 scf	1,230	1,050	4.13	0.34	0
PM10	0.0066	lb/mmBTU	1,230	1,050	0.43	0.04	0

¹ Emission rate (lb/hr) multiplied by 50; NOx based on 200 hr/yr max PTE for RTCs

² Emission rate (lb/year) divided by 12

³ Emission rate (lb/month) divided by 30

SoCalGas Emergency IC Engine Emissions

PAGES	PAGE	A/N 525332
BY KLC	DATE 10/2/2011	

Manufacturer: Generac
 Model No.: 6.8GNGD-130
 Type of Fuel: Pipeline Quality Natural Gas
 Rated Power: 189 bhp
 Engine Design: Rich Burn

Pollutant	Emission Factor (gm/BHP-hr)	Maximum Rated Power (BHP)	Conversion Factor (gm/lb)	Emission Rate (lb/hr)	Annual Emission Rate ¹ (lb/year)	Monthly Emission Rate ² (lb/month)	30 Day Average ³ (lb/day)
NOx	1.50	189	454	0.62	124.89	10.41	0
CO	0.50	189	454	0.21	10.41	0.87	0
VOC	0.17	189	454	0.07	3.54	0.29	0

Pollutant	EF Value	EF Unit	Fuel Use scfh	HV BTU/scf	Annual Emission Rate ¹ (lb/year)	Monthly Emission Rate ² (lb/month)	30 Day Average ³ (lb/day)
SOx	0.25	gr/100 scf	1,786	1,050	6.00	0.50	0
PM10	0.0066	lb/mmBTU	1,786	1,050	0.62	0.05	0

¹ Emission rate (lb/hr) multiplied by 50; NOx based on 200 hr/yr max PTE for RTCs

² Emission rate (lb/year) divided by 12

³ Emission rate (lb/month) divided by 30

SoCalGas Emergency IC Engine Emissions

PAGES	PAGE	A/N 525332
BY KLC	DATE 10/2/2011	

Manufacturer: Generac
 Model No.: 13.3 GTA-250
 Type of Fuel: Pipeline Quality Natural Gas
 Rated Power: 385 bhp
 Engine Design: Rich Burn

Pollutant	Emission Factor (gm/BHP-hr)	Maximum Rated Power (BHP)	Conversion Factor (gm/lb)	Emission Rate (lb/hr)	Annual Emission Rate ¹ (lb/year)	Monthly Emission Rate ² (lb/month)	30 Day Average ³ (lb/day)
NOx	1.50	385	454	1.27	254.41	21.20	1
CO	0.55	385	454	0.47	23.32	1.94	0
VOC	0.11	147	385	0.04	2.10	0.18	0

Pollutant	EF Value	EF Unit	Fuel Use scfh	HV BTU/scf	Annual Emission Rate ¹ (lb/year)	Monthly Emission Rate ² (lb/month)	30 Day Average ³ (lb/day)
SOx	0.25	gr/100 scf	3,446	1,050	11.58	0.97	0
PM10	0.0066	lb/mmBTU	3,446	1,050	1.19	0.10	0

¹ Emission rate (lb/hr) multiplied by 50; NOx based on 200 hr/yr max PTE for RTCs

² Emission rate (lb/year) divided by 12

³ Emission rate (lb/month) divided by 30



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: 2000 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: 200 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996]; VOC: 250 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	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
 (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 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: 367657	D2	C182	NOX: LARGE SOURCE**	CO: 150 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; CO: 2000 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: 200 PPMV NATURAL GAS (5) [RULE 1303(b)(2)-Offset, 5-10-1996]; VOC: 250 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	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	C182	D2			

* (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 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: 150 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; CO: 2000 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: 200 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1303(b) (2)-Offset, 5-10-1996]; VOC: 250 PPMV (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	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 GEICO	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
- (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 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: 2000 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: 200 PPMV (5) [RULE 1303(b)(2)-Offset, 5-10-1996]; VOC: 250 PPMV NATURAL GAS (5A) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	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, 500 KW	C184	D4			
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, K-2, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, WITH STAGED COMBUSTION, 2000 HP A/N: 153507	D6		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1

- * (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 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, K-5, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, WITH STAGED COMBUSTION, 2000 HP A/N: 159101	D7		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, K-1, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, WITH STAGED COMBUSTION, 2000 HP A/N: 159102	D8		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, K-3, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, WITH STAGED COMBUSTION, 2000 HP A/N: 159103	D9		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, K-4, NATURAL GAS, INGERSOLL-RAND, MODEL 412 KVS, WITH STAGED COMBUSTION, 2000 HP A/N: 159104	D10		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 250 PPMV (5) [RULE 1110.2, 6-3-2005; RULE 1110.2, 2-1-2008]	D82.1
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

