



South Coast Air Quality Management District

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

August 28, 2009

Mr. Gerardo Rios
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

SUBJECT: Transmittal of Proposed Title V Renewal Permit
SAN DIEGO GAS & ELECTRIC
14601 Virginia St.
Moreno Valley, CA 92555
Facility ID 004242

Dear Mr. Rios:

Gerardo

Enclosed is the above-referenced proposed renewal of a Title V permit along with the facility permit application, a Statement of Basis and public notice. With your receipt of this proposed Title V permit, we will note that the EPA 45-day review period has begun.

Questions on the proposed permit should be directed to Mr. Hemang Desai, Air Quality Engineer, at (909) 396-2596 or hdesai@aqmd.gov

Sincerely,

Mohsen Nazemi, P.E.
Assistant Deputy Executive Officer
Engineering and Compliance

MN:MDM:MYL:ABS:HD

Enclosures:

Facility Permit (Proposed Renewal)
Public Notice
Statement of Basis
Facility Permit Application



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

NOTICE OF PROPOSED RENEWAL TITLE V PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit previously issued to the facility listed below:

Facility Locations and Contact People

SAN DIEGO GAS & ELECTRIC

14601 Virginia St.
Moreno Valley, CA 92555
Facility ID 004242

Contact Person:

David Stallings
Station Maintenance Supervisor
San Diego Gas & Electric
14601 Virginia St.
Moreno Valley, CA 92555

AQMD Contact:

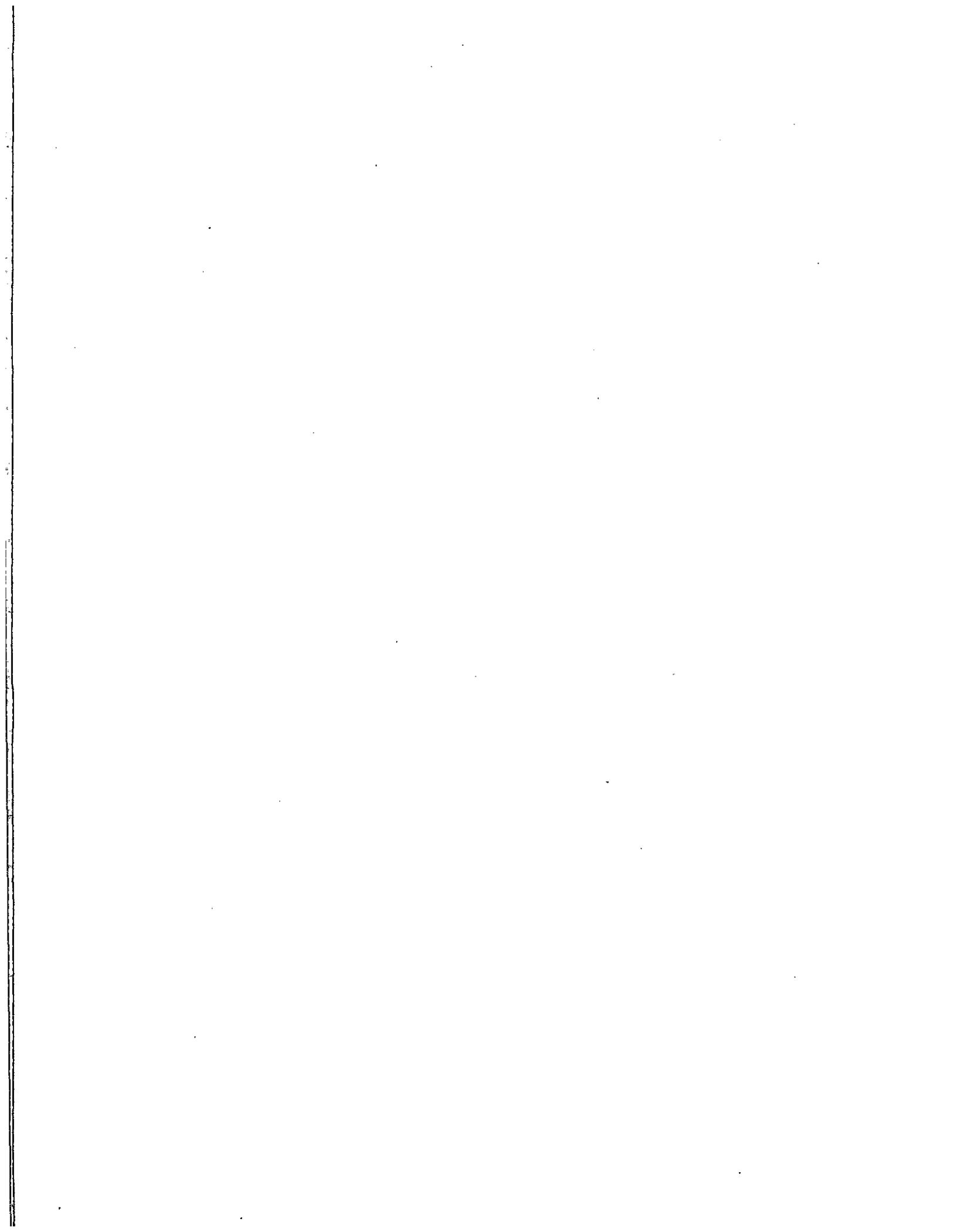
Hemang Desai
909/396-2656

The facility operates 4 gas turbines and 6 natural gas engines along with auxiliary equipment used in transmission of natural gas.

Pursuant to Title V of the federal Clean Air Act and the AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, this facility has submitted a Title V renewal application and requested the AQMD to renew their Title V permits. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to this facility.

The proposed permit is available for public review at the AQMD, 21865 Copley Dr., Diamond Bar, CA, and at the Moreno Valley Library, 25480 Alessandro Blvd, Moreno Valley, CA 92553. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to Mr. Hemang Desai, Air Quality Engineer, 21865 Copley Drive, Diamond Bar, CA, 91765-4178. Comments must be received by October 5, 2009. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request the AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Hemang Desai at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. Public hearing request forms and the schedule of public hearings may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the Internet at <http://www.aqmd.gov/titlev>. Requests for public hearings are due by October 5, 2009. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.





South Coast Air Quality Management District

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

August 28, 2009

David Stallings
Station Maintenance Supervisor
SAN DIEGO GAS & ELECTRIC
14601 Virginia St.
Moreno Valley, CA 92555

Re: Transmittal of Proposed Title V Renewal
SAN DIEGO GAS & ELECTRIC
14601 Virginia St.
Moreno Valley, CA 92555
Facility ID 004242

Dear Mr. Stallings:

The South Coast Air Quality Management District (AQMD) will place a notice in the *The Press Enterpriser* that will appear on September 5, 2009. This notice allows the public the opportunity to comment on your facility's proposed Title V permit. The public comment period begins on September 5, 2009 and ends on October 5, 2009. Enclosed are copies of the public notice and proposed Title V permit for your facility.

If you have any questions or need additional information, please contact Mr. Hemang Desai at (909) 396-2596 or hdesai@aqmd.gov.

Sincerely,

Michael D. Mills

Michael D. Mills, P.E.
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

MDM:MYL:ABS:HD

Enclosures:
Facility Permit
Public Notice

1921 . B . 1 . 157



South Coast Air Quality Management District

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

August 28, 2009

The Librarian
Moreno Valley Library
25480 Alessandro Blvd.
Moreno Valley, CA 92553

SUBJECT: Title V Permit Renewal
SAN DIEGO GAS & ELECTRIC
14601 Virginia St.
Moreno Valley, CA 92555

Dear Librarian:

Enclosed is a copy of the proposed Title V permit for the San Diego Gas & Electric located at 14601 Virginia St., Moreno Valley, CA 92555. Please make this information available to the public for review in your library until October 5, 2009.

Under AQMD Rule 3006 Title V permits up for renewal are subject to a 30 day public review and comment period, and the facilities are required to inform the surrounding area of the proposed permit renewal. The AQMD is the agency that monitors facilities to insure that they comply with the requirements of air pollution control laws.

If you have any questions concerning this information, please contact Mr. Hemang Desai at (909) 396-2696 or hdesai@aqmd.gov.

Sincerely,

Michael D. Mills

Michael D. Mills, P.E.
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

MDM:MYLABS:HD

Enclosures

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South Coast Air Quality Management District

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

August 28, 2009

Bahram Fazeli
Staff Scientist
Communities for a Better Environment
5610 Pacific Boulevard, Suite 203
Huntington Park, CA 90255

SUBJECT: Transmittal of Proposed Title V Renewal Permit
SAN DIEGO GAS & ELECTRIC
14601 Virginia St.
Moreno Valley, CA 92555
Facility ID 004242

Dear Mr. Fazeli:

The South Coast Air Quality Management District will open a thirty-day public comment period for a Proposed Renewal of Title V Permit. Enclosed is a copy of the Statement of Basis of the proposed permit, and the public notice.

Questions on the Statement of Basis of the proposed permit should be directed to Mr. Hemang Desai at (909) 396-2696 or hdesai@aqmd.gov.

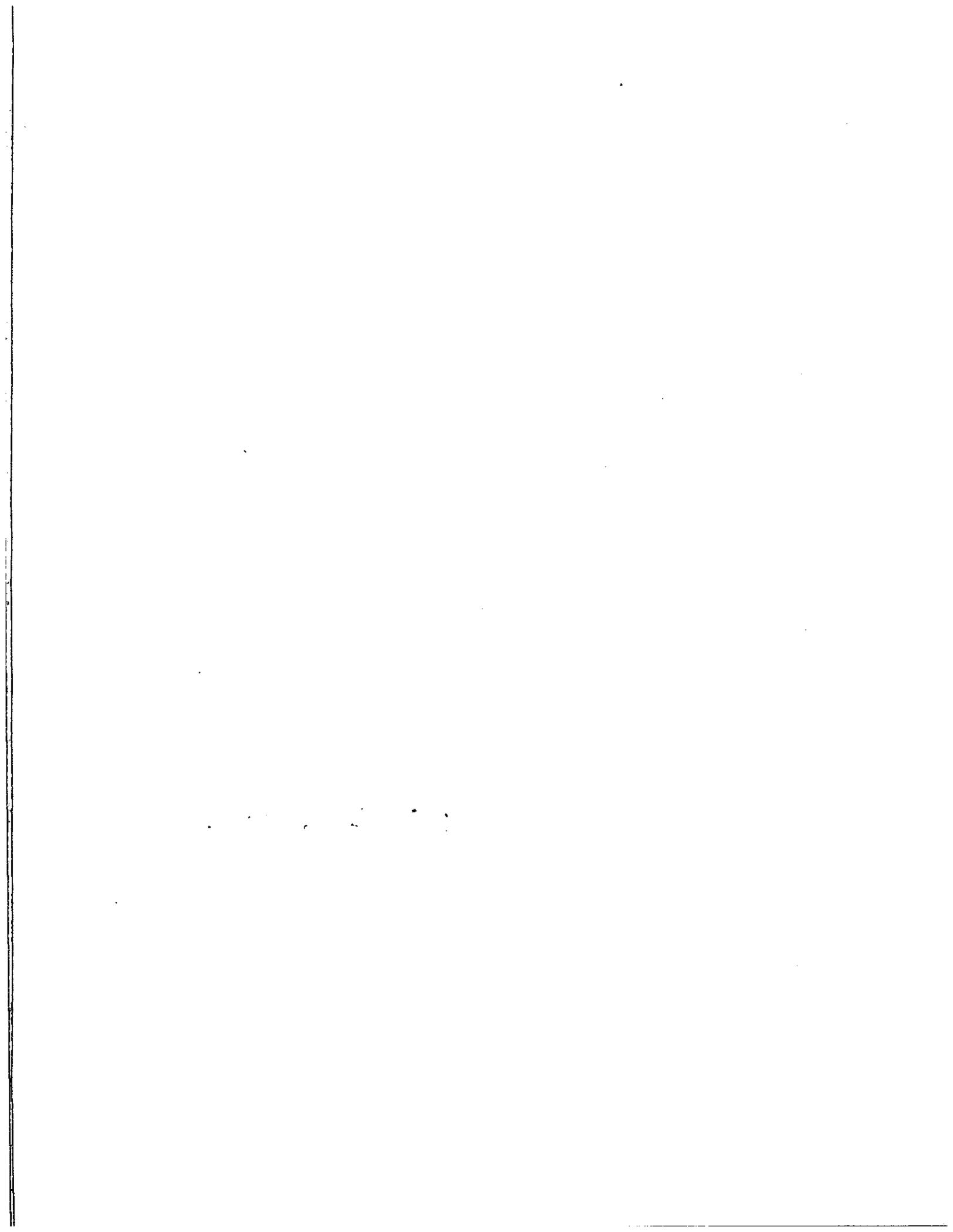
Sincerely,

Michael D. Mills

Michael D. Mills, P.E.
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

MDM:MYL:ABS:HD

Enclosure





South Coast Air Quality Management District



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

August 28, 2009

Mr. Tim Grabiell
Project Attorney
Natural Resources Defense Council
1314 2nd Street
Santa Monica, CA 90401

SUBJECT: Transmittal of Proposed Title V Renewal Permit
SAN DIEGO GAS & ELECTRIC
14601 Virginia St.
Moreno Valley, CA 92555
Facility ID 004242

Dear Mr. Grabiell:

The South Coast Air Quality Management District will open a thirty-day public comment period for a Proposed Renewal of Title V Permit. Enclosed is a copy of the Statement of Basis of the proposed permit, and the public notice.

Questions on the Statement of Basis of the proposed permit should be directed to Mr. Hemang Desai at (909) 396-2696 or hdesai@aqmd.gov.

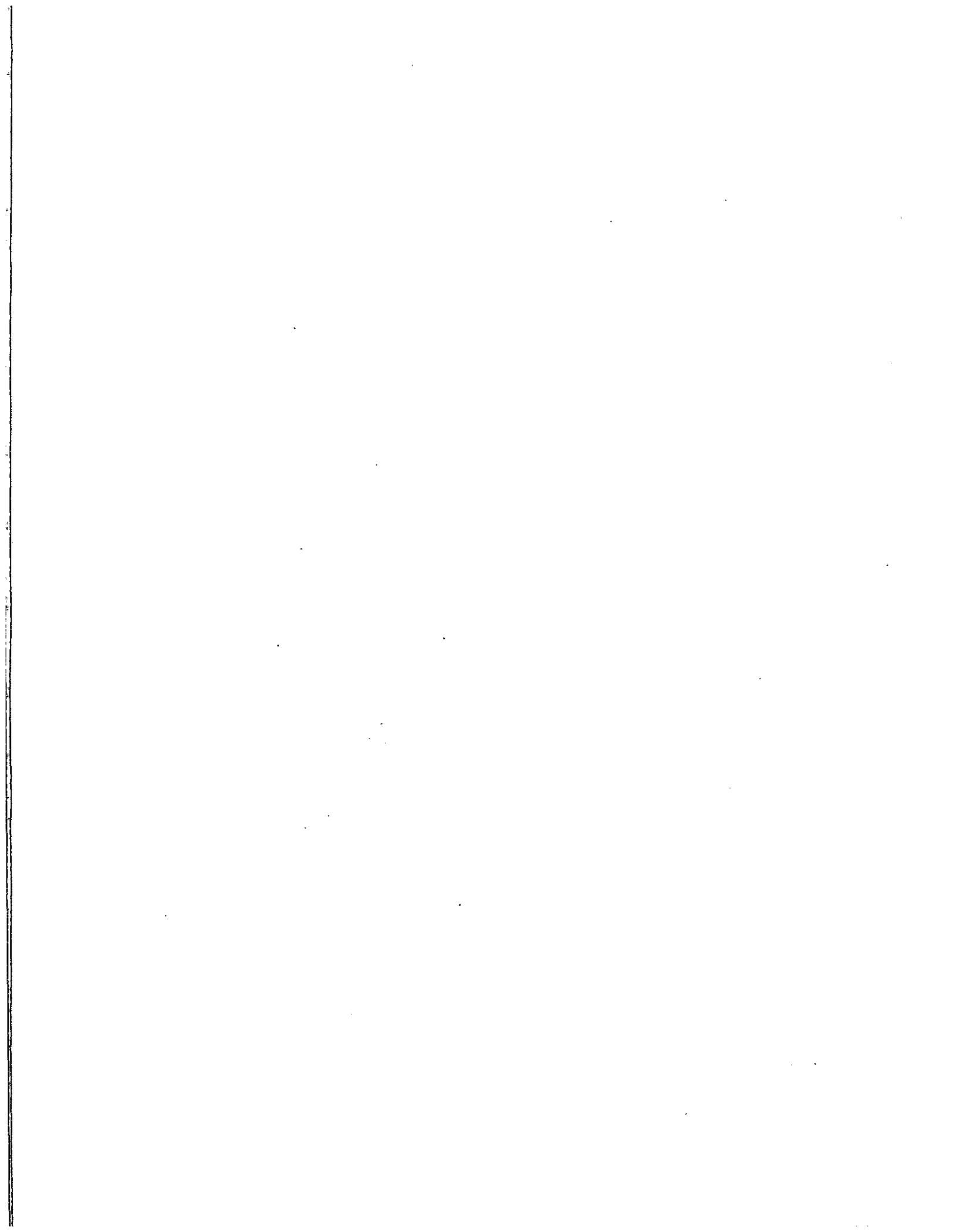
Sincerely,

Michael D. Mills

Michael D. Mills, P.E.
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

MDM:MYL:ABS:HD

Enclosure





South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

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August 28, 2009

Robina Suwol
Executive Director
California Safe Schools
5925 Tobias Avenue
Van Nuys, CA 91411

SUBJECT: Transmittal of Proposed Title V Renewal Permit
SAN DIEGO GAS & ELECTRIC
14601 Virginia St.
Moreno Valley, CA 92555
Facility ID 004242

Dear Ms. Suwol:

The South Coast Air Quality Management District will open a thirty-day public comment period for a Proposed Renewal of Title V Permit. Enclosed is a copy of the Statement of Basis of the proposed permit, and the public notice.

Questions on the Statement of Basis of the proposed permit should be directed to Mr. Hemang Desai at (909) 396-2696 or hdesai@aqmd.gov.

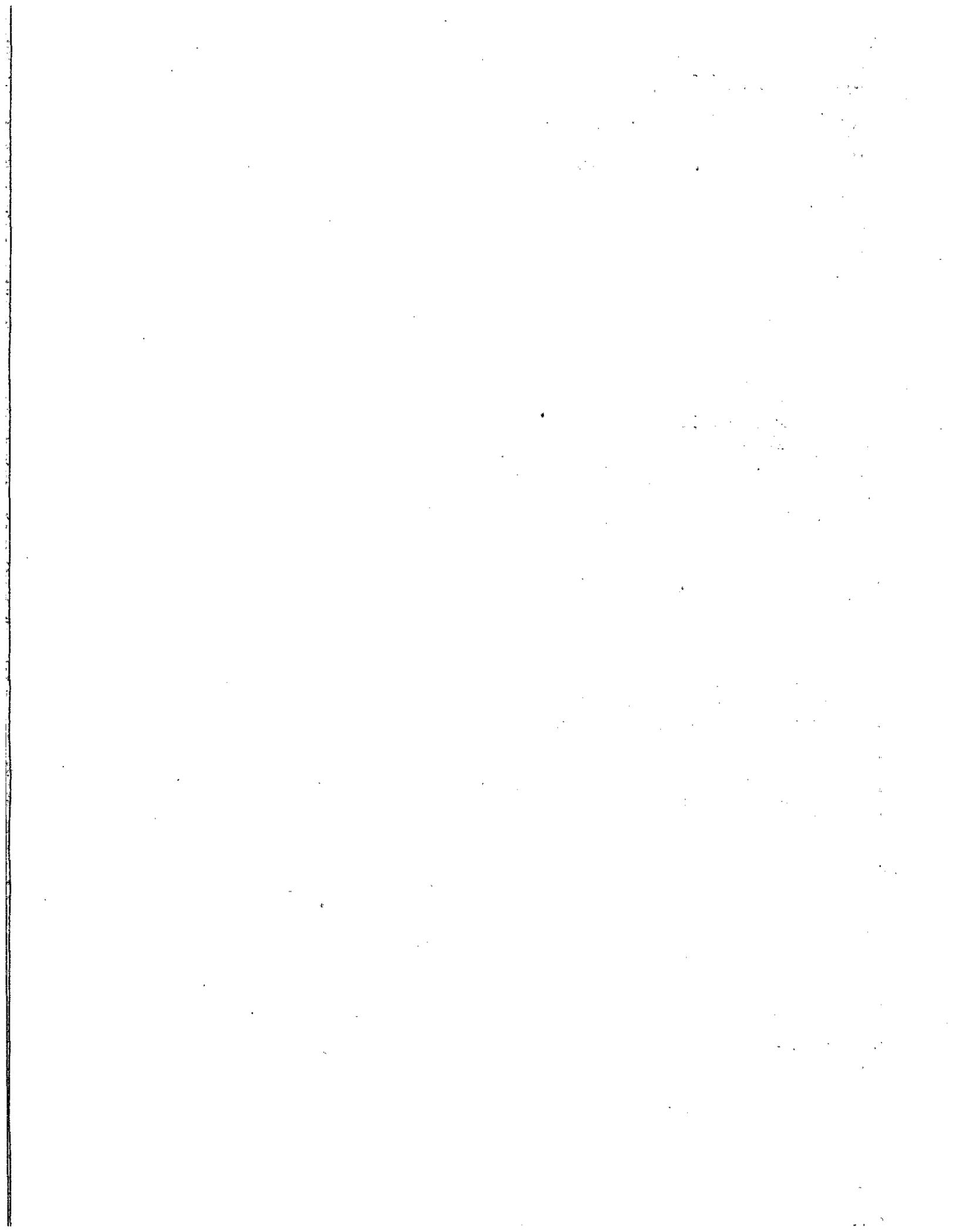
Sincerely,

Michael D. Mills

Michael D. Mills, P.E.
Senior Manager
General Commercial and Energy Team
Engineering and Compliance

MDM:MYL:ABS:HD

Enclosure



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Title V Permit Summary

AQMD Facility ID:	004242	Company Name:	SAN DIEGO GAS & ELECTRIC																																																																																	
Equipment Location:	14601 VIRGINIA ST., MORENO VALLEY, CA 92555			SIC Code: 9999																																																																																
Permit Renewal #:	0	Renewal Date:	Facility Permit Section(s) Affected: All																																																																																	
Application #(s):	437363		Application Submittal Date(s): 11/10/04																																																																																	
AQMD Contact Person:	HEMANG DESAI	Phone #:	E-Mail Address:																																																																																	
		(909) 396-2596	hdesai@aqmd.gov																																																																																	
Project Description: This facility is applying for a renewal Title V permit. The facility is in business of operating a natural gas transmission facility. The facility is operating engines, and gas turbines.																																																																																				
Permit Type: <input type="checkbox"/> Initial Title V Permit <input type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal																																																																																				
Permit Features: <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other: _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance																																																																																				
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Reporting Year: 2006																																																																																				
Health Risk From Toxic Air Contaminants: <input type="checkbox"/> Health Risk Reduction Plan in Force (AQMD Rule 1402) (date): <input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401)																																																																																				

Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588)

Facility Determined to be Exempt from AB2588 Requirements

AQMD is Tracking Status of Facility under AB2588

Health Risk Assessment Submitted to AQMD and Is Being Reviewed

Final Facility Health Risk Approved (date) _____

Cancer Risk = _____

Acute Hazard Index = _____

Chronic Hazard Index = _____

Criteria Pollutant Emissions	<input checked="" type="checkbox"/> NOx	33.00	<input checked="" type="checkbox"/> PM	2.93
Annual Reported Emissions	<input checked="" type="checkbox"/> CO	29.46	<input checked="" type="checkbox"/> SOx	0.15
(tons/year) for Reporting Year: 2006	<input checked="" type="checkbox"/> VOC	11.20	<input type="checkbox"/> Other:	_____

Compliance History: Citizen Complaints Filed in Last Two Calendar Years (0)
 Notices to Comply Issued in Last Two Calendar Years (1)
 Notices of Violation Issued in Last Two Calendar Years (0)

Comments: The initial Title V permit, under application 332590 issued May 9, 2000.

South Coast Air Quality Management District

Statement of Basis

Proposed Renewal of Title V Permit

Facility Name: San Diego Gas & Electric
Facility ID: 004242
NAICS Code: 486210
Equipment Location: 14601 Virginia St., Moreno Valley, CA 92555

Application #(s): 437363
Application Submittal Date(s): 11/10/04

Permit Revision #: n/a
Revision Date: n/a
Permit Section(s) Affected:

AQMD Contact Person: Hemang Desai, Air Quality Engineer
Phone Number: (909) 396-2596
E-Mail Address: hdesai@aqmd.gov

1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. CO, NO₂, SO₂, and lead are in attainment with federal standards. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V permit is proposed to be issued to cover the operations of San Diego Gas & Electric located at 14601 Virginia St., Moreno Valley, CA 92555. This facility is subject to Title V requirements because it is a major source requirements that specifically require obtaining a Title V permit.

2. Facility Description

This is an existing facility that is in the business of operating and maintaining Natural Gas storage and distribution. This facility is operating Compressors and turbines fueled by natural gas.

3. Construction and Permitting History

The facility has been in constant operation for a number of years. An initial Title V permit was issued to the facility on May 9, 2009.

4. Regulatory Applicability Determinations

Applicable legal requirements for which this facility is required to comply are required to be identified in the Title V permit (for example, Section D, E, and H of the proposed Title V permit). Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. This facility is not subject to any NSPS or NESHAP requirements. [NSPS requirements of 40 CFR Part 60 applies to certain units at the facility and the permit terms and conditions may be found in Section D of the Title V permit.] [NESHAP requirements of 40 CFR Part 63 applies to certain units at the facility and the permit terms and conditions may be found in Sections D and J of the Title V permit.]

5. Monitoring and Operational Requirements

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Section D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable monitoring and operational requirements can be found in the Engineering Evaluations. Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 do not apply to any of the permitted emission sources at this facility.

6. Permit Features

Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

7. Summary of Emissions and Health Risks

Criteria Pollutant Emissions (tons/year)
Annual Reported Emissions for Reporting Period 2006

Pollutant	Emissions (tons/year)
NOx	33.00
CO	29.46
VOC	11.20
PM	2.93
SOx	0.15

**Toxic Air Contaminants Emissions (TAC)
Annual Reported Emissions for Reporting Period 2006**

The Following TACs Were Reported	Emissions (lbs/yr)
Benzene	291.784
1,3- Butadiene	116.482
Formaldehyde	7883.226
Chromium, Hexavalent	<0.001
Nickel	<0.001
Ammonia	649.776
Naphthalene	13.771
PAH, total, with components not reported	0.396
2-Methyl naphthalene [PAH, POM]	3.033
Cadmium	<0.001
Lead (Inorganic)	<0.001
ACENAPHTHENE	0.189
ACENAPHTHYLENE	0.449
ANTHRACENE	0.101
B[GHI] PERYLENE	0.003
Benz[a]anthracene	0.047
Benzo[a]pyrene	< 0.001
Benzo[b]fluoranthene	0.001
Benzo[e]pyrene [PAH, POM]	0.003
Benzo[k]fluoranthene	< 0.001
Carbon tetrachloride	8.615
Chrysene	0.095
Ethylene dibromide	10.424
Ethylene dichloride	5.984
FLUORANTHENE	0.051
FLUORENE	0.239
Indeno[1,2,3-cd]pyrene	0.001
Methylene chloride	20.877
PHENANTHRENE	0.500
PYRENE	0.082
Perylene [PAH, POM]	< 0.001
Vinyl chloride	3.507
Arsenic	< 0.001

Health Risk from Toxic Air Contaminants

The facility is being tracked by the Air Toxics Information and Assessment Act (AB2588).

8. Compliance History

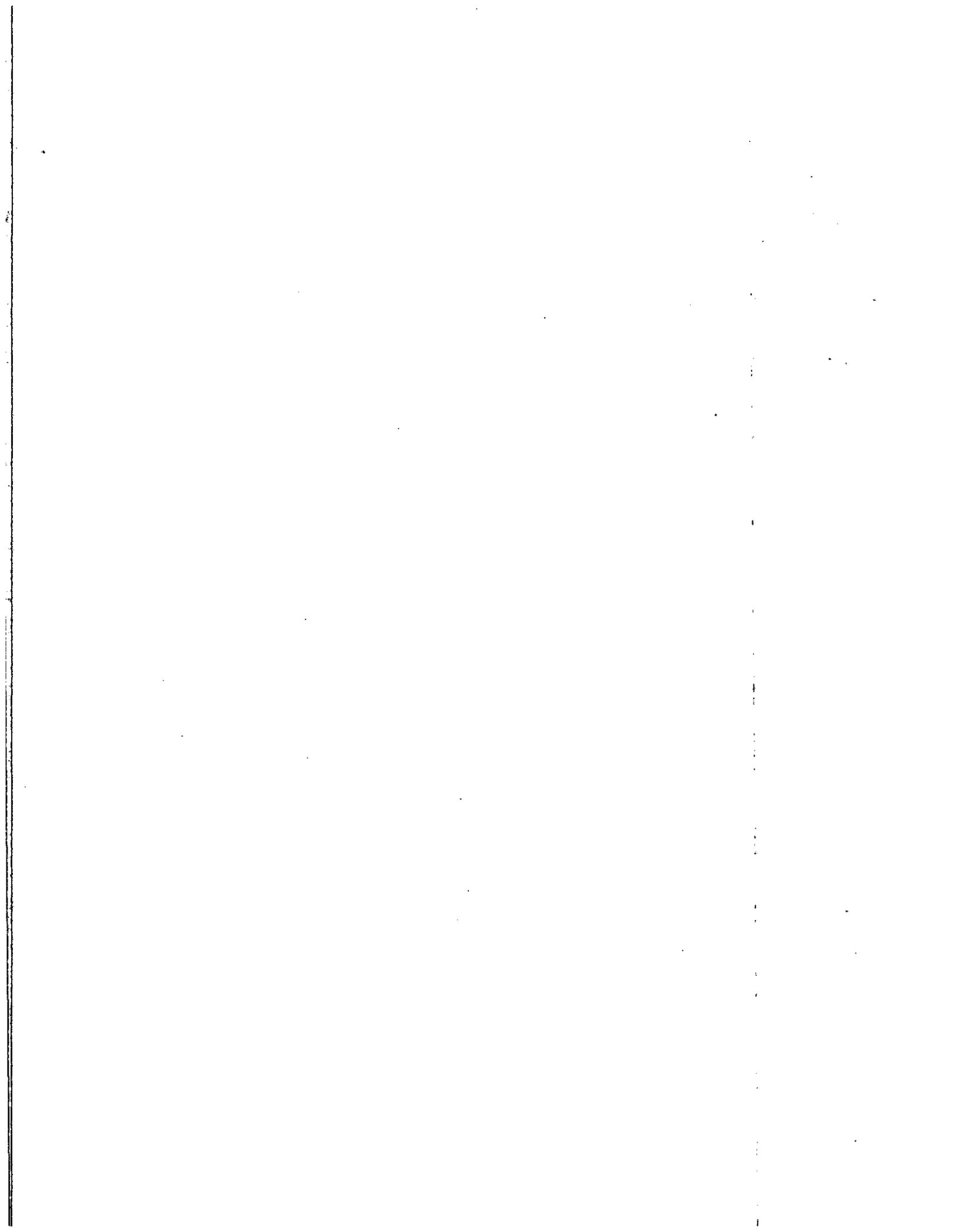
As noted, the facility has been in constant operation. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had 0 citizen complaints filed, 1 Notices to comply issued, and 0 Notices of Violation issued in the last two calendar years.

9. Compliance Certification

By virtue of the Title V permit application and issuance of this permit, the reporting frequency for compliance certification for the facility shall be annual.

10. Comments

The initial Title V permit, under application 332590 was issued in May 9, 2000, Application no. 437363 for renewal was filed about 6 months before the Permit expired.



FACILITY PERMIT TO OPERATE

**SAN DIEGO GAS & ELECTRIC
14601 VIRGINIA ST
MORENO VALLEY, CA 92555**

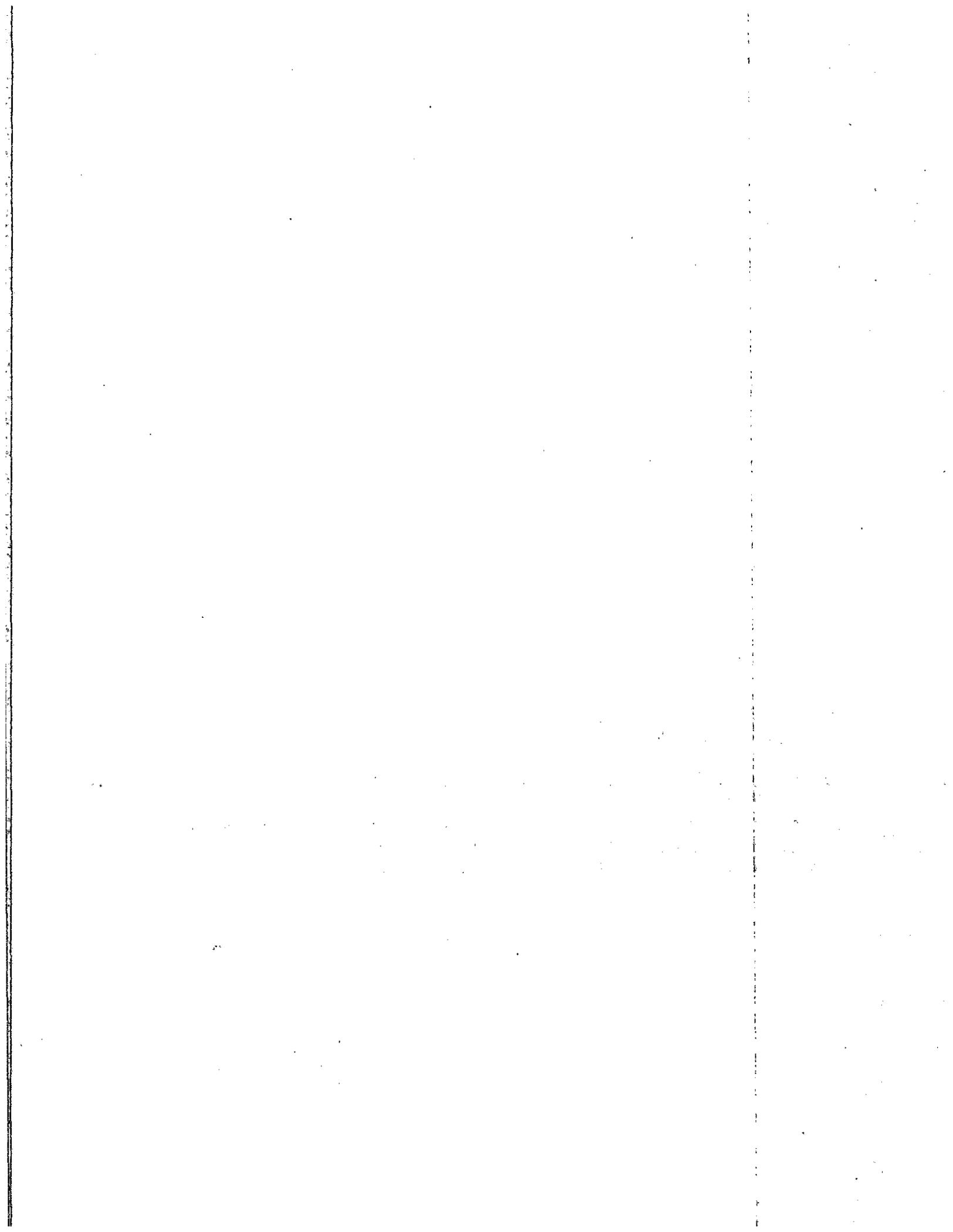
NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

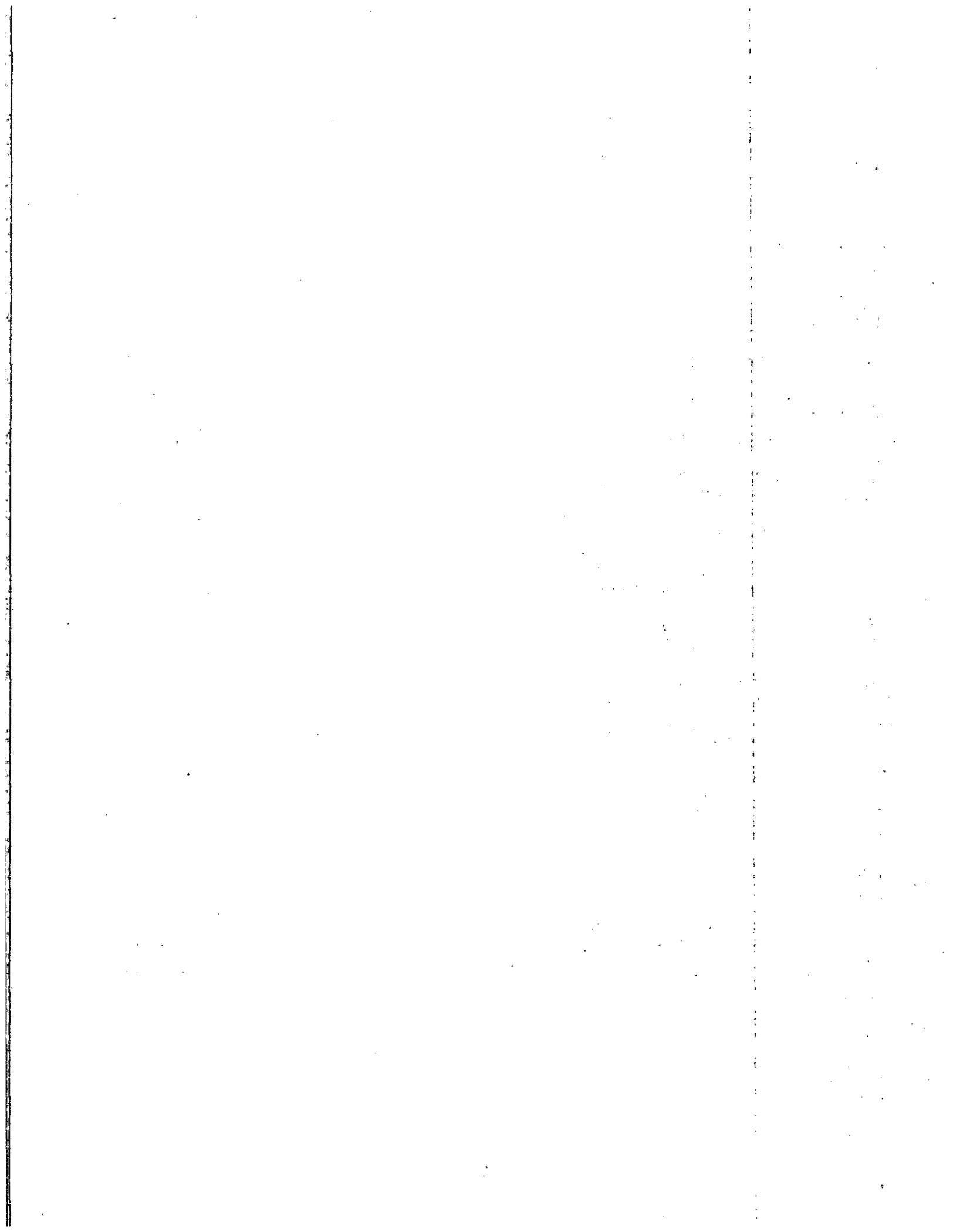
By _____
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance



FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

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FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO_x RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO_x emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