- | | |
|--|---|
| * (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 1: INTERNAL COMBUSTION					
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
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

* (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 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	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: 1.5 GRAM/BHP-HR NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 12-6-2002]	C1.8, D12.6, E115.2, E175.2, H23.17, I296.1, K67.9, K67.10
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); NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4); NOX: 394.86 LBS/MMSCF NATURAL GAS (1); VOC: 1.5 GRAM/BHP-HR NATURAL GAS (4)	C1.8, D12.6, E115.2, E175.2, H23.17, I296.1, K67.9, K67.10

- * (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 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) ; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) ; NOX: 349.64 LBS/MMSCF NATURAL GAS (1) ; VOC: 1.5 GRAM/BHP-HR NATURAL GAS (4)	C1.8, D12.6, E115.2, E175.2, H23.17, I296.2, K67.9, K67.10
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) ; NOX: 1.5 GRAM/BHP-HR NATURAL GAS (4) ; NOX: 369.13 LBS/MMSCF NATURAL GAS (1) ; VOC: 1.5 GRAM/BHP-HR NATURAL GAS (4)	C1.8, D12.6, E115.2, E175.2, H23.17, I296.3, 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				

- | | |
|--|---|
| * (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 2: PETROLEUM STORAGE TANKS					P13.1
STORAGE TANK, FIXED ROOF, NO. T-11, WASTE WATER/CRUDE OIL, 4200 GALS; DIAMETER: 8 FT ; HEIGHT: 8 FT A/N: 256063	D23				
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. T-9, VENTED TO VAPOR RECOVERY SYSTEM, 4000 BBL; DIAMETER: 35 FT ; HEIGHT: 24 FT A/N: C08883	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

- * (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-1, VENTED TO VAPOR RECOVERY SYSTEM, 1500 BBL; DIAMETER: 25 FT; HEIGHT: 18 FT A/N: C08893	D33	C189 C190			E57.1, H23.1
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. 1M91X, 1000 BBL; DIAMETER: 21 FT 6 IN; HEIGHT: 16 FT A/N: 298461	D141	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
TANK, FIXED ROOF, WASH, 1M91Y, 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
TANK, 03M02C, CRUDE OIL, VENTED TO VAPOR RECOVERY, 3000 BBL; DIAMETER: 29 FT 8 IN; HEIGHT: 24 FT A/N: 372095	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 ODORIZATOR - 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

- * (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					
ODORANT DISPENSING EQUIPMENT A/N: 482622	D202				
System 3: GAS ODORIZATION - DEHY 1					
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:	C69			H2S: 4 PPMV (5) [RULE 3004(a) (4)-Periodic Monitoring, 12-12-1997]	D90.1, K67.3

- * (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, PRESSURIZED, ODORANT, PRESSURIZED, 2000 GALS; DIAMETER: 4 FT ; HEIGHT: 15 FT A/N: 482623	D198	C201			E175.1, E179.1
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

* (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					
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			
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

- * (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					
DRUM, V-46, PRIMARY FLASH DRUM, HEIGHT: 12 FT ; DIAMETER: 4 FT A/N: 244294	D108				
System 3: WATER CLARIFICATION					
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. 3, NATURAL GAS, AMERICAN HEATER COMPANY, MODEL AHE-650, 6.5 MMBTU/HR WITH A/N: 347644 BURNER, NATURAL GAS, POWER FLAME, MODEL C5-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 | (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 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					

- | | |
|---|---|
| <p>* (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</p> | <p>(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</p> |
|---|---|

** 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
 (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: 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	5	1	0
D14	5	1	0
D15	6	1	0
D16	6	1	0
D22	8	2	0
D23	9	2	0
D25	9	2	0
D27	9	2	0
D29	9	2	0
D31	9	2	0
D32	9	2	0
D33	10	2	0
D35	10	2	0
D36	10	2	0
C60	11	4	2
D61	11	4	2
D63	12	4	3
C65	12	4	3
D67	12	4	4
C69	12	4	4
D76	14	5	2
D77	14	5	2
C78	14	5	2
D83	15	6	0
D84	15	6	0
D91	18	9	0
D92	18	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	13	5	1
D97	13	5	1
C98	14	5	2
D99	13	5	1
C100	13	5	1
D106	14	5	1
D108	15	5	2
D115	14	5	1
D116	14	5	1
D134	11	2	0
D136	11	2	0
D137	15	5	3
D138	15	5	3
D139	10	2	0
D140	10	2	0
D141	10	2	0
D142	11	2	0
C151	19	12	2
C152	19	12	3
C163	19	12	3
C164	19	12	4
D168	20	13	0
E169	21	14	0
E171	21	14	0
E172	21	14	0
E173	21	14	0
D174	18	11	0
D175	16	6	0
D176	17	6	0
D177	18	6	0
C181	1	1	0
C182	2	1	0
C183	3	1	0
C184	4	1	0
C189	19	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	19	12	5
C192	19	12	4
D193	21	15	0
C195	20	12	6
D196	11	4	2
D197	12	4	3
D198	13	4	4
C199	11	4	2
C200	12	4	3
C201	13	4	4
D202	12	4	2
D203	12	4	3
D204	13	4	4
C205	20	12	6
C206	20	12	6
C207	20	12	6
C208	20	12	6
C209	20	12	6
D215	7	1	0
D217	7	1	0
D218	8	1	0
D219	8	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

D12.2 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.



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]

- 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]

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]



**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]

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



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

[Devices subject to this condition : E171]

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



**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 1110.2, 6-3-2005]

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

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]

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

Contaminant	Rule	Rule/Subpart
H2S	District Rule	431.1

[RULE 431.1, 6-12-1998]

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

I. Administrative



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:

- 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 annual emissions increase for the first 12 months 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 start of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

For the purposes of this condition, the annual emission increase is 97 lbs. of NO_x

RTCs held for the purpose of demonstrating compliance with this condition either at the commencement of initial operation or of a compliance year may be sold only after 12 months of start of initial operation or after the fourth quarter of the applicable compliance year, respectively.

RTCs HELD FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THIS CONDITION, EITHER AT COMMENCEMENT OF INITIAL OPERATION OR OF A COMPLIANCE YEAR MAY BE SOLD ONLY AFTER 12 MONTHS OF START OF INITIAL OPERATION OR AFTER THE FOURTH QUARTER OF THE APPLICABLE COMPLIANCE YEAR, RESPECTIVELY

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D215, D217]

- 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 annual emissions increase for the first 12 months 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 start of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.



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 the purposes of this condition, the annual emission increase is 125 lbs. of NOx

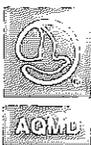
RTCs held for the purpose of demonstrating compliance with this condition either at the commencement of initial operation or of a compliance year may be sold only after 12 months of start of initial operation or after the fourth quarter of the applicable compliance year, respectively.

RTCs HELD FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THIS CONDITION, EITHER AT COMMENCEMENT OF INITIAL OPERATION OR OF A COMPLIANCE YEAR MAY BE SOLD ONLY AFTER 12 MONTHS OF START OF INITIAL OPERATION OR AFTER THE FOURTH QUARTER OF THE APPLICABLE COMPLIANCE YEAR, RESPECTIVELY

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D218]

- 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 annual emissions increase for the first 12 months 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 start of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.



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 the purposes of this condition, the annual emission increase is 254 lbs. of NOx

RTCs held for the purpose of demonstrating compliance with this condition either at the commencement of initial operation or of a compliance year may be sold only after 12 months of start of initial operation or after the fourth quarter of the applicable compliance year, respectively.

RTCs HELD FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THIS CONDITION, EITHER AT COMMENCEMENT OF INITIAL OPERATION OR OF A COMPLIANCE YEAR MAY BE SOLD ONLY AFTER 12 MONTHS OF START OF INITIAL OPERATION OR AFTER THE FOURTH QUARTER OF THE APPLICABLE COMPLIANCE YEAR, RESPECTIVELY

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D219]

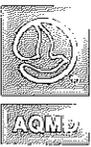
J. Rule 461

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.



**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 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]

[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 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. 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 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 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



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:

GAS CONTROL DEPARTMENT WILL CONTINUE TO MONITOR WIND SPEED FOR A PERIOD OF TWO CONSECUTIVE HOURS AFTER THE INITIAL WIND SPEED READING OF 21 MPH OR LESS. AFTER THE SECOND WIND SPEED READING OF 21 MPH OR LESS IS RECORDED, 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 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

[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]