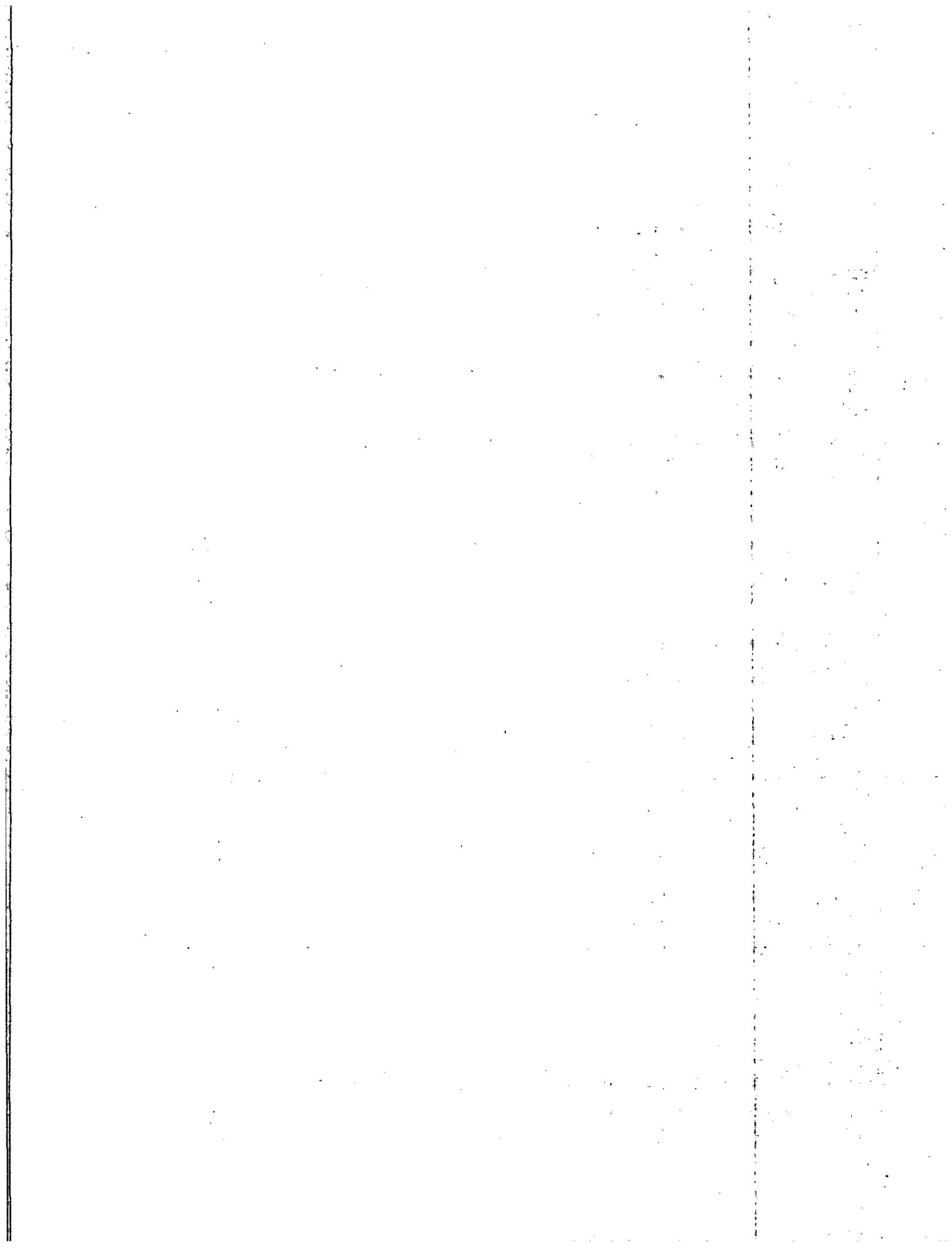
The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NO _x RTC Initially Allocated	NO _x RTC ¹ Holding as of 08/26/09 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2006	6 /2007	Inland	124679	4082	0
7/2007	6 /2008	Inland	124679	16858	0
7/2008	6 /2009	Inland	124679	96725	3366
7/2009	6 /2010	Inland	124679	103359	6733
7/2010	6 /2011	Inland	124679	99993	10099
7/2011	6 /2012	Inland	124679	96626	13465
7/2012	6 /2013	Inland	124679	96626	13465
7/2013	6 /2014	Inland	124679	96626	13465
7/2014	6 /2015	Inland	124679	96626	13465
7/2015	6 /2016	Inland	124679	96626	13465
7/2016	6 /2017	Inland	124679	96626	13465
7/2017	6 /2018	Inland	124679	96626	13465
7/2018	6 /2019	Inland	124679	96626	13465
7/2019	6 /2020	Inland	124679	96626	13465
7/2020	6 /2021	Inland	124679	96626	13465
7/2021	6 /2022	Inland	124679	96626	13465
7/2022	6 /2023	Inland	124679	96626	13465

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: SAN DIEGO GAS & ELECTRIC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 14601 VIRGINIA ST
MORENO VALLEY, CA 92555-8100

MAILING ADDRESS: P.O. BOX 2300 M.L. SC9314
CHATSWORTH, CA 91313-2300

RESPONSIBLE OFFICIAL: CLAUD LANGER

TITLE: FIELD OPERATIONS MANAGER

TELEPHONE NUMBER: (760) 243-6500

CONTACT PERSON: DAVID STALLINGS

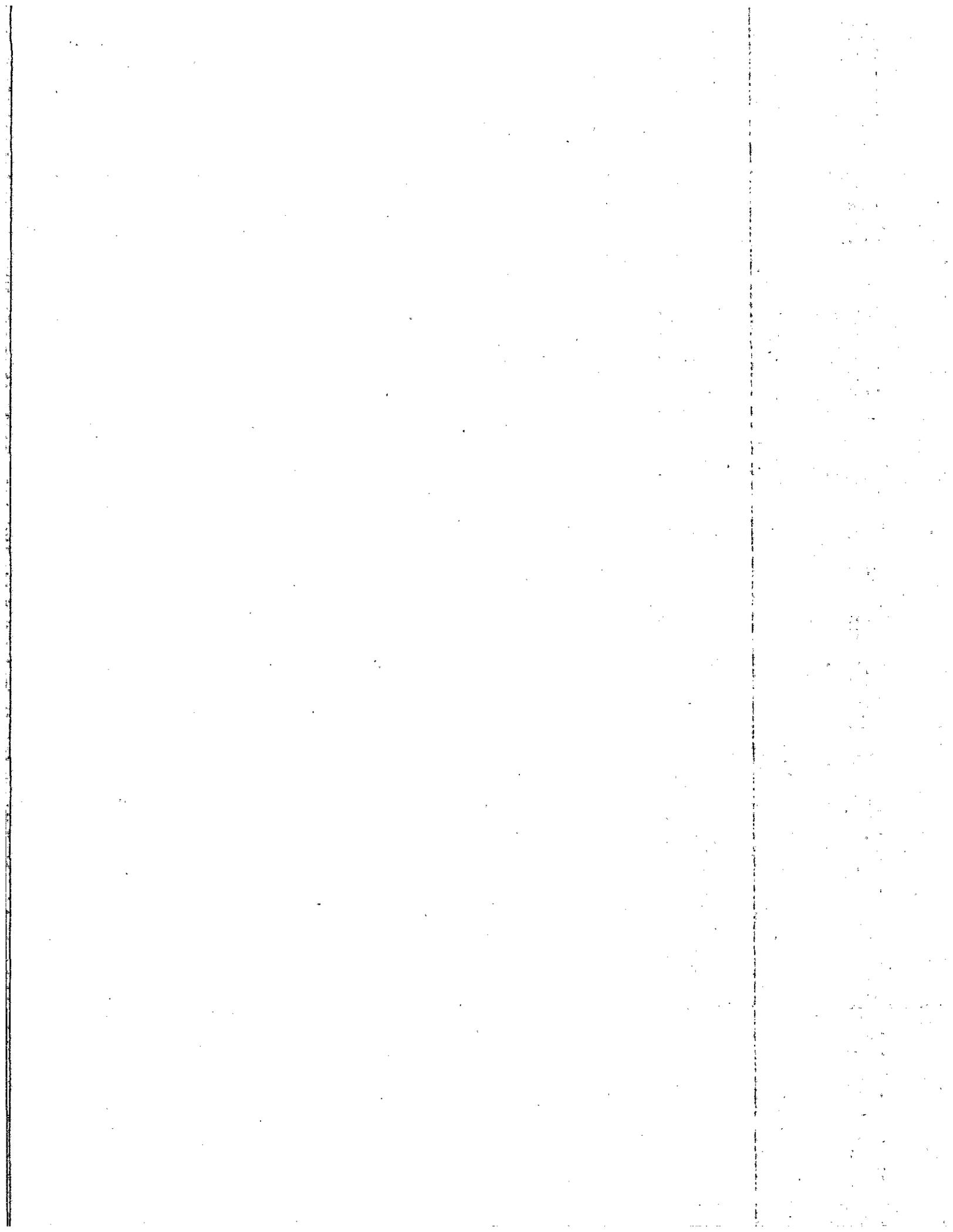
TITLE: STATION MAINTENANCE SUPERVISOR

TELEPHONE NUMBER: (909) 335-7759

TITLE V PERMIT ISSUED: May 09, 2000

TITLE V PERMIT EXPIRATION DATE: May 08, 2005

TITLE V	RECLAIM
YES	NOx: YES SOx: NO CYCLE: 2 ZONE: INLAND



FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO_x RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO_x emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

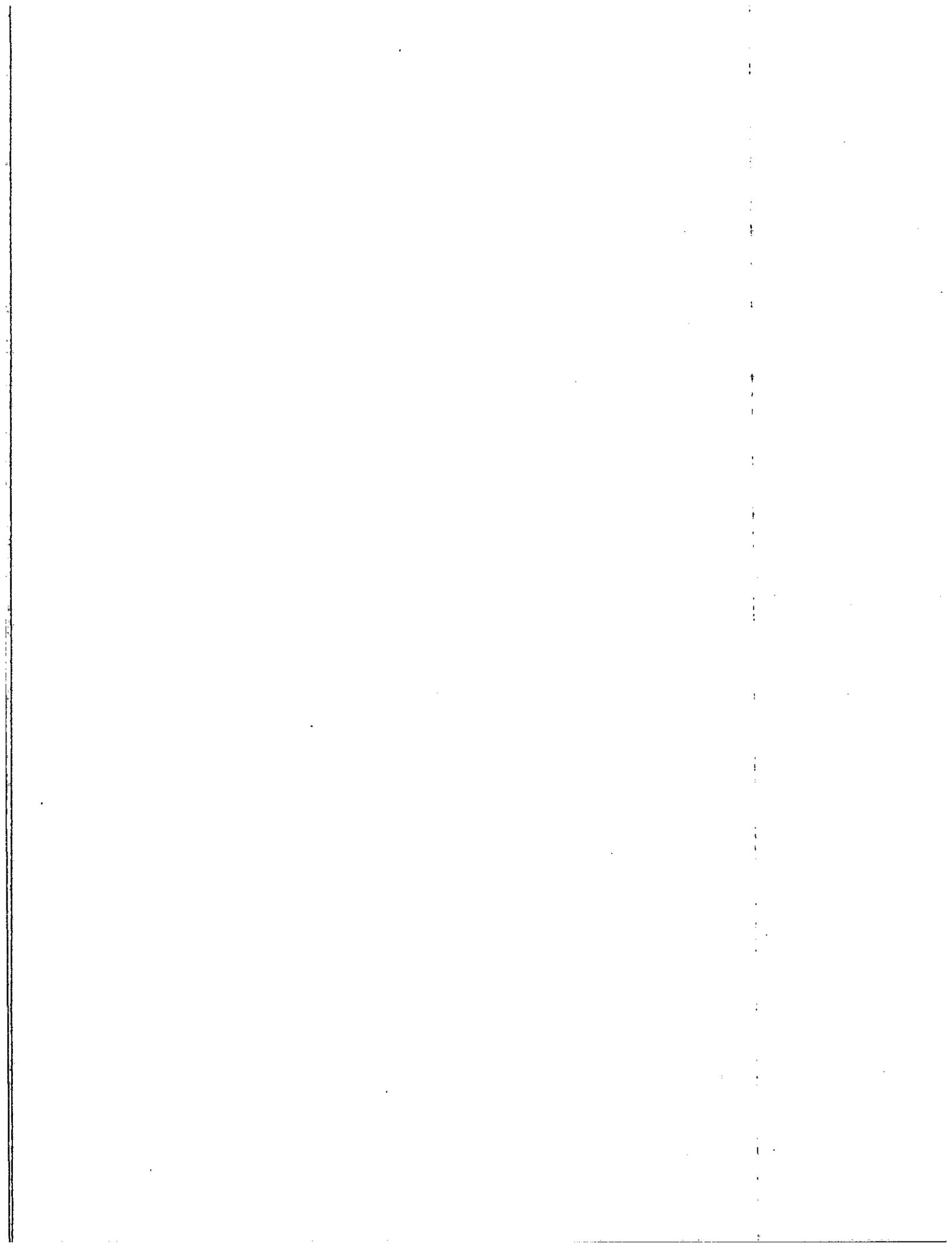
The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NO _x RTC Initially Allocated	NO _x RTC ¹ Holding as of 08/26/09 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2023	6 /2024	Inland	124679	96626	13465

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



**FACILITY PERMIT TO OPERATE
SAN DIEGO GAS & ELECTRIC**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase an annual allocation to a level greater than the facility's Starting Allocation plus Non-Tradable Credits as listed below, the application will be evaluated for compliance with Rule 2005(c)(4). Rule 2005(e)-Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC Starting Allocation (pounds)	Non-Tradable Credits(NTCs) (pounds)
Begin	End			
7/1994	6 /1995	Inland	633364	0

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

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					
System 1 : GAS TURBINE					
GAS TURBINE, NO. 4, NATURAL GAS, SOLAR, MODEL SATURN 1,000, 0.85 MW, 13.11 MMBTU/HR A/N: 01302E	D1		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 67 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
GAS TURBINE, NO. 5, NATURAL GAS, SOLAR, MODEL SATURN 1,000, 0.85 MW, 13.11 MMBTU/HR A/N: 01302E	D2		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 64 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
GAS TURBINE, NO. 6, NATURAL GAS, SOLAR, MODEL SATURN 1,000, 0.85 MW, 13.11 MMBTU/HR A/N: 01302E	D3		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 68 PPMV NATURAL GAS (3) [RULE 2012,12-7-1995;RULE 2012,4-9-1999] PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	

* (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 SAN DIEGO GAS & ELECTRIC

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. 7, NATURAL GAS, SOLAR, MODEL SATURN 1,000, 0.85 MW, 13.11 MMBTU/HR A/N: 01302E	D4		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982]; NOX: 68 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
System 2 : NON-EMERGENCY, IC ENGINE					
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, WESTERLY ENGINE, NO. 1, COMPRESSOR DRIVER, NATURAL GAS, CLARK, MODEL HSRA-8LEC, WITH STAGED COMBUSTION, TURBOCHARGER, AFTERCOOLER, LEAN BURN, TWO CYCLE, 995 HP A/N:	D5		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2,6-3-2005]; NOX: 150 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005]; PM: (9) [RULE 404,2-7-1986] ROG: 250 PPMV NATURAL GAS (5) [RULE 1110.2,6-3-2005]	H23.2
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, MIDDLE ENGINE, NO. 2, COMPRESSOR DRIVER, NATURAL GAS, CLARK, MODEL HSRA-8LEC, WITH STAGED COMBUSTION, TURBOCHARGER, AFTERCOOLER, LEAN BURN, TWO CYCLE, 995 HP A/N:	D6		NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2,6-3-2005]; NOX: 150 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005]; PM: (9) [RULE 404,2-7-1986]	H23.2

* (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 SAN DIEGO GAS & ELECTRIC

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					
				VOC: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005]	
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, EASTERLY ENGINE, NO. 3, COMPRESSOR DRIVER, NATURAL GAS, CLARK, MODEL HSRA-8LEC, WITH STAGED COMBUSTION, TURBOCHARGER, AFTERCOOLER, LEAN BURN, TWO CYCLE, 995 HP WITH A/N:	D7	C27	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005] ; NOX: 150 PPMV NATURAL GAS (3) [RULE 2012.5-6-2005] ; PM: (9) [RULE 404.2-7-1986]	H23.2
CO OXIDATION CATALYST	C27	D7		VOC: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005]	
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, NO. 8 , NATURAL GAS, COOPER BESSEMER, MODEL 8Q155HC2, WITH TURBOCHARGER, 3000 HP A/N:	D8		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005] ; PM: (9) [RULE 404.2-7-1986] ; VOC: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005]	
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, NO. 9, NATURAL GAS, COOPER BESSEMER, MODEL 8Q155HC2, WITH TURBOCHARGER, 3000 HP A/N:	D9		NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005] ; PM: (9) [RULE 404.2-7-1986] ; VOC: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005]	

* (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 SAN DIEGO GAS & ELECTRIC

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, NO. 10, NATURAL GAS, COOPER BESSEMER, MODEL 8V-275C2, WITH TURBOCHARGER, 3200 HP WITH A/N:	D10	C11	NOX: MAJOR SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005] ; PM: (9) [RULE 404,2-7-1986] ; VOC: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005].	
NON-SELECTIVE CATALYTIC REDUCTION	C11	D10			
System 3 : EMERGENCY ELECTRICAL GENERATION, IC ENGINE					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. 2 , NATURAL GAS, WAUKESHA, MODEL F1197GU, 200 HP WITH A/N: 195313	D12		NOX: PROCESS UNIT**	NOX: 753 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, D12.1, D135.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. 3 , NATURAL GAS, CATERPILLAR, MODEL G379HCNA, WITH TURBOCHARGER, 329 HP WITH A/N: 195312	D13		NOX: PROCESS UNIT**	NOX: 753 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, D12.1, D135.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. 4 , NATURAL GAS, WAUKESHA, MODEL 6NKR2G, 200 HP WITH A/N: 195314	D14		NOX: PROCESS UNIT**	NOX: 753 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, D12.1, D135.1

* (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 SAN DIEGO GAS & ELECTRIC

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					
GENERATOR					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NO. 1 , NATURAL GAS, CATERPILLAR, MODEL 3408, WITH CATALYTIC REDUCTION, 400 HP WITH A/N: 239200 GENERATOR	D15		NOX: PROCESS UNIT**	NOX: 753 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; PM: (9) [RULE 404,2-7-1986]	C1.1, D12.1, D135.1
Process 2 : R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E20			ROG: (9) [RULE 1113,11-8- 1996;RULE 1113,7-13-2007;RULE 1171,11-7-2003;RULE 1171,5-1- 2009]	K67.1
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E21			ROG: (9) [RULE 1171,11-7- 2003;RULE 1171,5-1-2009]	H23.1

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

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

**FACILITY PERMIT TO OPERATE
SAN DIEGO GAS & ELECTRIC**

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 SAN DIEGO GAS & ELECTRIC

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	1
D2	1	1	1
D3	1	1	1
D4	2	1	1
D5	2	1	2
D6	2	1	2
D7	3	1	2
D8	3	1	2
D9	3	1	2
D10	4	1	2
C11	4	1	2
D12	4	1	3
D13	4	1	3
D14	4	1	3
D15	5	1	3
E20	5	2	0
E21	5	2	0
C27	3	1	2

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D12, D13, D14, D15]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996]

[Devices subject to this condition : D12, D13, D14, D15]

D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

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

[Devices subject to this condition : D12, D13, D14, D15]

H. Applicable Rules

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

Contaminant	Rule	Rule/Subpart
ROG	District Rule	1122

[RULE 1122, 7-11-1997]

[Devices subject to this condition : E21]

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

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

[RULE 1110.2, 6-3-2005]

[Devices subject to this condition : D5, D6, D7]

K. Record Keeping/Reporting

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

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

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

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

[Devices subject to this condition : E20]



FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION E: ADMINISTRATIVE CONDITIONS

- a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
- a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]
 - e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]

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SECTION E: ADMINISTRATIVE CONDITIONS

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).

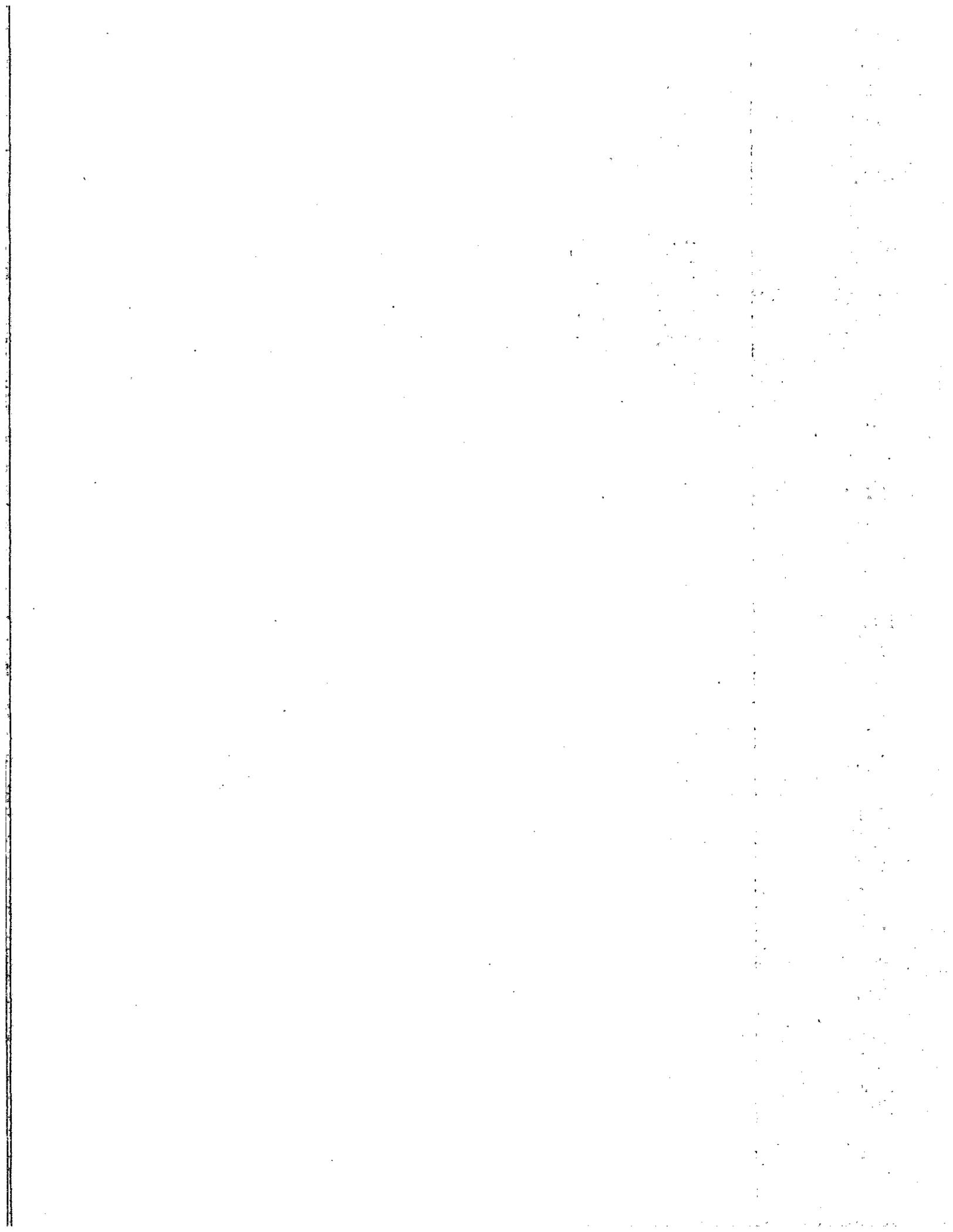
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.

11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION E: ADMINISTRATIVE CONDITIONS

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]



FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.
5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter and any device specified by the Executive Officer as necessary to determine monthly fuel usage or other applicable variables specified in Rule 2012, Appendix A, Table 3-A. The sharing of totalizing fuel meter may be allowed by the Executive Officer if the fuel meter serves large sources which have the same emission factor, concentration limit, or emission rate. The sharing of totalizing fuel meters shall not be allowed for large sources which are required to comply with an annual heat input limit. [2012]
2. Comply at all times with the specified NOx concentration limit in PPM measured over any continuous 60 minutes for that source or establish an equipment-specific emission rate that is reliable, accurate, representative of that sources emissions, and in accordance with the requirements specified in Rule 2012, Appendix A, Chapter 5. [2012]

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1; and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

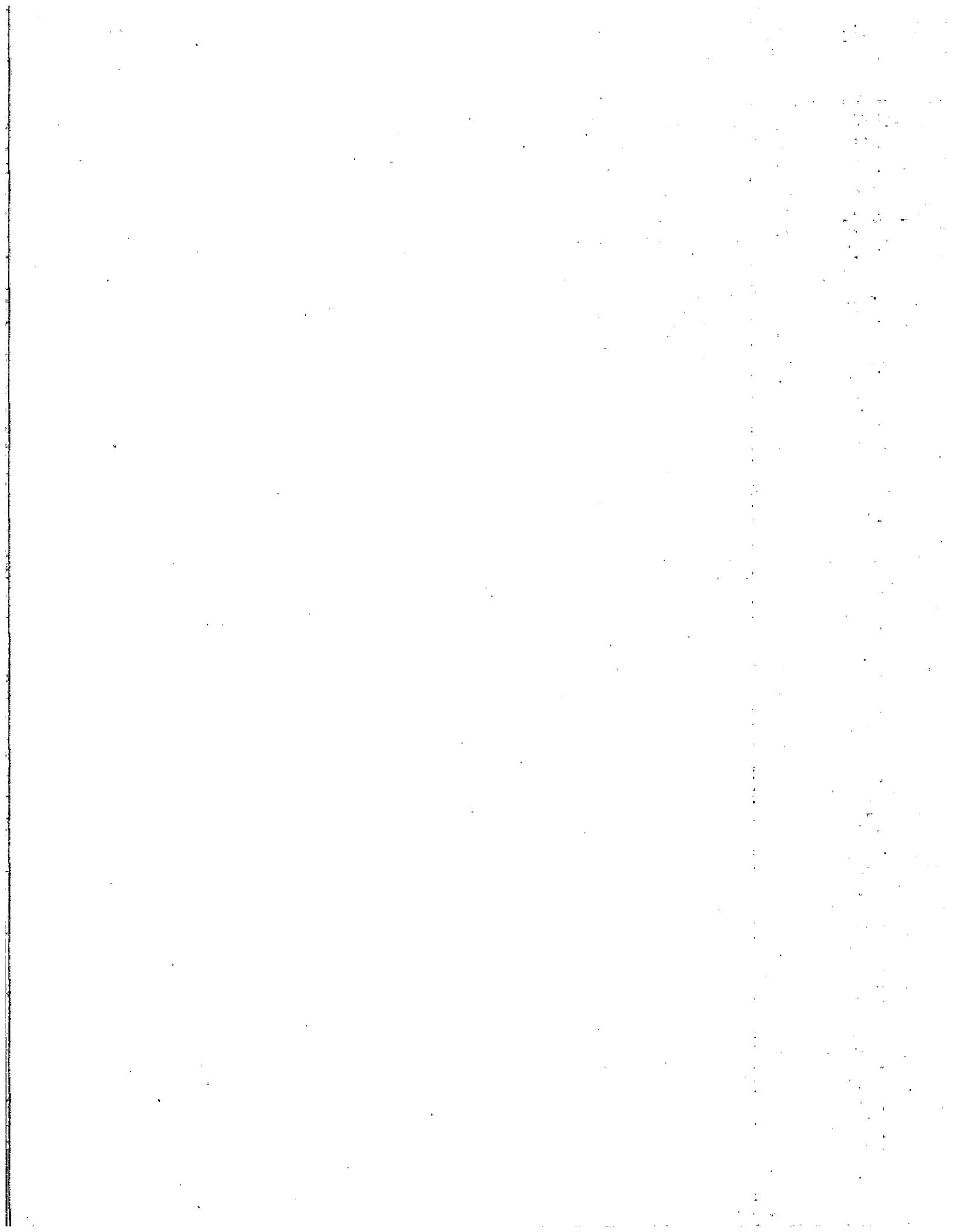
II. NOx Source Testing and Tune-up Conditions

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NOx source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]

**FACILITY PERMIT TO OPERATE
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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

3. All NO_x large sources and NO_x process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]



FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO_x or SO_x emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NO_x Reporting Requirements

- A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:
 1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NO_x source, the total daily mass emissions of NO_x and daily status codes. Such data

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]

2. Calculate NO_x emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
 3. Submit an electronic report within 15 days following the end of each month totaling NO_x emissions from all major NO_x sources during the month. [2012]
 4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]
- B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall:
1. Install, maintain and operate a modem or any reporting device approved by the Executive Officer to report, to the AQMD, the total monthly NO_x mass emissions from each large NO_x source. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. Such data shall be reported within 15 days after the end of each calendar month. [2012]
- C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall:
1. Electronically report the calculated quarterly NO_x emissions for each NO_x process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION					
System 2 : NON-EMERGENCY, IC ENGINE					
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, WESTERLY ENGINE, NO. 1, NATURAL GAS, CLARK, MODEL HSRA-8LEC, COMPRESSOR DRIVER, WITH STAGED COMBUSTION, AFTERCOOLER, TURBOCHARGER, 995 HP WITH A/N:	D5	C25	NOX: LARGE SOURCE**	CO: 2000 PPMV (5); CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005; RULE 1110.2.2-4-2008] ; NOX: 150 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005]	A99.1, A99.2, C12.1, D28.1, D28.2, H23.3
CO OXIDATION CATALYST, PLATINUM BASED, WITH AN AIR TO FUEL RATIO CONTROLLER, (WASTE GATE VALVE), EMBEDDED IN THE ENGINE CONTROL SYSTEM.	C25	D5		PM: (9) [RULE 404,2-7-1986] ; ROG: 250 PPMV NATURAL GAS (5); VOC: 30 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005; RULE 1110.2.2-1-2008]	
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, MIDDLE ENGINE, NO. 2, NATURAL GAS, CLARK, MODEL HSRA-8LEC, COMPRESSOR DRIVER, WITH STAGED COMBUSTION, AFTERCOOLER, TURBOCHARGER, 995 HP WITH A/N:	D6	C26	NOX: LARGE SOURCE**	CO: 2000 PPMV (5); CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005; RULE 1110.2.2-4-2008] ; NOX: 150 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005]	A99.1, A99.2, C12.1, D28.1, D28.2, H23.3

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

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

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION					
CO OXIDATION CATALYST, PLATINUM BASED, WITH AN AIR TO FUEL RATIO CONTROLLER (WASTE GATE VALVE), EMBEDDED IN THE ENGINE CONTROL SYSTEM.	C26	D6		PM: (9) [RULE 404,2-7-1986]; VOC: 30 PPMV NATURAL GAS (5) [RULE 1110.2,6-3-2005;RULE 1110.2,2-4-2008]; VOC: 250 PPMV (5)	
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, EASTERLY ENGINE, NO. 3, NATURAL GAS, HSRA-8LEC, CLARK, COMPRESSOR DRIVER, WITH STAGED COMBUSTION, AFTERCOOLER, TURBOCHARGER, 995 HP WITH A/N:	D7	C32	NOX: LARGE SOURCE**	CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2,6-3-2005]; CO: 64 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996] NOX: 150 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005]; PM: (9) [RULE 404,2-7-1986]; VOC: 30 PPMV NATURAL GAS (5) [RULE 1110.2,6-3-2005 RULE 1110.2,2-4-2008]; VOC: 250 PPMV (5)	A99.1, A99.2, C12.1, D28.1, D28.2, H23.3

* (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 SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION					
CO OXIDATION CATALYST, PLATINUM BASED, WITH AN AIR TO FUEL RATIO CONTROLLER (WASTE GATE VALVE), EMBEDDED IN THE ENGINE CONTROL SYSTEM.	C32	D7			
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, NO. 8, NATURAL GAS, COOPER BESSEMER, MODEL 8Q155HC2, WITH TURBOCHARGER, 3000 HP WITH A/N:	D8	C28	NOX: MAJOR SOURCE**	CO: 250 PPMV (5); CO: 2000 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005; RULE 1110.2.2-4-2008] ; PM: (9) [RULE 404,2-7-1986] VOC: 30 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005; RULE 1110.2.2-4-2008] ; VOC: 250 PPMV (5)	A99.1, A99.2, D28.1, D28.2, D82.1, E193.1, H23.3
CO OXIDATION CATALYST, PLATINUM BASED	C28	D8			
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, NO. 9, NATURAL GAS, COOPER BESSEMER, MODEL 8Q155HC2, WITH TURBOCHARGER, 3000 HP WITH A/N:	D9	C29	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5); CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005; RULE 1110.2.2-4-2008] ; PM: (9) [RULE 404,2-7-1986] VOC: 30 PPMV NATURAL GAS (5) [RULE 1110.2.6-3-2005; RULE 1110.2.2-4-2008] ; VOC: 250 PPMV (5)	A99.1, A99.2, D28.1, D28.2, D82.1, E193.1, H23.3

* (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 SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : INTERNAL COMBUSTION					
CO OXIDATION CATALYST, PLATINUM BASED	C29	D9			
INTERNAL COMBUSTION ENGINE, NON-EMERGENCY, NO. 10, NATURAL GAS, COOPER BESSEMER, MODEL 8V-275C2, WITH TURBOCHARGER, 3200 HP WITH A/N:	D10	C11	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5); CO: 250 PPMV NATURAL GAS (5) [RULE 1110.2.2-I-2008]; PM: (9) [RULE 404.2-7-1986]; VOC: 30 PPMV NATURAL GAS (5) [RULE 1110.2.2-I-2008]	A99.1, A99.2, D28.1, D28.2, D82.1, E193.1, H23.3
NON-SELECTIVE CATALYTIC REDUCTION, WITH OXIDATION CATALYST, PLATINUM BASED	C11	D10		VOC: 250 PPMV (5)	

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

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

**FACILITY PERMIT TO OPERATE
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SECTION H: DEVICE ID INDEX

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

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D5	1	1	2
D6	1	1	2
D7	2	1	2
D8	3	1	2
D9	3	1	2
D10	4	1	2
C11	4	1	2
C25	1	1	2
C26	2	1	2
C28	3	1	2
C29	4	1	2
C32	3	1	2

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

DEVICE CONDITIONS

A. Emission Limits

A99.1 The 250 PPM CO emission limit(s) shall not apply until July 1, 2010.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D5, D6, D7, D8, D9, D10]

A99.2 The 30 PPM VOC emission limit(s) shall not apply until July 1, 2010.

If the above-mentioned VOC limit is not achievable as demonstrated by the operator, an alternate technologically feasible VOC limit shall be established with approval from the Environmental Protection Agency

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D5, D6, D7, D8, D9, D10]

C. Throughput or Operating Parameter Limits

C12.1 The operator shall use this equipment in such a manner that the Engine brake horsepower being monitored as indicated below is less than 1000 BHP.

The operator shall install and maintain a display to accurately indicates the:

1. the brake horsepower

of the engine. In addition, the operator shall keep records, in a manner approved by the District, on quarterly basis.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D5, D6, D7]

D. Monitoring/Testing Requirements

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The test shall be conducted to demonstrate compliance with Rule 1110.2.

The District shall be notified of the date and time of the test at least 15 days prior to the test.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D5, D6, D7, D8, D9, D10]

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

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

The test shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The District shall be notified of the date and time of the test at least 15 days prior to the test.

The test shall be conducted to demonstrate compliance with Rule 1110.2.

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D5, D6, D7, D8, D9, D10]

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

NOX concentration in ppmv

[RULE 2012, 5-6-2005]

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

E. Equipment Operation/Construction Requirements

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

The catalyst inlet temperature shall be maintained to assure it does not exceed 1200 degrees Fahrenheit.

The operator shall operate and maintain a temperature measuring and recording system to measure and record exhaust temperature at the catalyst inlet pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. The system shall use a measuring device with a minimum accuracy tolerance of 2.20C or 0.75% of the temperature value, whichever is larger. The system shall be inspected, maintained, and calibrated on an annual basis. A temperature measurement shall be recorded every 15 min

For the purpose of this condition, an excursion shall be defined as when the recorded temperature is greater than 1200 degrees Fahrenheit occurs during the normal operation of the equipment it serves. The operator shall review the records of the catalyst bed inlet temperature on a daily basis to determine if an excursion occurs or shall install an alarm system to alert the operator when an excursion occurs.

Whenever an excursion occurs, the operator shall inspect this equipment to identify the cause of such an excursion, take immediate corrective actions to maintain the temperature below 1200 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the excursion and the corrective actions taken.

All excursions shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all excursions for each semi-annual reporting period specified in Condition No. 23, Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of excursions exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23, Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[40CFR Part 64, 10-22-1997]

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

H. Applicable Rules

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

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

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

[RULE 1110.2, 2-1-2008]

[Devices subject to this condition : D5, D6, D7, D8, D9, D10]

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

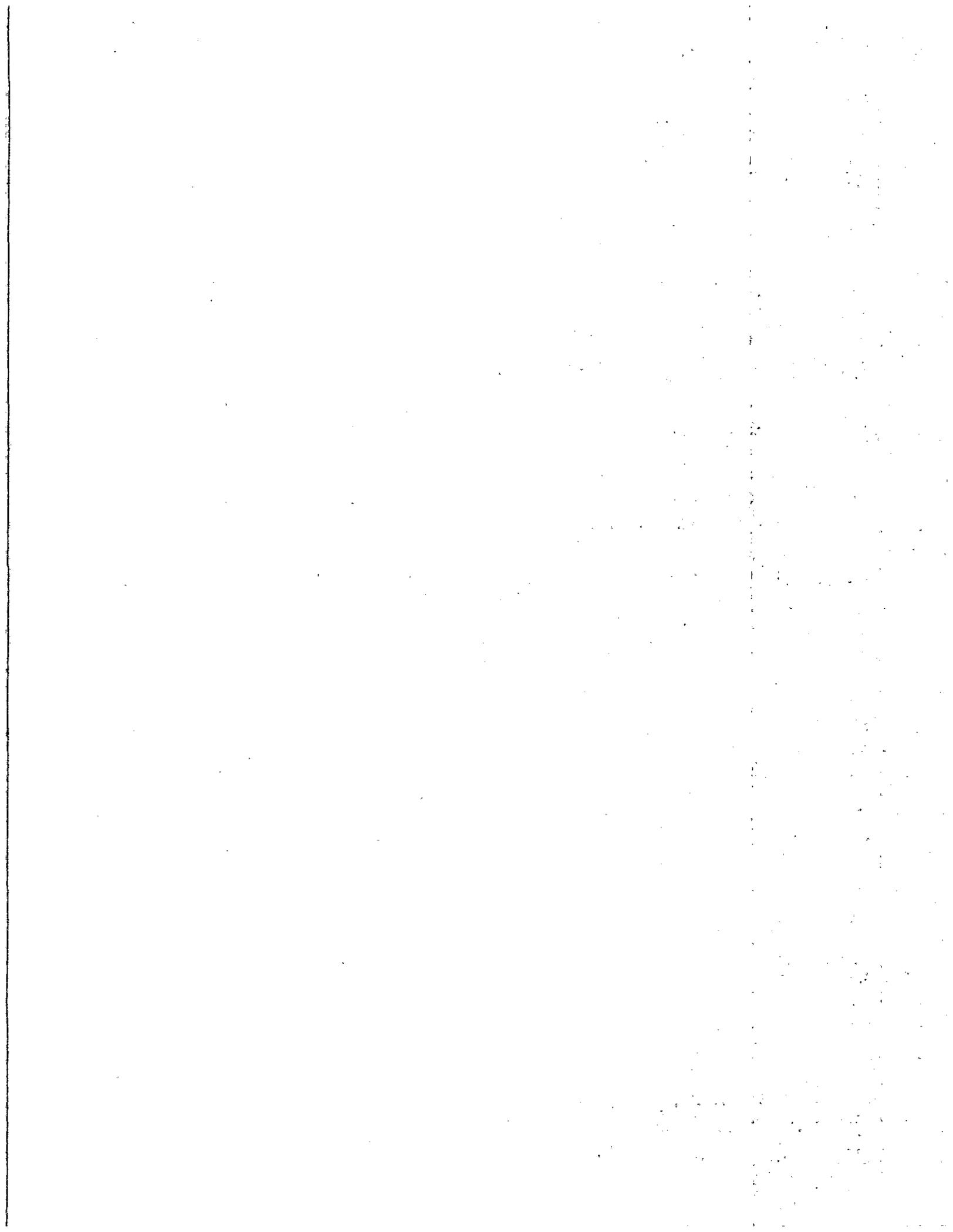
- a. The operator does not have to comply with NO_x or SO_x emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.
- b. The operator does not have to comply with NO_x or SO_x emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

List of approved plans:

Application	Rule
437367	3003
487311	1110.2

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.





South Coast Air Quality Management District

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

Facility ID: 4242
Date: August 25, 2009

COMPANY NAME: SAN DIEGO GAS & ELECTRIC
MAILING ADDRESS: 14601 VIRGINIA ST.
MORENO VALLEY, CA 92555

ATTENTION: MR. CLAUS LANGER, FIELD OPERATIONS MANAGER

APPLICATION NUMBER: 487311

RULE 1110.2 (f) (1) (D) INSPECTION AND MONITORING (I & M) PLAN FOR THE FACILITY LOCATED AT 14601 VIRGINIA ST., MORENO VALLEY, CA 92555

Please refer to the application you submitted for the evaluation of your Inspection and Monitoring (I & M) plan under District Rule 1110.2 (f) (1) (D), for the facility described above.

The Rule 1110.2 Inspection & Monitoring plan you submitted has been APPROVED.

A copy of your approved plan, together with any addendum, statements or declarations you provided during the evaluation of your plan, is attached. In accordance with Rule 1110.2 (f)(1)(D)(ix), any change in equipment, control equipment, operating conditions or emission limits will require that you submit an application to the District for the revision of your I & M plan.

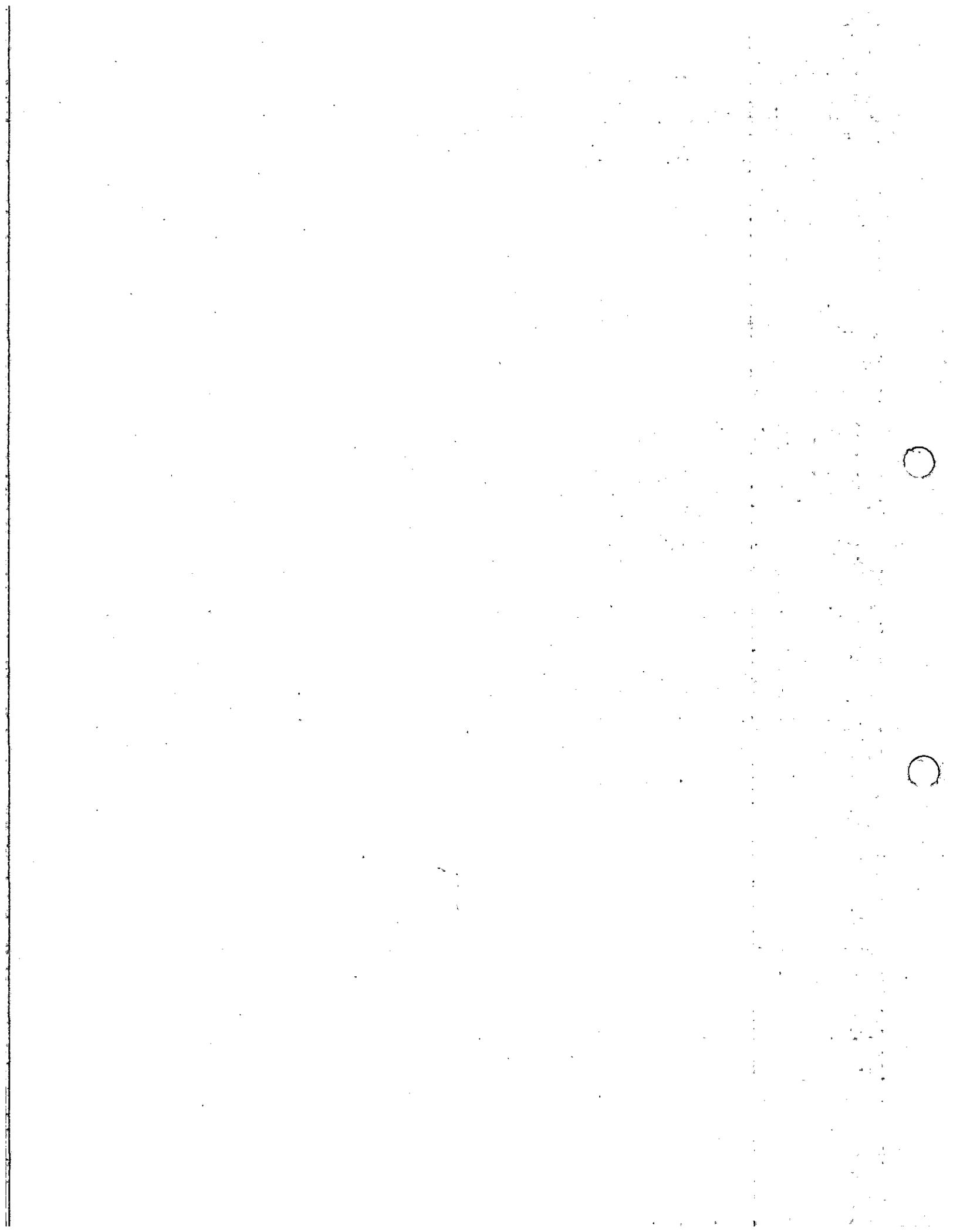
If you have any questions about this approval, please call Mr. Hemang Desai at (909) 396-2596.

Very truly yours,

Mark Liu
Air Quality and Compliance Supervisor
General Commercial and Energy Unit

cc: Enforcement (Approval Letter only)

Enclosure(s)



Rule 1110.2 Inspection & Maintenance (I&M) Plan

San Diego Gas and Electric (A Sempra Energy Utility)

Moreno Valley Compressor station

Permit # 004242

I&M Plan Version 1

Version Date: August 2008

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Table 1: Lean Burn Two Stroke with CEMS System Malfunction Events

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Table 3: Lean Burn Two Stroke With Catalyst System Malfunction Events

Table 4: Lean Burn Two Stroke With out Oxidation Catalyst System Malfunction Events

1. Introduction

This I&M plan satisfies Rule 1110.2 requirements for San Diego Gas and Electric's (SDGE), Sempra Energy Utility, Moreno Compressor Station's six, two-stroke lean burn engines, device numbers D5, D6, D7, D8, D9, and D10. SDGE's Moreno Station is a RECLAIM facility and therefore this I&M Plan only addresses Volatile Organic Compounds (VOCs) and Carbon Monoxide (CO) and not Nitrogen Oxides (NO_x) requirements. SDGE proposes to utilize the "other equivalent Air Fuel Ratio technology option" as allowed by Rule 1110.2 (d)(1)(E).

SECTION A

Lean Burn Two Stroke Engines with CEMS, Device No.; D8 and D9

This addresses the following Equipment at the Facility

Internal Combustion engine, Non-Emergency, No. 8, Natural Gas, Cooper Bessemer, Model 8Q155HC2, with Turbocharger, 3000 HP

Internal Combustion engine, Non-Emergency, No. 9, Natural Gas, Cooper Bessemer, Model 8Q155HC2, with Turbocharger, 3000 HP

These engines are equipped with a CEMS in accordance with Regulation XX (RECLAIM). As such, per Rule 1110.2 sections (d)(1)(E) & (f)(1)(D)(iii)(III), these engines do not require an Air to Fuel Ratio Controller (AFRC) or NO_x emission checks.

2.0 Engine and Control Equipment Operating Parameters

2.1 AFRC Tuning Procedures

AFRC tuning is not done on a specific timeframe, but rather when the operator suspects a tuning is needed to maintain compliance and to pass emission checks as required by Rule 1110.2 (f)(1)(D)(iii.) Using a portable emission analyzer, traditional Reference Method analyzers, or any other analyzer, the appropriate Air Manifold Pressure (AMP) is determined for each load range based on compliance with the permitted NO_x limit. Although Rule 1110.2 NO_x requirements do not apply to these RECLAIM engines, NO_x is used for tuning because it is more sensitive to AFRC than CO. If necessary, adjustments are made to the fuel flow vs. AMP curve in the engine's controller. The tuning process may be conducted at a single load or multiple loads as the operator deems necessary or that are available on the day of testing. A record of the tuning activity will be kept on file.

2.2 Procedure for Verifying Proper Operation of AFRC

AFRC operation is verified at least once per operating day by checking and recording the following operating parameters:

- NOx Continuous Emission Monitoring System (CEMS)
- AFRC Alarm

2.3 Procedures for Reestablishing AFRC Set Point(s)

Oxygen sensor based AFRC require periodic adjustment of the AFRC set points due to sensor degradation. This is not the case for lean burn engine turbocharger waste gate controls. However, the AFRC algorithm may be refined by using the tuning procedure described above in 2.1.

2.4 Maximum Exhaust Temperature at the Catalyst Inlet

Not applicable

3.0 Alarm Annunciation

The AFRC alarm is connected to the station control system such that the operator receives a visual and audible alarm on the system display.

4.0 Emission Checks

Emission Compliance Check Procedures (Portable Analyzer)

4.1 Protocol

The most recent approved version of the South Coast Air Quality Management District's (SCAQMD) Protocol for the Periodic Monitoring of NO_x, CO, and Oxygen (O₂) from Stationary Engines Subject to SCAQMD Rule 1110.2 will be used to conduct emission compliance checks.

Note: NO_x measurements are not required for RECLAIM engines.

4.2 Procedure

The sample will be collected from a single point as described in the SCAQMD Protocol, and drawn through a stainless steel tube dropped from the sampling location down to a convenient and safe elevation. The tubing does not need to be heated since CO and O₂ loss does not occur with moisture drop out.

For accurate compliance determination, span gas will be selected so that it is approximately between twenty-five (25) and a hundred (100) percent of the permitted limit at stack oxygen concentration.

4.3 Prohibitions

Engine or control system maintenance or tuning for the purpose of lowering tested emissions may not be conducted within seventy two (72) hours prior to an emission check in accordance with Rule 1110.2, unless it is an unscheduled, required repair.

5.0 Daily Monitoring

At least daily monitoring, inspection, and recordkeeping of the following parameters:

- (I) Brake Horsepower (BHP)
- (II) Reserved for Maximum Catalyst Temperature
- (III) Engine elapse operating time meter.
- (IV) Operating hours since the last emission check.
- (V) Reserved for rich burn engines – this section is not applicable to these engines.

(VI) AFRC Alarm

The AFRC is equipped with an alarm that indicates the following fault conditions:

AMP is not within 0.5"Hg of its set point.

If the difference between a fuel based horsepower (HP) calculation and measured Brake HP (BHP) exceed 10%, it is an indication that combustion quality has been compromised, possibly by the AFRC providing too much or too little air to the engine. The fuel base HP is a simple curve of HP vs. volumetric fuel rate from the dedicated engine fuel meter. Fuel meter accuracy is assured under the RECLAIM program. The BHP is determined by the engine control system based on measurements made on the compressor and is completely independent of the AFRC.

6.0 Procedures for Responding to Alarms

When an alarm occurs, operating parameters are found out of range, or an emission check shows concentrations above permit limits, corrective action is taken. Correction actions are described in Table 1.

6.1 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check within. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

6.2 Parameters Out of Range

For problems associated with parameters that are out of range, the operator shall correct the problem and demonstrate compliance with another emission check within 48 hours of the operator first knowing of the problem. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

7.0 Preventative and Corrective Maintenance

Preventative maintenance procedures include but are not limited to the following:

- Engines are tuned in accordance within the schedules established under RECLAIM.

Corrective maintenance procedures can be found in Table 1.

8.0 Procedures for Reporting and Recordkeeping

8.1 Breakdowns

A breakdown resulting in a violation of the Rule or a permit condition shall be reported in accordance with the reporting requirements outlined in Rule 1110.2(f)(1)(H).

8.2 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

8.3 Quarterly Reporting

Within 15 days of the end of each calendar quarter, the facility shall submit to the Executive Officer a report as outlined in Rule 1110.2(f)(1)(H)(iii).

8.4 Recordkeeping

All data, logs, test reports and other information required by this rule will be maintained for at least five years and made available for inspection by the Executive Officer.

8.5 Plan revisions

Updates to the plan will be submitted in accordance with AQMD rules and regulations

Table 1: Lean Burn Two Stoke With CEMS System Malfunction Events

Condition	Cause	Corrective Action
AFRC Alarm	AFRC failure	Verify calibration of AFRC and AFRC alarm inputs.
	Ignition problem	Troubleshoot ignition controller, coils, and spark plugs. Adjust or replace components as required.
	Fuel supply problem	Inspect fuel supply, fuel regulator(s), and fuel valves. Adjust or replace components as required.
	Combustion air delivery system problem	Check for problems that may cause high air manifold temperature, air cooling system failure, or clogged air filter or intake air system.
	Instrumentation Failure	Adjust or replace components as necessary.
Emissions found over limit	Emissions Analyzer	Inspect analyzer, check for leaks, obstructions, etc. Re-calibrate analyzer.
	AFRC system problem	Review causes above for AFRC alarm.

SECTION B

Lean Burn Two Stroke Engine with Oxidation Catalyst and CEMS, Device No. D10

Internal Combustion engine, Non-Emergency, No. 10, Natural Gas, Cooper Bessemer, Model 8V-275C2, with Turbocharger, 3000 HP, With NSCR, C11.

This engine is equipped with a CEMS in accordance with Regulation XX (RECLAIM). Per Rule 1110.2 sections (d)(1)(E) & (f)(1)(D)(iii)(III) ; this engine does not require a AFRC or NOx emission checks.

2.0 Engine and Control Equipment Operating Parameters

2.1 AFRC Tuning Procedures

AFRC tuning is not done on a specific timeframe, but rather when the operator suspects a tuning is needed to maintain compliance and to pass emission checks as required by Rule 1110.2 (f)(1)(D)(iii.) Using a portable emission analyzer, traditional Reference Method analyzers, or any other analyzer, the appropriate AMP is determined for each load range based on compliance with the permitted NOx limit. Although Rule 1110.2 NOx requirements do not apply to these RECLAIM engines, NOx is used for tuning because it is more sensitive to AFRC than CO. If necessary, adjustments are made to the fuel flow vs. AMP curve in the engine's controller. The tuning process may be conducted at a single load or multiple loads as the operator deems necessary or that are available on the day of testing. A record of the tuning activity will be kept on file.

2.2 Procedure for Verifying Proper Operation of AFRC

AFRC operation is verified at least once per operating day by checking and recording the following operating parameters:

- NOx CEMS
- AFRC Alarm

2.3 Procedures for Reestablishing AFRC Set Point(s)

Oxygen sensor based AFRC require periodic adjustment of the AFRC set points due to sensor degradation. This is not the case for lean burn engine turbocharger waste gate controls. However, the AFRC algorithm may be refined by using the tuning procedure described above in 2.1.

2.4 Maximum Exhaust Temperature at the Catalyst Inlet

The maximum exhaust temperature at the catalyst inlet is 1350°F. Compliance with this requirement is assured through the use of a high temperature shut down set at 1300°F on exhaust at the catalyst outlet. Catalyst outlet is used rather than inlet because the shut-down will also detect an overheating catalyst.

3.0 Alarm Annunciation

The AFRC alarm is connected to the station control system such that the operator receives a visual and audible alarm on the system display.

4.0 Emission Compliance Check Procedures (Portable Analyzer)

4.1 Protocol

The most recent approved version of the SCAQMD Protocol for the Periodic Monitoring of NO_x, CO, and O₂ from Stationary Engines Subject to SCAQMD Rule 1110.2 will be used to conduct emission compliance checks.

Note: NO_x measurements are not required for RECLAIM engines.

4.2 Procedure

The sample will be collected from a single point as described in the SCAQMD Protocol, and drawn through a stainless steel tube dropped from the sampling location down to a convenient and safe elevation. The tubing does not need to be heated since CO and O₂ loss does not occur with moisture drop out.

For accurate compliance determination, span gas will be selected so that it is approximately between 25 and 100 percent of the permitted limit at stack oxygen concentration.

4.3 Prohibitions

Engine or control system maintenance or tuning for the purpose of lowering tested emissions may not be conducted within 72 hours prior to an emission check in accordance with Rule 1110.2, unless it is an unscheduled, required repair.

5.0 Daily Monitoring

At least daily monitoring, inspection, and recordkeeping of the following parameters:

I. Brake Horsepower (BHP)

II. The oxidation catalyst works over a wide range of AFR. Therefore, it is not necessary to monitor specific AFRC operating parameters, but rather, the AFRC alarm is sufficient to verify proper operation of the AFRC. See (VI) below.

- Catalyst Maximum Temperature (measured at Catalyst Outlet), 1350°F

III. Engine elapse operating time meter.

IV. Operating hours since the last emission check.

V. Reserved for rich burn engines – this section is not applicable to these engines.

VI. AFRC Alarm

The AFRC is equipped with an alarm that indicates the following fault conditions:

- AMP is not within 0.5"Hg of its set point.
- If the difference between a fuel based horsepower (HP) calculation and measured Brake HP (BHP) exceed 10%, it is an indication that combustion quality has been compromised, possibly by the AFRC providing too much or too little air to the engine. The fuel base HP is a simple curve of HP vs. volumetric fuel rate from the dedicated engine fuel meter. Fuel meter accuracy is assured under the RECLAIM program. The BHP is determined by the engine control system based on measurements made on the compressor and is completely independent of the AFRC.

6.0 Procedures for Responding to Alarms

When an alarm occurs, operating parameters are found out of range, or an emission check shows concentrations above permit limits, corrective action is taken. Correction actions are described in Table 2.

6.1 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

6.2 Parameters Out of Range

For problems associated with parameters that are out of range, the operator shall correct the problem and demonstrate compliance with another emission check within 48 hours of the operator first knowing of the problem. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

7.0 Preventative and Corrective Maintenance

Preventative maintenance procedures include but are not limited to the following:

- Engines are tuned in accordance within the schedules established under RECLAIM.
- Catalysts are replaced as indicated through emission check(s) and after thorough analysis in accordance with the fundamental troubleshooting guide depicted in Table 2, if applicable.

Corrective maintenance procedures can be found in Table 2

8.0 Procedures for Reporting and Recordkeeping

8.1 Breakdowns

A breakdown resulting in a violation of the Rule or a permit condition shall be reported in accordance with the reporting requirements outlined in Rule 1110.2(f)(1)(H).

8.2 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

8.3 Quarterly Reporting

Within 15 days of the end of each calendar quarter, the facility shall submit to the Executive Officer a report as outlined in Rule 1110.2(f)(1)(H)(iii).

8.4 Recordkeeping

All data, logs, test reports and other information required by this rule will be maintained for at least five years and made available for inspection by the Executive Officer.

8.5 Plan revisions

Updates to the plan will be submitted in accordance with AQMD rules and regulations

Table 2: Lean Burn Two Stroke With CEMS and Catalyst System Malfunction Events

Condition	Cause	Corrective Action
AFRC Alarm	AFRC failure	Verify calibration of AFRC and AFRC alarm inputs.
	Ignition problem	Troubleshoot ignition controller, coils, and spark plugs. Adjust or replace components as required.
	Fuel supply problem	Inspect fuel supply, fuel regulator(s), and fuel valves. Adjust or replace components as required.
	Combustion air delivery system problem	Check for problems that may cause high air manifold temperature, air cooling system failure, or clogged air filter or intake air system.
	Instrumentation Failure	Adjust or replace components as necessary.
Catalyst temperature too high	Engine overloaded	Obtain appropriate load on equipment.
	AFRC failure	Verify calibration of AFRC and AFRC alarm inputs.
	Ignition Problem	Troubleshoot ignition controller, coils, and spark plugs. Adjust or replace components as required.
	Fuel supply problem	Inspect fuel supply, fuel regulator(s), and fuel valves. Adjust or replace components as required.
	Detonation	Check ignition system, AFR controller, fuel supply and air supply systems. Adjust
	Combustion air delivery system problem	Check for problems that may cause high air manifold temperature, air cooling system failure, or clogged air filter or intake air system.
	Instrumentation Failure	Adjust or replace components as necessary
Emissions found over limit	Emissions Analyzer	Inspect analyzer, check for leaks, obstructions, etc. Re-calibrate analyzer.
	AFRC system problem	Review causes above for AFRC alarm.
	Catalyst fouling	Visually check catalyst for fouling. Check engine condition.
	Catalyst mechanical failure.	Visually check catalyst for mechanical damage which may be caused by vibration, excessive temperature, or engine backfire. Clean, repair, or replace catalyst.
	Exhaust by-passing	Inspect catalyst structure for gaps, and for proper placement of sealing gasket material. Block openings or replace catalyst. Readjust sealing material, or install new material.
	Catalyst degradation or poisoned	Replace catalyst. Usually determined after ruling out all other causes.

SECTION C

Lean Burn Two Stroke with CO Oxidation catalyst. Device No. D7

As an operator of more than 15 ICEs, pursuant to Rule 1110.2 e(4)(D), Sempra Energy Utilities (SDGE and Southern California Gas Company) will begin implementing the I & M plan on June 1, 2009 for the following locations and ICEs

Internal Combustion Engine, Non-Emergency, Easterly Engine No. 3, Compressor driver, Natural Gas, Clark, Model HSRA-8LEC, with staged combustion, Turbocharger, Aftercooler, Lean Burn, Two Cycle, 995 HP, With CO Oxidation Catalyst, ID.C27. SCAQMD Device ID: D7.

SDGE proposes to utilize the "other equivalent Air Fuel Ratio technology option" as allowed by Rule 1110.2 (d)(1)(E)

Description of Turbocharger Waste Gate Air Fuel Ratio Control (AFRC)

The AFRC algorithm is programmed into the engine/compressor unit control panel. The control algorithm uses the following inputs:

- Air manifold pressure (AMP), "Hg (This value is also called "boost pressure")
- Fuel flow, scfh
- Air manifold temperature (AMT), F

The algorithm output is:

- Turbocharger waste gate valve position signal

To set up the AFRC, emission and performance tests are conducted over the engine's operating range. The results are used to develop equations for AMP vs. fuel flow as a means of characterizing in-cylinder AFR. The control measures AMP and compares it to the expected value calculated from fuel flow to maintain the desired AFR. If the AMP isn't high enough, the control closes the turbocharger waste gate valve. More exhaust drives the turbocharger, so air flow and pressure increase leaning the AFR. If the AMP is too high, the control opens the turbocharger waste gate valve. Less exhaust drives the turbocharger, so air flow and pressure decreases, richening the AFR. When the desired AMP is satisfied, the waste gate valve is not moved.

Because a change in AMT affects air density and therefore the in-cylinder AFR, the algorithm also includes an offset to account for temperature affects. Although variation in AMT is considered normal, the goal is to keep it relatively stable through the use of an intercooler between the turbocharger and air manifold.

2.0 Engine and Control Equipment Operating Parameters

2.1 AFRC Tuning Procedures

AFRC tuning is not done on a specific timeframe, but rather when the operator suspects a tuning is needed to maintain compliance and to pass emission checks as required by Rule 1110.2 (f)(1)(D)(iii.) Using a portable emission analyzer, traditional Reference Method analyzers, or any other analyzer, the appropriate AMP is determined for each load range based on compliance with the permitted NO_x limit. Although Rule 1110.2 NO_x requirements do not apply to these RECLAIM engines, NO_x is used for tuning because it is more sensitive to AFRC than CO. If necessary, adjustments are made to the fuel flow vs. AMP curve in the engine's controller. The tuning process may be conducted at a single load or multiple loads as the operator deems necessary or that are available on the day of testing. A record of the tuning activity will be kept on file.

2.2 Procedure for Verifying Proper Operation of AFRC

AFRC operation is verified at least once per operating day by checking and recording the following operating parameters:

- AFRC Alarm

2.3 Procedures for Reestablishing AFRC Set Point(s)

Oxygen sensor based AFRC require periodic adjustment of the AFRC set points due to sensor degradation. This is not the case for lean burn engine turbocharger waste gate controls. However, the AFRC algorithm may be refined by using the tuning procedure described above in 2.1.

2.4 Maximum Exhaust Temperature at the Catalyst Inlet

The maximum exhaust temperature at the catalyst inlet is 1350°F. Compliance with this requirement is assured through the use of a high temperature shut down set at 1300°F on exhaust at the catalyst outlet. Catalyst outlet is used rather than inlet because the shut-down will also detect an overheating catalyst.

3.0 Alarm Annunciation

The AFRC alarm is connected to the station control system such that the operator receives a visual and audible alarm on the system display.

4.0 Emission Checks

Emission Compliance Check Procedures (Portable Analyzer)

4.1 Protocol

The most recent approved version of the SCAQMD Protocol for the Periodic Monitoring of NO_x, CO, and O₂ from Stationary Engines Subject to SCAQMD Rule 1110.2 will be used to conduct emission compliance checks.

Note: NO_x measurements are not required for RECLAIM engines.

4.2 Procedure

The sample will be collected from a single point as described in the SCAQMD Protocol, and drawn through a stainless steel tube dropped from the sampling location down to a convenient and safe elevation. The tubing does not need to be heated since CO and O₂ loss does not occur with moisture drop out.

For accurate compliance determination, span gas will be selected so that it is approximately between 25 and 100 percent of the permitted limit at stack oxygen concentration.

4.3 Prohibitions

Engine or control system maintenance or tuning for the purpose of lowering tested emissions may not be conducted within 72 hours prior to an emission check in accordance with Rule 1110.2, unless it is an unscheduled, required repair.

5.0 Daily Monitoring

At least daily monitoring, inspection, and recordkeeping of the following parameters:

- I. Brake Horsepower (BHP)
- II. The oxidation catalyst works over a wide range of AFR. Therefore, it is not necessary to monitor specific AFRC operating parameters, but rather, the AFRC alarm is sufficient to verify proper operation of the AFRC. See (VI) below.

Catalyst Maximum Temperature (measured at Catalyst Outlet), 1350°F

- III. Engine elapse operating time meter.
- IV. Operating hours since the last emission check.
- V. Reserved for rich burn engines – this section is not applicable to these engines.

VI. AFRC Alarm

The AFRC is equipped with an alarm that indicates the following fault conditions:

- AMP is not within 0.5"Hg of its set point.
- If the difference between a fuel based horsepower (HP) calculation and measured Brake HP (BHP) exceed 10%, it is an indication that combustion quality has been compromised, possibly by the AFRC providing too much or too little air to the engine. The fuel base HP is a simple curve of HP vs. volumetric fuel rate from the dedicated engine fuel meter. Fuel meter accuracy is assured under the RECLAIM program. The BHP is determined by the engine control system based on measurements made on the compressor and is completely independent of the AFRC.

6.0 Procedures for Responding to Alarms

When an alarm occurs, operating parameters are found out of range, or an emission check shows concentrations above permit limits, corrective action is taken. Correction actions are described in Table 3.

6.1 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

6.2 Parameters Out of Range

For problems associated with parameters that are out of range, the operator shall correct the problem and demonstrate compliance with another emission check within 48 hours of the operator first knowing of the problem. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

7.0 Preventative and Corrective Maintenance

Preventative maintenance procedures include but are not limited to the following:

- Engines are tuned in accordance within the schedules established under RECLAIM.
- Catalysts are replaced as indicated through emission check(s) and after thorough analysis in accordance with the fundamental troubleshooting guide depicted in Table 3, if applicable.

Corrective maintenance procedures can be found in Table 3

8.0 Procedures for Reporting and Recordkeeping

8.1 Breakdowns

A breakdown resulting in a violation of the Rule or a permit condition shall be reported in accordance with the reporting requirements outlined in Rule 1110.2(f)(1)(H).

8.2 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

8.3 Quarterly Reporting

Within 15 days of the end of each calendar quarter, the facility shall submit to the Executive Officer a report as outlined in Rule 1110.2(f)(1)(H)(iii).

8.4 Recordkeeping

All data, logs, test reports and other information required by this rule will be maintained for at least five years and made available for inspection by the Executive Officer.

8.5 Plan revisions

Updates to the plan will be submitted in accordance with AQMD rules and regulations

Table 3: Lean Burn Two Stroke With Catalyst System Malfunction Events

Condition	Cause	Corrective Action
AFRC Alarm	AFRC failure	Verify calibration of AFRC and AFRC alarm inputs.
	Ignition problem	Troubleshoot ignition controller, coils, and spark plugs. Adjust or replace components as required.
	Fuel supply problem	Inspect fuel supply, fuel regulator(s), and fuel valves. Adjust or replace components as required.
	Combustion air delivery system problem	Check for problems that may cause high air manifold temperature, air cooling system failure, or clogged air filter or intake air system.
	Instrumentation Failure	Adjust or replace components as necessary.
Catalyst temperature too high	Engine overloaded	Obtain appropriate load on equipment.
	AFRC failure	Verify calibration of AFRC and AFRC alarm inputs.
	Ignition Problem	Troubleshoot ignition controller, coils, and spark plugs. Adjust or replace components as required.
	Fuel supply problem	Inspect fuel supply, fuel regulator(s), and fuel valves. Adjust or replace components as required.
	Detonation	Check ignition system, AFR controller, fuel supply and air supply systems. Adjust
	Combustion air delivery system problem	Check for problems that may cause high air manifold temperature, air cooling system failure, or clogged air filter or intake air system.
	Instrumentation Failure	Adjust or replace components as necessary.
Emissions found over limit	AFRC system problem	Review causes above for AFRC alarm.
	Catalyst fouling	Visually check catalyst for fouling. Check engine condition.
	Catalyst mechanical failure.	Visually check catalyst for mechanical damage which may be caused by vibration, excessive temperature, or engine backfire. Clean, repair, or replace catalyst.
	Exhaust by-passing.	Inspect catalyst structure for gaps, and for proper placement of sealing gasket material. Block openings or replace catalyst. Readjust sealing material, or install new material.
	Catalyst degradation or poisoned	Replace catalyst. Usually determined after ruling out all other causes.

SECTION D

Lean Burn Two Stroke Large Sources With Out Catalyst, Device No. D5 and D6

As an operator of more than 15 ICEs, pursuant to Rule 1110.2 e(4)(D), SEU will be delaying the implementation of the I & M plans until June 1, 2009 for the following locations and ICEs

Internal Combustion Engine, Non-Emergency, Westerly Engine No. 1, Compressor driver, Natural Gas, Clark, Model HSRA-8LEC, with staged combustion, Turbocharger, Aftercooler, Lean Burn, Two Cycle 995 HP, SCAQMD Device ID: D5.

Internal Combustion Engine, Non-Emergency, Middle Engine No. 2, Compressor driver, Natural Gas, Clark, Model HSRA-8LEC, with staged combustion, Turbocharger, Aftercooler, Lean Burn, Two Cycle 995 HP, SCAQMD Device ID: D6.

SDGE proposes to utilize the "other equivalent Air Fuel Ratio technology option" as allowed by Rule 1110.2 (d)(1)(E)

Description of Turbocharger Waste Gate Air Fuel Ratio Control (AFRC)

The AFRC algorithm is programmed into the engine/compressor unit control panel. The control algorithm uses the following inputs:

Air manifold pressure (AMP), "Hg (This value is also called "boost pressure")

Fuel flow, scfh

Air manifold temperature (AMT), F

The algorithm output is:

Turbocharger waste gate valve position signal

To set up the AFRC, emission and performance tests are conducted over the engine's operating range. The results are used to develop equations for AMP vs. fuel flow as a means of characterizing in-cylinder AFR. The control measures AMP and compares it to the expected value calculated from fuel flow to maintain the desired AFR. If the AMP isn't high enough, the control closes the turbocharger waste gate valve. More exhaust drives the turbocharger, so air flow and pressure increase leaning the AFR. If the AMP is too high, the control opens the turbocharger waste gate valve. Less exhaust drives the turbocharger, so air flow and pressure decreases, richening the AFR. When the desired AMP is satisfied, the waste gate valve is not moved.

Because a change in AMT affects air density and therefore the in-cylinder AFR, the algorithm also includes an offset to account for temperature affects. Although variation in AMT is considered normal, the goal is to keep it relatively stable through the use of an intercooler between the turbocharger and air manifold.

2.0 Engine and Control Equipment Operating Parameters

2.1 AFRC Tuning Procedures

AFRC tuning is not done on a specific timeframe, but rather when the operator suspects a tuning is needed to maintain compliance and to pass emission checks as required by Rule 1110.2 (f)(1)(D)(iii.) Using a portable emission analyzer, traditional Reference Method analyzers, or any other analyzer, the appropriate AMP is determined for each load range based on compliance with the permitted NOx limit. Although Rule 1110.2 NOx requirements do not apply to these RECLAIM engines, NOx is used for tuning because it is more sensitive to AFRC than CO. If necessary, adjustments are made to the fuel flow vs. AMP curve in the engine's controller. The tuning process may be conducted at a single load or multiple loads as the operator deems necessary or that are available on the day of testing. A record of the tuning activity will be kept on file.

2.2 Procedure for Verifying Proper Operation of AFRC

AFRC operation is verified at least once per operating day by checking and recording the following operating parameters:

- AFRC Alarm

2.3 Procedures for Reestablishing AFRC Set Point(s)

Oxygen sensor based AFRC require periodic adjustment of the AFRC set points due to sensor degradation. This is not the case for lean burn engine turbocharger waste gate controls. However, the AFRC algorithm may be refined by using the tuning procedure described above in 2.1.

2.4 Maximum Exhaust Temperature at the Catalyst Inlet

Not applicable

3.0 Alarm Annunciation

The AFRC alarm is connected to the station control system such that the operator receives a visual and audible alarm on the system display.

4.0 Emission Checks

Emission Compliance Check Procedures (Portable Analyzer)

4.1 Protocol

The most recent approved version of the SCAQMD Protocol for the Periodic Monitoring of NOx, CO, and O2 from Stationary Engines Subject to SCAQMD Rule 1110.2 will be used to conduct emission compliance checks.

Note: NOx measurements are not required for RECLAIM engines.

4.2 Procedure

The sample will be collected from a single point as described in the SCAQMD Protocol, and drawn through a stainless steel tube dropped from the sampling location down to a convenient and safe elevation. The tubing does not need to be heated since CO and O₂ loss does not occur with moisture drop out.

For accurate compliance determination, span gas will be selected so that it is approximately between 25 and 100 percent of the permitted limit at stack oxygen concentration.

4.3 Prohibitions

Engine or control system maintenance or tuning for the purpose of lowering tested emissions may not be conducted within 72 hours prior to an emission check in accordance with Rule 1110.2, unless it is an unscheduled, required repair.

5.0 Daily Monitoring

At least daily monitoring, inspection, and recordkeeping of the following parameters:

- (I) Brake Horsepower (BHP)
- (II) Reserved for Maximum Catalyst Temperature
- (III) Engine elapse operating time meter.
- (IV) Operating hours since the last emission check.
- (V) Reserved for rich burn engines – this section is not applicable to these engines.
- (VII) AFRC Alarm
The AFRC is equipped with an alarm that indicates the following fault conditions:

AMP is not within 0.5"Hg of its set point.

If the difference between a fuel based horsepower (HP) calculation and measured Brake HP (BHP) exceed 10%, it is an indication that combustion quality has been compromised, possibly by the AFRC providing too much or too little air to the engine. The fuel base HP is a simple curve of HP vs. volumetric fuel rate from the dedicated engine fuel meter. Fuel meter accuracy is assured under the RECLAIM program. The BHP is determined by the engine control system based on measurements made on the compressor and is completely independent of the AFRC.

6.0 Procedures for Responding to Alarms

When an alarm occurs, operating parameters are found out of range, or an emission check shows concentrations above permit limits, corrective action is taken. Correction actions are described in Table 4.

6.1 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

6.2 Parameters Out of Range

For problems associated with parameters that are out of range, the operator shall correct the problem and demonstrate compliance with another emission check within 48 hours of the operator first knowing of the problem. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

7.0 Preventative and Corrective Maintenance

Preventative maintenance procedures include but are not limited to the following:

- Engines are tuned in accordance within the schedules established under RECLAIM.

Corrective maintenance procedures can be found in Table 4

8.0 Procedures for Reporting and Recordkeeping

8.1 Breakdowns

A breakdown resulting in a violation of the Rule or a permit condition shall be reported in accordance with the reporting requirements outlined in Rule 1110.2(f)(1)(H).

8.2 Emission Checks

An emission check that finds excess emissions shall not be considered a violation unless the emission check is conducted by District staff. If excess emissions are discovered by the facility, the operator shall correct the problem and demonstrate compliance with another emission check. The facility will document the occurrence and it shall be reported in the quarterly report.

If the problem can not be corrected within a reasonable time frame, the facility shall call in a breakdown.

8.3 Quarterly Reporting

Within 15 days of the end of each calendar quarter, the facility shall submit to the Executive Officer a report as outlined in Rule 1110.2(f)(1)(H)(iii).

8.4 Recordkeeping

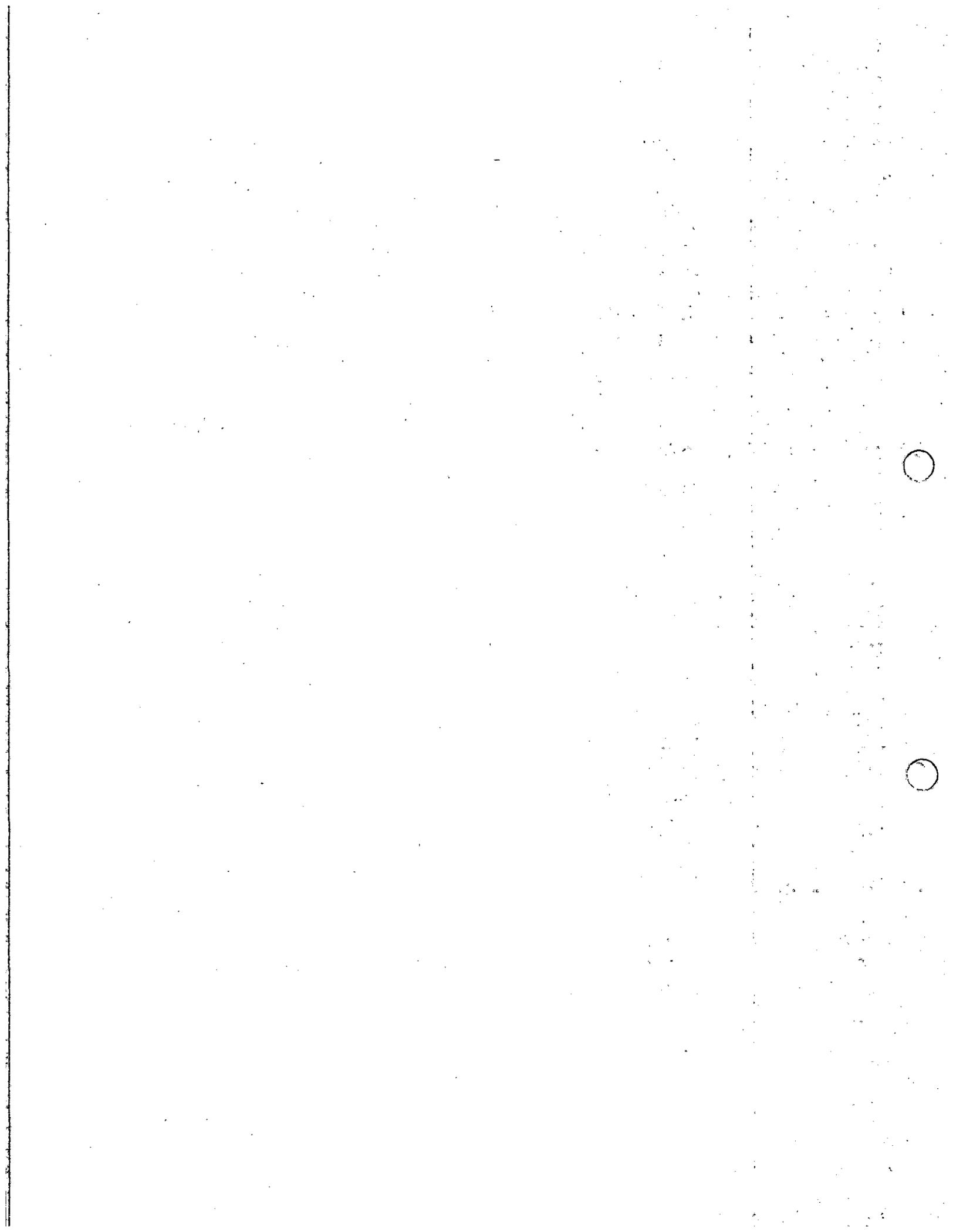
All data, logs, test reports and other information required by this rule will be maintained for at least five years and made available for inspection by the Executive Officer.

8.5 Plan Revisions

Updates to the Plan will be submitted in accordance with AQMD rules and regulations.

Table 4 Lean Burn Two Stroke With out Oxidation Catalyst System Malfunction Events

Condition	Cause	Corrective Action
AFRC Alarm	AFRC failure	Verify calibration of AFRC and AFRC alarm inputs.
	Ignition problem	Troubleshoot ignition system. Adjust or replace components as required. (check for detonation)
	Fuel supply problem	Inspect fuel supply, fuel regulator(s), and fuel valves. Adjust or replace components as required.
	Combustion air delivery system problem	Check for problems that may cause high air manifold temperature, air cooling system failure, or clogged air filter or intake air system.
	Instrumentation Failure	Adjust or replace components as necessary.



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SECTION J: AIR TOXICS

NOT APPLICABLE

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SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]

(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:

(A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

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- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

- 8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
 - (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

- 9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
- 10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

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11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
 - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

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commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

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EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

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RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
 - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

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- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
 - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
 - (B) The compliance status during the reporting period;
 - (C) Whether compliance was continuous or intermittent;
 - (D) The method(s) used to determine compliance over the reporting period and currently, and
 - (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

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PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

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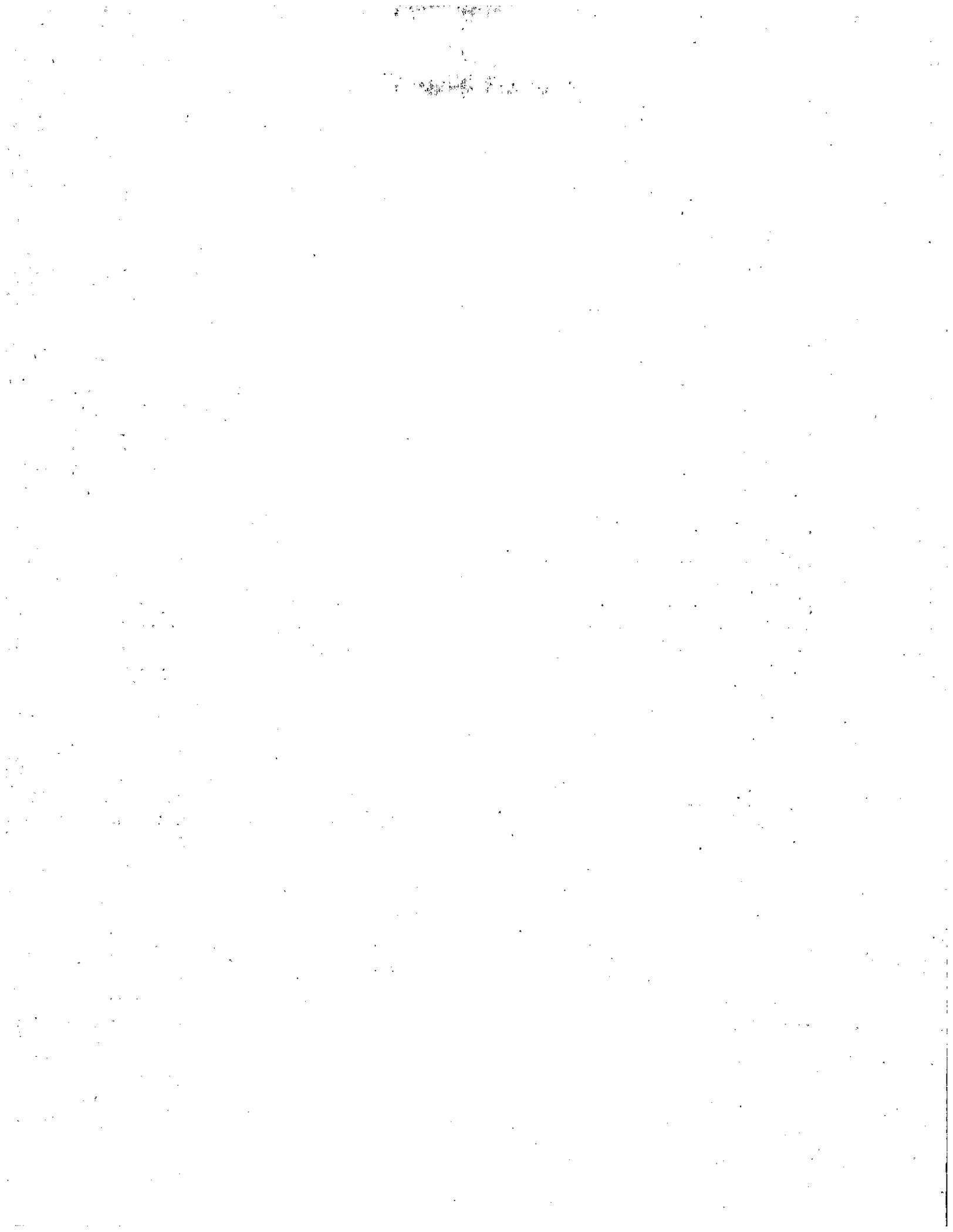
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FACILITY RULES

This facility is subject to the following rules and regulations:

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

RULE SOURCE	Adopted/Amended Date	FEDERAL Enforceability
RULE 1110.2	2-1-2008	Non federally enforceable
RULE 1110.2	6-3-2005	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1122	7-11-1997	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	1-14-1982	Non federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable



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APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219

1. WEEDEATER, GASOLINE, 1 H.P.
2. STEAM CLEANER, NATURAL GAS
3. HEATERS, NATURAL GAS
4. RANGE, COOKTOP, NATURAL GAS
5. OVEN, NATURAL GAS
6. GENERATOR, GASOLINE
7. ICE, GASOLINE
8. PUMP, TRASH, GASOLINE
9. CHAINSAW, GASOLINE
10. HEDGE TRIMMER, GASOLINE
11. TORCH, OXYGEN-ACETYLENE

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

TABLE OF STANDARDS

VOC LIMITS

**Grams of VOC Per Liter of Coating,
 Less Water And Less Exempt Compounds**

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings Clear	650						
Pigmented	350						
Flats	250						
Graphic Arts (Sign) Coatings	500				100		50
Industrial Maintenance							

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-8-1996]

Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420					
Pigmented Lacquer	680		250			275
Pre-Treatment Wash Primers	780		550			
Primers, Sealers, and Undercoaters	350					
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

**FACILITY PERMIT TO OPERATE
SAN DIEGO GAS & ELECTRIC**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 11-8-1996]**

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

**FACILITY PERMIT TO OPERATE
 SAN DIEGO GAS & ELECTRIC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1113 7-13-2007]**

**TABLE OF STANDARDS
 VOC LIMITS**

**Grams of VOC Per Liter of Coating,
 Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		
Nonflat High Gloss	250		150				50	

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 7-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing Concrete/Masonry Sealers	400					100		
Wood Preservatives								
Below-Ground	350							
Other	350							

- * The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
- ** Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.
- *** The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

**FACILITY PERMIT TO OPERATE
SAN DIEGO GAS & ELECTRIC**

**APPENDIX B: RULE EMISSION LIMITS
[RULE 1113 7-13-2007]**

**TABLE OF STANDARDS (cont.)
VOC LIMITS**

Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-7-2003]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

**FACILITY PERMIT TO OPERATE
 SAN DIEGO GAS & ELECTRIC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

FACILITY PERMIT TO OPERATE
SAN DIEGO GAS & ELECTRIC

APPENDIX B: RULE EMISSION LIMITS
[RULE 1171 11-7-2003]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 5-1-2009]

(1) Solvent Requirements :

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

**FACILITY PERMIT TO OPERATE
 SAN DIEGO GAS & ELECTRIC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 5-1-2009]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

**FACILITY PERMIT TO OPERATE
 SAN DIEGO GAS & ELECTRIC**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 5-1-2009]**

	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

* The specified limits remain in effect unless revised limits are listed in subsequent columns.

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

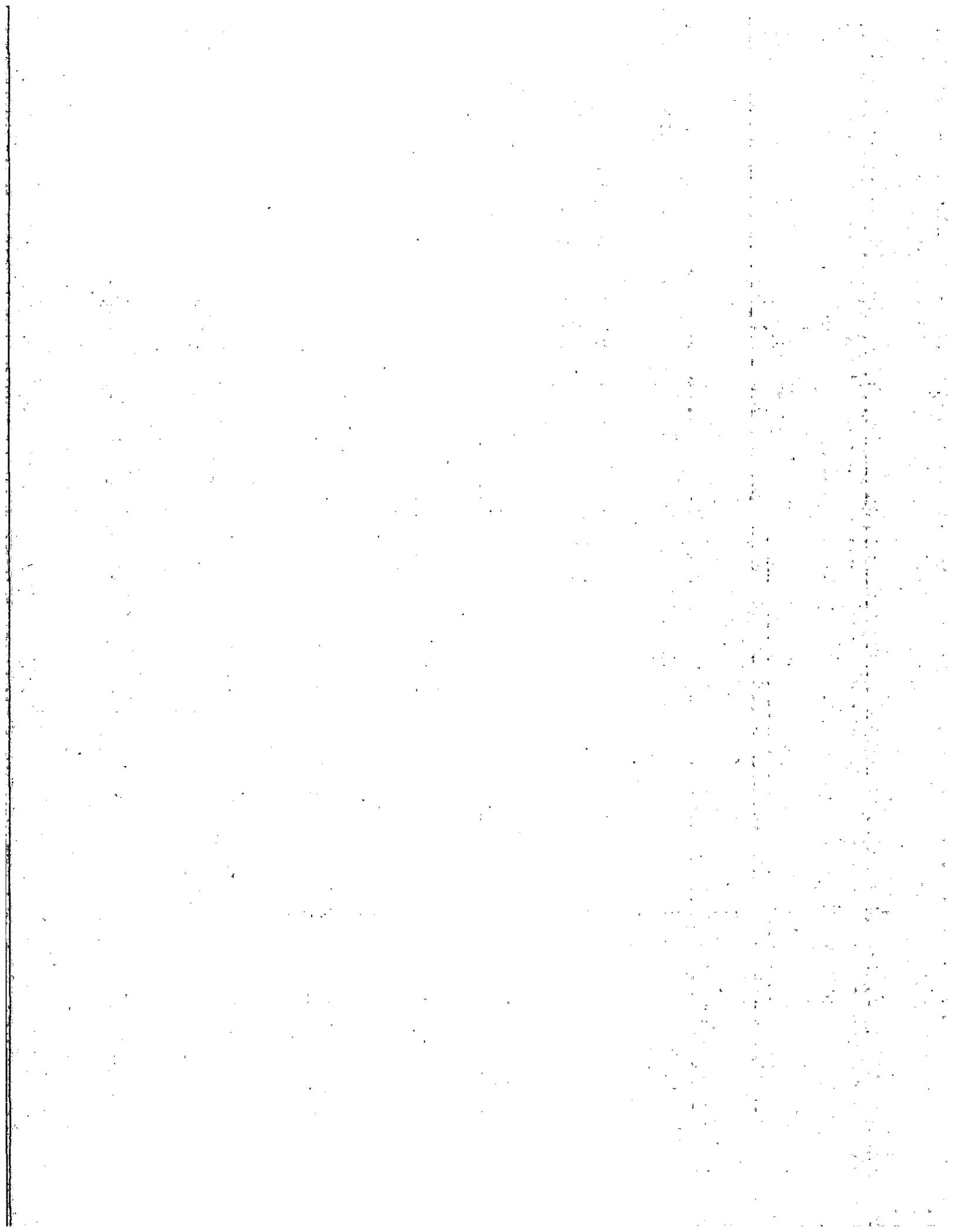
TABLE 404(a)

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

FACILITY PERMIT TO OPERATE SAN DIEGO GAS & ELECTRIC

APPENDIX B: RULE EMISSION LIMITS [RULE 404 2-7-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100





**Title V
Form 500-C1**

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Compliance Status Report**

To provide the compliance status of your facility with applicable federally enforceable requirements and identify other local-only requirements, complete this form and attach it to a completed compliance certification Form 500-A2. As appropriate, all submittals of Form 500-C2 as appropriate should also be attached to this form.

Section I - General Information

1. Facility Name: SAN DIEGO GAS AND ELECTRIC Facility ID (6-Digit): 004242

PROCEDURES FOR DETERMINING COMPLIANCE STATUS

- Equipment verification:** Review the list of pending applications, and either the preliminary Title V facility permit or the list of current permits to operate that the AQMD provided you, to determine if they completely and accurately describe all equipment operating at the facility. Attach a statement to describe any discrepancies.
- Identify applicable requirements*:** Use the checklist in Section II to identify all applicable and federally-enforceable local, state, and federal rules and regulations, test methods, and monitoring, recordkeeping and reporting (MRR) requirements that apply to any equipment or process (including equipment exempt from a permit by Rule 219) at your facility.
The potential applicable requirements, test methods and MRR requirements are identified and listed adjacent to each given equipment/process description. Check off each box adjacent to the corresponding requirement as it applies to your particular equipment/process.
Note: Even if there is only one piece of equipment that is subject to a particular requirement, the appropriate box should be checked.
- Identify additional applicable requirements*:** Use Section III to identify any additional requirements not found in Section II. Section II is not a complete list of all applicable requirements. It does not include recently adopted NESHAP regulations by EPA or recent amendments to AQMD rules. Do not add rules listed in Section V here.
- Identify any requirements that do not apply to a specific piece of equipment or process:** Also use Section III to identify any requirements that are listed in Section II but that do not apply to a specific piece of equipment or process. Fill out Section III of this form and attach a separate sheet to explain the reason(s) why the identified rules do not apply. Note: Listing any requirement that does not apply to a specific piece of equipment will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and is approved by AQMD.
- Identify SIP-approved rules that are not current AQMD rules:** Use Section IV to identify older versions of current AQMD rules that are the EPA-approved versions in the State Implementation Plan (SIP), and that are still applicable requirements as defined by EPA. The facility is not required to certify compliance with the items checked in Section IV provided that the non-SIP approved rule in Section II is at least as stringent as the older SIP-approved version in Section IV.**
- Identify Local-Only Enforceable Regulatory Requirements:** Use Section V to identify AQMD rules that are not SIP-approved and are not federally enforceable.
- Determine compliance:** Determine if all equipment and processes are complying with all requirements identified in Sections II and III. If each piece of equipment complies with all applicable requirements, complete and attach Form 500-A2 to certify the compliance status of the facility. If any piece of equipment is not in compliance with any of the applicable requirements, complete and attach Form 500-C2 in addition to Form 500-A2.

* The following AQMD rules and regulations are not required to be included in Section II and do not have to be added to Section III: Regulation I, List and Criteria in Regulation II, Rule 201, Rule 201.1, Rule 202, Rule 203, Rule 205, Rule 206, Rule 207, Rule 208, Rule 209, Rule 210, Rule 212, Rule 214, Rule 215, Rule 216, Rule 217, Rule 219, Rule 220, Rule 221, Regulation III, Regulation V, Regulation VIII, Regulation XII, Regulation XV, Regulation XVI, Regulation XIX, Regulation XXI, Regulation XXII, and Regulation XXX.

** Emission units adversely affected by the gap between current and SIP-approved versions of rules may initially be placed in a non-Title V portion of the permit

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input checked="" type="checkbox"/> All Air Pollution Control Equipment Using Combustion (RECLAIM & non-RECLAIM sources) <input type="checkbox"/> All Coating Operations <input type="checkbox"/> All Combustion Equipment, ≥ 555 Minhp/HR (except for NOx RECLAIM sources) <input checked="" type="checkbox"/> All Combustion Equipment Except Internal Combustion Engines (RECLAIM & non-RECLAIM sources) <input checked="" type="checkbox"/> All Combustion Equipment Using Gaseous Fuel (except SOx RECLAIM sources) <input checked="" type="checkbox"/> All Combustion Equipment Using Liquid Fuel (except SOx RECLAIM sources) <input checked="" type="checkbox"/> All Combustion Equipment Using Fossil Fuel (except SOx RECLAIM sources) <input checked="" type="checkbox"/> All Equipment	<input type="checkbox"/> Rule 480 (10/07/77) <input type="checkbox"/> Rule 442 (12/15/00) <input type="checkbox"/> Rule 474 (12/04/81) <input checked="" type="checkbox"/> Rule 407 (04/02/82) <input checked="" type="checkbox"/> Rule 409 (08/07/81) <input checked="" type="checkbox"/> Rule 431.1 (06/12/98) <input checked="" type="checkbox"/> Rule 431.2 (09/15/00) <input checked="" type="checkbox"/> Rule 431.3 (05/07/76) <input checked="" type="checkbox"/> Rule 401 (11/09/01) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> Rule 408 (05/07/76) <input type="checkbox"/> Rule 430 (07/12/96) <input type="checkbox"/> Rule 701 (06/13/97) <input type="checkbox"/> New Source Review, BACT <input type="checkbox"/> Rule 1703 (10/07/88) <input type="checkbox"/> 40 CFR68 - Accidental Release Prevention <input type="checkbox"/> Rule 403 (04/02/04) <input checked="" type="checkbox"/> Rule 404 (02/07/86)	N/A <input type="checkbox"/> Rule 442(f) <input type="checkbox"/> AQMD TM 7.1 or 100.1 <input checked="" type="checkbox"/> AQMD TM 100.1 or 10.1, 307-91 <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input checked="" type="checkbox"/> Rule 431.1(f) <input checked="" type="checkbox"/> Rule 431.2(g) <input checked="" type="checkbox"/> California Air Resources Board Visible Emission Evaluation <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 N/A See Applicable Subpart	N/A <input type="checkbox"/> Rule 442(g) <input type="checkbox"/> Rule 109(c) <input checked="" type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 403(f) <input checked="" type="checkbox"/> Rule 109(c) <input checked="" type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 430(b) See Applicable Subpart
<input checked="" type="checkbox"/> All Equipment Processing Solid Materials <input checked="" type="checkbox"/> All Equipment With Exhaust Stack (except cement kilns subject to Rule 1112.1) <input checked="" type="checkbox"/> All Facilities Using Solvents to Clean Various Items or Equipment <input checked="" type="checkbox"/> All RECLAIM Equipment (NOx & SOx) <input type="checkbox"/> Abrasive Blasting <input type="checkbox"/> Aggregate and Related Operations <input type="checkbox"/> Appliances Containing Ozone Depleting Substances (except Motor Vehicle Air Conditioners); Manufacturing, Repair, Maintenance, Service, & Disposal	<input type="checkbox"/> Rule 109 (05/02/03) <input checked="" type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T <input checked="" type="checkbox"/> Reg. XX - RECLAIM <input type="checkbox"/> Rule 1140 (08/02/85) <input type="checkbox"/> Rule 1157 (01/07/05) <input type="checkbox"/> 40 CFR82 SUBPART F	<input checked="" type="checkbox"/> Rule 109(g) <input checked="" type="checkbox"/> Rule 1171(f) See Applicable Subpart <input type="checkbox"/> Rule 2011, App. A (12/05/03) <input checked="" type="checkbox"/> Rule 2012, App. A (12/05/03) <input type="checkbox"/> Rule 1140(d) & (e), AQMD Visible Emission Method <input type="checkbox"/> Rule 1157(f) See Applicable Subpart	<input checked="" type="checkbox"/> Rule 109(c) <input checked="" type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 2011, App. A (12/05/03) <input checked="" type="checkbox"/> Rule 2012, App. A (12/05/03) <input type="checkbox"/> Rule 1157(e) See Applicable Subpart

KEY ABBREVIATIONS: Reg. = AQMD Regulation App. = Appendix CFR = Code of Federal Regulations AQMD Form 500-C1 Rev. 05/05
 Rule = AQMD Rule AQMD TM = AQMD Test Method CCR = California Code of Regulations Page 2 of 2

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Asphalt <input type="checkbox"/> Asphalt Concrete/Barth Plants <input type="checkbox"/> Benzene Emissions, Maleic Anhydride Plants, Ethylbenzene/Styrene Plants, Benzene Storage Vessels, Benzene Equipment Leaks, & Coke By-Product Recovery Plants <input type="checkbox"/> Benzene Transfer Operations <input type="checkbox"/> Benzene Waste Operations <input type="checkbox"/> Beryllium Emissions <input type="checkbox"/> Beryllium Emissions, Rocket Motor Firing <input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources) <input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources) <input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources) <input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	See Manufacturing, Asphalt Processing & Asphalt Roofing <input type="checkbox"/> 40 CFR60 SUBPART I <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART Y <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR61-SUBPART BB <input type="checkbox"/> 40 CFR63 SUBPART Y <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART FF <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART C <input type="checkbox"/> 40 CFR61 SUBPART D <input type="checkbox"/> Rule 1146.1 (05/13/94) <input type="checkbox"/> Rule 1146.2 (01/07/05) <input type="checkbox"/> 40 CFR63 SUBPART DDDDD <input type="checkbox"/> Rule 1146.1 (05/13/94) - excluding NOx requirements <input type="checkbox"/> 40 CFR63 SUBPART DDDDD <input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) - excluding NOx requirements <input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input type="checkbox"/> Rule 2011 (12/05/03) or Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	See Applicable Subpart <input type="checkbox"/> Rule 1173(j) <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1142(e) See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1146.1(d) N/A See Applicable Subpart <input type="checkbox"/> Rule 1146.1(d) See Applicable Subpart <input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 1173(i) <input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1142(h) See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) N/A See Applicable Subpart <input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) See Applicable Subpart <input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or <input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Boiler, Petroleum Refining (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e)
<input type="checkbox"/> Boiler, Petroleum Refining (RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input type="checkbox"/> Rule 2011 (12/05/03) or Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146(d) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or <input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 1135 (07/19/91) <input type="checkbox"/> 40 CFR60 SUBPART DB <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (RECLAIM sources)	<input type="checkbox"/> Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART DB <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Bulk Loading Of Organic Liquids	<input type="checkbox"/> Rule 462 (05/14/99) <input type="checkbox"/> 40 CFR60 SUBPART XX <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGGG	<input type="checkbox"/> Rule 462(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 462(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Cadmium Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)	See Applicable Subpart	<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Calciner, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Calciner, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81)	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Charbroilers	<input type="checkbox"/> Rule 1119 (03/02/79) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 6.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Chrome Plating & Chromic Acid Anodizing Operation	<input type="checkbox"/> Rule 1174 (10/05/90) <input type="checkbox"/> Rule 1138 (11/14/97)	<input type="checkbox"/> AQMD Test Protocol <input type="checkbox"/> Rule 1138(g)	<input type="checkbox"/> Rule 1138(d)
<input type="checkbox"/> Coating Operation, Adhesive Application Operation	<input type="checkbox"/> Rule 1426 (05/02/03) <input type="checkbox"/> Rule 1469 (05/02/03) <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1168 (01/07/05)	<input type="checkbox"/> Rule 1469(e) <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1168(f) & (g)	<input type="checkbox"/> Rule 1426(e) <input type="checkbox"/> Rule 1469(g), (i) & (k) <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1168(e)

KEY
 Reg. = AQMD Regulation App. = Appendix CFR = Code of Federal Regulations
 ABBREVIATIONS: Rule = AQMD Rule AQMD TM = AQMD Test Method CCR = California Code of Regulations
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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Aerospace Assembly & Component Manufacturing	<input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1124 (09/21/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART GG	<input type="checkbox"/> Rule 1171(f) See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1124(e) & (f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1124(j) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 109(c)
<input type="checkbox"/> Coating Operation, Graphic Arts (Gravure, Letter Press, Flexographic & Lithographic Printing Process, Etc.)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130 (10/08/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> 40 CFR60 SUBPART FFF <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> 40 CFR63 SUBPART JJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130(h) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1130(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Magnet Wire Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1126 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1126(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1126(c)(4) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Marine Coating (Except for recreational equipment)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 109(c)
<input type="checkbox"/> Coating Operation, Metal Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1107 (11/09/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART EE <input type="checkbox"/> 40 CFR60 SUBPART SS <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART MMMM <input type="checkbox"/> 40 CFR63 SUBPART RRRR	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1107(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1107(k) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Containers, Closure, & Coil Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1125 (01/13/95)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1125(e)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1125(c)(6)

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Motor Vehicle & Mobile Equipment Non-Assembly Line Coating Operation	<input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TT <input type="checkbox"/> 40 CFR60 SUBPART WW <input type="checkbox"/> 40 CFR63 SUBPART SSSS	<input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Motor Vehicle Assembly Line	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1115 (05/12/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART MM <input type="checkbox"/> 40 CFR63 SUBPART III	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1115(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1115(g) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Paper, Fabric, & Film Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1128 (03/08/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART OOOO	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1128(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1128(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Plastic, Rubber, & Glass	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1145 (12/03/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TTT <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART PPPP	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1145(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1145(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Pleasure Craft	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106.1 (02/12/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106.1(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106.1(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Screen Printing	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130.1 (12/13/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130.1(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130.1(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)

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 Rule = AQMD Rule AQMD TM = AQMD Test Method CCR = California Code of Regulations Page 6 of 6

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input checked="" type="checkbox"/> Coating Operation, Use Of Architectural Coating (Stationary Structures)	<input type="checkbox"/> 40 CFR63 SUBPART KK <input checked="" type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input checked="" type="checkbox"/> Rule 1113 (07/09/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input checked="" type="checkbox"/> Rule 1171 (11/07/03)	See Applicable Subpart <input checked="" type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input checked="" type="checkbox"/> Rule 1113(e) <input type="checkbox"/> Rule 1132(f) <input checked="" type="checkbox"/> Rule 1171(f)	See Applicable Subpart <input checked="" type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input checked="" type="checkbox"/> Rule 1171(c)(6) <input type="checkbox"/> Rule 109(c)
<input type="checkbox"/> Coating Operation, Wood Flat Stock	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1104 (08/13/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1104(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1104(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Wood Products (Commercial Furniture, Cabinets, Shutters, Frames, Toys)	<input type="checkbox"/> 40 CFR63 SUBPART II <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1136 (06/14/96) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1136(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1136(d) & (g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coater	See Coating Operations	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Columns	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Composting Operation	<input type="checkbox"/> Rule 1133 (01/10/03) <input type="checkbox"/> Rule 1133.1 (01/10/03) <input type="checkbox"/> Rule 1133.2 (01/10/03)	<input type="checkbox"/> Rule 1133.1(e) <input type="checkbox"/> Rule 1133.2(g)	<input type="checkbox"/> Rule 1133.1(d) <input type="checkbox"/> Rule 1133.2(h)
<input type="checkbox"/> Compressors	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Concrete Batch Plants	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Consumer Product Manufacturing	See Manufacturing, Consumer Product		
<input type="checkbox"/> Cooling Tower, Hexavalent Chromium	See Manufacturing, Consumer Product		
<input type="checkbox"/> Copper Electroplating Operation	See Manufacturing, Consumer Product		
<input type="checkbox"/> Crude Oil Production	See Oil Well Operations		
<input type="checkbox"/> Crusher	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Dairy Farms and Related Operations	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Degreasers	<input type="checkbox"/> Rule 1127 <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1122 (10/01/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 1127(h) <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1122(h) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1127(g) <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1122(i) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Dry Cleaning, Perchloroethylene	<input type="checkbox"/> Rule 1421 (12/06/02) <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1102 (11/17/00)	<input type="checkbox"/> Rule 1421(e) & (i) <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1102(g)	<input type="checkbox"/> Rule 1421(g) & (h) <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1102(f)
<input type="checkbox"/> Dry Cleaning, Petroleum Solvent	<input type="checkbox"/> 40 CFR60 SUBPART JJJ <input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Dryers, Mineral Industries	See Sterilizer, Ethylene Oxide		
<input type="checkbox"/> Ethylene Oxide Sterilizer	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Flanges	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Fluid Catalytic Cracking Unit <input type="checkbox"/> Foundries, Iron and Steel <input type="checkbox"/> Friction Materials Manufacturing <input type="checkbox"/> Fugitive Emissions, Benzene-	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1105 (09/01/84) <input type="checkbox"/> Rule 1105.1 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART EEEEE See Manufacturing, Friction Materials	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> Rule 1105(e)(1) <input type="checkbox"/> Rule 1105.1(f) See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1105(e)(2) <input type="checkbox"/> Rule 1105.1(e) See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Chemical Plant	<input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(i)	<input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i)
<input type="checkbox"/> Fugitive Emissions, Natural Gas Processing Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule (12/06/02)	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(i)	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i)
<input type="checkbox"/> Fugitive Emissions, Oil & Gas Production Facility	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(i)	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i)

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Section II - Applicable Requirements, Test Methods, & MRR Requirements				
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT	
<input type="checkbox"/> Fugitive Emissions, Pipeline Transfer Station	<input type="checkbox"/> 40 CFR63 SUBPART R	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> Rule 466 (10/07/83)	<input type="checkbox"/> Rule 466(f)	<input type="checkbox"/> Rule 466(c)	
	<input type="checkbox"/> Rule 466.1 (03/16/84)	<input type="checkbox"/> Rule 466.1(g)	<input type="checkbox"/> Rule 466.1(h)	
	<input type="checkbox"/> Rule 467 (03/05/82)	<input type="checkbox"/> Rule 467(f)	<input type="checkbox"/> Rule 467(c)	
	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(g)	<input type="checkbox"/> Rule 1173(f)	
	<input type="checkbox"/> 40 CFR61 SUBPART V	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> Furnace, Basic Oxygen Process <input type="checkbox"/> Furnace, Electric Arc, For Steel Plants Constructed After August 17, 1983 <input type="checkbox"/> Furnace, Electric Arc, For Steel Plants: Constructed After Oct. 21, 1974, & On Or Before Aug. 17, 1983 <input type="checkbox"/> Furnace, Glass Melting	<input type="checkbox"/> 40 CFR60 SUBPART Na	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> 40 CFR60 SUBPART AAA	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> 40 CFR60 SUBPART AA	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> Rule 1117 (01/06/84)	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART CC	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> Rule 1101 (10/07/77)	<input type="checkbox"/> AQMD TM 6.1	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart	See Applicable Subpart	
	<input type="checkbox"/> Rule 461 (01/09/04)	<input type="checkbox"/> Rule 461(f)	<input type="checkbox"/> Rule 461(c)(6) & (c)(7)	
	See Manufacturing, Glass			
	<input type="checkbox"/> Furnace, Lead Melting, Automotive Batteries <input type="checkbox"/> Gasoline Transfer & Dispensing Operation <input type="checkbox"/> Glass Manufacturing <input type="checkbox"/> Grain Elevators <input type="checkbox"/> Halon-containing Equipment, Use for Technician Training, Testing, Maintenance, Service, Repair, or Disposal <input type="checkbox"/> Heater, Asphalt Pavement	<input type="checkbox"/> 40 CFR60 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> 40 CFR82 SUBPART H		See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> Rule 1120 (08/04/78)		<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 6.2	<input type="checkbox"/> Rule 1120(f)	
<input type="checkbox"/> Rule 429 (12/21/90)		N/A	<input type="checkbox"/> Rule 429(d)	
<input type="checkbox"/> Rule 431.1 (06/12/98)		<input type="checkbox"/> Rule 431.1(f)	<input type="checkbox"/> Rule 431.1(d) & (e)	
<input type="checkbox"/> Rule 1146 (11/17/00)		<input type="checkbox"/> Rule 1146(d)	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7)	
<input type="checkbox"/> 40 CFR60 SUBPART J		See Applicable Subpart	See Applicable Subpart	
<input type="checkbox"/> 40 CFR63 SUBPART DDDDD		See Applicable Subpart	See Applicable Subpart	
See Boilers				
<input type="checkbox"/> Heaters, Process <input type="checkbox"/> Incinerators <input type="checkbox"/> Inorganic Arsenic Emissions, Arsenic Trioxide <input type="checkbox"/> & Metallic Arsenic Production Facilities		<input type="checkbox"/> 40 CFR60 SUBPART E	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR61 SUBPART P	See Applicable Subpart	See Applicable Subpart	

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Internal Combustion Engines, Reciprocating	<input type="checkbox"/> 40 CFR63 SUBPART ZZZZ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Kiln, Cement Plant	<input type="checkbox"/> Rule 1112 (01/06/86) <input type="checkbox"/> Rule 1112.1 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART F	N/A N/A See Applicable Subpart	N/A N/A See Applicable Subpart
<input type="checkbox"/> Landfills	<input type="checkbox"/> Rule 1150.1 (03/17/00) <input type="checkbox"/> 40 CFR60 SUBPART WWWW <input type="checkbox"/> 40 CFR63 SUBPART AAAA	<input type="checkbox"/> Rule 1150.1(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1150.1(e) & (f) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Lead Acid Battery Manufacturing Plants	See Manufacturing, Lead Acid Battery		
<input type="checkbox"/> Lead Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Manufacturing, Asphalt Processing & Asphalt Roofing	<input type="checkbox"/> Rule 470 (05/07/76) <input type="checkbox"/> Rule 1108 (02/01/85) <input type="checkbox"/> Rule 1108.1 (11/04/83)	N/A <input type="checkbox"/> Rule 1108(b) <input type="checkbox"/> Rule 1108.1 (b)	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Brick & Structural Clay Products	<input type="checkbox"/> 40 CFR63 SUBPART JJJJ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Clay Ceramics	<input type="checkbox"/> 40 CFR63 SUBPART KKKKK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Coatings & Ink (SIC Code 2851)	<input type="checkbox"/> Rule 1141.1 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART HHHHH	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1141.1(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Consumer Product	<input type="checkbox"/> Title 17 CCR 94500		
<input type="checkbox"/> Manufacturing, Food Product	<input type="checkbox"/> Rule 1131 (06/06/03)	<input type="checkbox"/> Rule 1131(e)	<input type="checkbox"/> Rule 1131(d)
<input type="checkbox"/> Manufacturing, Friction Materials	<input type="checkbox"/> 40 CFR63 SUBPART OOOQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Glass	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART N	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Hydrochloric Acid	<input type="checkbox"/> 40 CFR63 SUBPART NNNNN	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lead-Acid Battery	<input type="checkbox"/> 40 CFR60 SUBPART KK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lime	<input type="checkbox"/> 40 CFR63 SUBPART AAAAA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Magnetic Tape Industry	<input type="checkbox"/> 40 CFR60 SUBPART SSS <input type="checkbox"/> 40 CFR63 SUBPART EE	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Miscellaneous Organic Chemical	<input type="checkbox"/> 40 CFR63 SUBPART FFFF	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Nitric Acid	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1159 (12/06/85) <input type="checkbox"/> 40 CFR60 SUBPART G	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 7.1 or 100.1 See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Plywood & Composite Wood Products	<input type="checkbox"/> Rule 1137 (02/01/02) <input type="checkbox"/> 40 CFR63 SUBPART DDDD	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1137(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymer Industry	<input type="checkbox"/> 40 CFR60 SUBPART DDD <input type="checkbox"/> 40 CFR63 SUBPART W <input type="checkbox"/> 40 CFR63 SUBPART J	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Manufacturing, Polymeric Cellular Foam	<input type="checkbox"/> Rule 1175 (05/13/94) <input type="checkbox"/> 40 CFR63 SUBPART UUUU <input type="checkbox"/> 40 CFR82 SUBPART H	<input type="checkbox"/> Rule 1175(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1175(e) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Halon Blends			
<input type="checkbox"/> Manufacturing, Products Containing Organic Solvents	<input type="checkbox"/> Rule 443.1 (12/05/86)	N/A	N/A
<input type="checkbox"/> Manufacturing, Products Containing Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART A <input type="checkbox"/> 40 CFR82 SUBPART E <input type="checkbox"/> 40 CFR63 SUBPART WWW	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Reinforced Plastic Composites			
<input type="checkbox"/> Manufacturing, Refractory Products	<input type="checkbox"/> 40 CFR63 SUBPART SSSSS	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Resin	<input type="checkbox"/> Rule 1141 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART W	<input type="checkbox"/> Rule 1141(d) See Applicable Subpart	<input type="checkbox"/> Rule 1141(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Rubber Tire	<input type="checkbox"/> 40 CFR63 SUBPART XXXX	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Semiconductors	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1164 (01/13/95) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART BBBB	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1164(e) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1164(c)(5) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Solvent	<input type="checkbox"/> Rule 443 (05/07/76)	N/A	N/A
<input type="checkbox"/> Manufacturing, Sulfuric Acid	<input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> 40 CFR60 SUBPART H <input type="checkbox"/> 40 CFR60 SUBPART Cd	<input type="checkbox"/> AQMD TM 6.1 or 6.2 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Surfactant	<input type="checkbox"/> Rule 1141.2 (01/11/02)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	<input type="checkbox"/> 40 CFR60 SUBPART III <input type="checkbox"/> 40 CFR60 SUBPART NNN	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes	<input type="checkbox"/> 40 CFR60 SUBPART RRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Vinyl Chloride	<input type="checkbox"/> 40 CFR61 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Water Heaters	<input type="checkbox"/> Rule 1121 (09/03/04)	N/A	N/A
<input type="checkbox"/> Manufacturing, Wool Fiberglass Insulation	<input type="checkbox"/> 40 CFR60 SUBPART PPP	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manure Processing Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input type="checkbox"/> Marine Tank Vessel Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart
<input type="checkbox"/> Mercury Emissions	<input type="checkbox"/> 40 CFR61 SUBPART E <input type="checkbox"/> 40 CFR63 SUBPART IIII	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Motor Vehicle Air-Conditioners with Ozone Depleting Substances (ODS): Repair, Service, Manufacturing, Maintenance, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART B <input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Municipal Waste Combustors	<input type="checkbox"/> 40 CFR60 SUBPART Cb	See Applicable Subpart	See Applicable Subpart

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Negative Air Machines/HEPA, Asbestos	<input type="checkbox"/> 40 CFR60 SUBPART Ea <input type="checkbox"/> 40 CFR60 SUBPART Eb <input type="checkbox"/> 40 CFR61 SUBPART M	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Nickel Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Nonmetallic Mineral Processing Plants	<input type="checkbox"/> Rule 404 (02/07/86) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART OOO	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Off-site Waste and Recovery Operation	<input type="checkbox"/> 40 CFR63 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Oil and Gas Well Operation	<input type="checkbox"/> Rule 1148 (11/05/82) <input type="checkbox"/> Rule 1148.1 (03/05/04)	<input type="checkbox"/> AQMD TM 25.1 <input type="checkbox"/> Rule 1148.1 (g)	<input type="checkbox"/> Rule 1148.1 (f) See Applicable Subpart
<input type="checkbox"/> Onshore Natural Gas Processing, SO ₂ Emissions	<input type="checkbox"/> 40 CFR60 SUBPART LLL	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Open Fires	<input type="checkbox"/> Rule 444 (12/21/01)		
<input type="checkbox"/> Open Storage, Petroleum Coke	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04) <input type="checkbox"/> Rule 1158 (06/11/99)	<input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> Rule 1158(h) <input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> Rule 1158(f)
<input type="checkbox"/> Open Storage	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f)
<input type="checkbox"/> Outer Continental Shelf Platform	<input type="checkbox"/> Rule 1183 (03/12/93) <input type="checkbox"/> 40 CFR55	<input type="checkbox"/> 40 CFR55 See Applicable Subpart	<input type="checkbox"/> 40 CFR55 See Applicable Subpart
<input type="checkbox"/> Oven, Commercial Bakery	<input type="checkbox"/> Rule 1153 (01/13/95)	<input type="checkbox"/> Rule 1153(h)	<input type="checkbox"/> Rule 1153(g)
<input type="checkbox"/> Oven, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81)	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3	
<input type="checkbox"/> Ozone Depleting Substances (ODS) or Alternative ODS, Use	<input type="checkbox"/> 40 CFR63 SUBPART L <input type="checkbox"/> 40 CFR82 Subpart G	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 465 (08/13/99) <input type="checkbox"/> Rule 468 (10/08/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> Rule 1123 (12/07/90) <input type="checkbox"/> Rule 1189 (01/21/00)	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 6.1 or 6.2 <input type="checkbox"/> AQMD TM 6.1 or 6.2 N/A <input type="checkbox"/> Rule 1189(f)	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1123(e) <input type="checkbox"/> Rule 1189(e)
<input type="checkbox"/> Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(i)	<input type="checkbox"/> Rule 1173(i)

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> 40 CFR60 SUBPART GGG <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Storage Tanks	<input type="checkbox"/> Rule 463 (05/06/05) <input type="checkbox"/> Rule 1178 (12/11/01) <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE	<input type="checkbox"/> Rule 463(g) <input type="checkbox"/> Rule 1178(i) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) <input type="checkbox"/> Rule 1178(f) & (h) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Wastewater Systems	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR63 SUBPART CC	N/A See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Pharmaceuticals & Cosmetics Manufacturing <input type="checkbox"/> Polyester Resin Operation	<input type="checkbox"/> Rule 1103 (03/12/99) <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1162 (07/09/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 1103(f) <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1162(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1103(e) <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1162(e) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Primary Magnesium Refining <input type="checkbox"/> Printing Press	<input type="checkbox"/> 40 CFR63 SUBPART TTTT See Coating Operations	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Publicly Owned Treatment Works Operations <input type="checkbox"/> Pumps	<input type="checkbox"/> Rule 1179 (03/06/92) <input type="checkbox"/> 40 CFR60 SUBPART O See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1179(e) See Applicable Subpart	<input type="checkbox"/> Rule 1179(c) & (d) See Applicable Subpart
<input type="checkbox"/> Recycling & Recovery Equipment for Ozone Depleting Substances (ODS), <input type="checkbox"/> Refrigerant Reclaimers for Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Rendering Plant <input type="checkbox"/> Rock Crushing	<input type="checkbox"/> Rule 472 (05/07/76) See Nonmetallic Mineral Processing Plants	N/A	<input type="checkbox"/> Rule 472(b)

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Semiconductor Manufacturing	See Manufacturing, Semiconductors		
<input type="checkbox"/> Sewage Treatment Plants	See Publicly Owned Treatment Works Operation		
<input type="checkbox"/> Site Remediation	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Primary Copper	<input type="checkbox"/> 40 CFR63 SUBPART OOO	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Secondary Lead	<input type="checkbox"/> 40 CFR60 SUBPART L <input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Soil Decontamination	<input type="checkbox"/> Rule 1166 (05/11/01) <input type="checkbox"/> 40 CFR63 SUBPART GGGGG	<input type="checkbox"/> Rule 1166(e) See Applicable Subpart	<input type="checkbox"/> Rule 1166(c)(1)(C) See Applicable Subpart
<input type="checkbox"/> Spray Booth	See Coating Operations		
<input type="checkbox"/> Sterilizer, Ethylene Oxide	<input type="checkbox"/> 40 CFR63 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Degassing Operation	<input type="checkbox"/> Rule 1149 (07/14/95) <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Greater Than 19,815 Gallon Capacity	<input type="checkbox"/> Rule 463 (05/06/05) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 463(g) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Synthetic Fiber Production Facilities	<input type="checkbox"/> 40 CFR60 SUBPART HHH	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Taconite Iron Ore Processing Facilities	<input type="checkbox"/> 40 CFR63 SUBPART RRRRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Gas-Fired	<input type="checkbox"/> Rule 1134 (08/08/97) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> 40 CFR60 SUBPART GG <input type="checkbox"/> 40 CFR63 SUBPART YYYYY	<input type="checkbox"/> CEMS Rule 1134(e) & (g) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1134(d) & (f) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Oil-Fired	<input type="checkbox"/> 40 CFR63 SUBPART YYYYY	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Valves	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Vessel, Refinery Process	<input type="checkbox"/> Rule 1123 (12/07/90)	N/A	<input type="checkbox"/> Rule 1123(c)
<input type="checkbox"/> Vessels	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Wastewater, Chemical Plant	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC	N/A <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(d) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Wastewater Treatment, Other	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96)	N/A <input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(d) & (g) <input type="checkbox"/> Rule 1137(e)
<input type="checkbox"/> Woodworking Operations	<input type="checkbox"/> Rule 1137 (02/01/02)	N/A	<input type="checkbox"/> Rule 1137(e)

KEY
ABBREVIATIONS: Reg. = AQMD Regulation App. = Appendix CFR = Code of Federal Regulations AQMD Form Rev. 05/05
 Rule = AQMD Rule AQMD TM = AQMD Test Method CCR = California Code of Regulations 500-C1 Page 14 of 14

Section V - AQMD Rules That Are Not SIP-Approved (Continued on Following Page)					
1469	05/02/03	<input type="checkbox"/>	2009.1	05/11/01	<input type="checkbox"/>
1469.1	03/04/05	<input type="checkbox"/>	2020	05/11/01	<input type="checkbox"/>
1470	03/04/05	<input type="checkbox"/>	2501	05/09/97	<input type="checkbox"/>
2009	01/07/05	<input type="checkbox"/>	2506	12/10/99	<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
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		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

