TITLE V APPLICATION
Stationary Source Summary (FORM 1401-A1)

Company Name
San Diego Gas & Electric - Miramar Energy Facility

District Use Only
NEDS #
SITE ID # 1865-09138

I. FACILITY IDENTIFICATION
1. Facility Name (if different than company name): Miramar Energy Facility (MEF)
2. Four digit SIC Code: 4911
3. Parent Company (if different than Company Name): N/A
4. Mailing Address: 8315 Century Park Court, CP211 (Attn: Environmental Operations)
   City_San Diego   State_CA   Zip_92123
5. Street Address or Source Location: 6875 Consolidated Way
   City_San Diego   State_CA   Zip_92121
6. UTM Coordinates: 484558.5E, 3637348.7N
7. Source Located within 50 miles of a state line: ☑ Yes ☐ No (All sources are within 50 miles)
8. Source Located within 1000 feet of a school: ☑ Yes ☐ No
9. Type of Organization: ☑ Corporation ☑ Sole Ownership ☐ Government
   ☑ Partnership ☑ Utility Company
10. Legal Owner's Name: San Diego Gas & Electric Company
11. Owner's Agent name (if any): 
12. Responsible Official: Daniel Baerman
13. Plant Site Manager/Contact: Fred Waller   Phone #: 760-432-2507   FAX #: 760-432-2510
14. Application Contact: Hashim Navrozali
15. Type of Facility: Electric Generation Plant
17. Is a Federal Risk Management Plan (RMP) pursuant to Section 112(r) required? ☑ Yes ☐ No
   (If application is submitted after RMP due date, attach verification that plan is registered with the appropriate agency.)

II. TYPE OF PERMIT ACTION
(check) CURRENT PERMIT EXPIRATION
(check) (permit number) (date)
☐ Initial Title V Application N/A N/A
☒ Permit Renewal 984123 7/22/2013
☐ Significant Permit Modification
☐ Minor Permit Modification
☐ Administrative Amendment

III. DESCRIPTION OF PERMIT ACTION
1. Does the permit action requested involve: ☐ Temporary Source ☐ Voluntary Emissions Caps
   ☑ Acid Rain Source ☐ Alternative Operating Scenarios ☑ Abatement Devices
   ☑ CEMs ☑ Permit Shield
   ☐ Outdated SIP Requirement Streamlining ☑ Multiple Applicable Requirement Streamlining
   ☐ Source Subject to MACT Requirements [Section 112]
   ☐ Source Subject to Enhanced Monitoring (40CFR64) [Compliance Assurance Monitoring]
2. Is source operating under a Compliance Schedule? ☑ Yes ☐ No ☐ Proposed
3. Is source operating under a Variance ☑ Yes ☐ No (If Yes, please attach variance information)
4. For permit modification, provide a general description of the proposed permit modification:

IV. SUPPLEMENTAL ATTACHMENTS*: See attached table of contents
   * Means all attachments to the complete application.

SDAPCD – Rev. 01.06 Page 1 of 2
**I. MAJOR SOURCE APPLICABILITY**

Check appropriate pollutant(s) for which you are a Major Source under Title V. Applicability is based on potential to emit. If more space is necessary, use additional forms. Please type or print legibly.

<table>
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<tr>
<th>POLLUTANT</th>
<th>MAJOR SOURCE THRESHOLD TOTAL EMISSIONS, TPY</th>
<th>(check if appropriate)</th>
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<td>PM2.5</td>
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<tr>
<td>GHG Emissions (CO2e)</td>
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</table>

The GHG (CO2e) potential to emit was calculated based on 2011 GHG annual report submitted to CARB (see attached summary).

Attach all necessary calculations to this form as applicable. NOTE: Calculations are only needed if no Emission Inventory is on file with the District

Reference: MEE Toxic/Criteria Inventory Report

SME Annual Emissions Report to CARB

Signature of Responsible Official

Daniel S. Baerman
Print Name of Responsible Official

Director - Electric Generation
Title of Responsible Official

**II. EMISSIONS CALCULATIONS ATTACHED (as needed)***

☐ Yes  ☐ No

GHG potential to emit calculations attached.

**DISTRICT USE ONLY**

Date Application Received: 7-30-12
Application Filing Fee: 8958.00
Receipt #: CK #1143436

Application # 2013-App-002231
District Received Stamp:
Fee Code: T1 V
July 20, 2012

Mr. Steven Moore  
Senior Air Pollution Control Engineer  
San Diego County Air Pollution Control District  
10124 Old Grove Road  
San Diego, CA 92131-1649

SUBJECT:  Title V Permit Renewal Application  
San Diego Gas & Electric, Miramar Energy Facility

Dear Mr. Moore:

San Diego Gas & Electric Company ("SDG&E") is hereby submitting a renewal application for the Part 70 (Title V) Operating Permit (No. 984123) for its Miramar Energy Facility (MEF) located at 6875 Consolidated Way in San Diego, California. The Title V permit expires on July 22, 2013. According to Section I.B.1 of the permit, a Title V renewal application must be submitted to the San Diego Air Pollution Control District ("District") no later than July 22, 2012. SDG&E is submitting the attached permit renewal application package to comply with this requirement.

We believe this application package constitutes both a timely and complete submittal to fulfill Part 70 and Regulation XIV permit renewal application requirements. The forms and attachments included for your review are provided in accordance with guidance from the District and include the Responsible Certification. The forms included are as follows:

- 1401-A1 & A2  Stationary Source Summary  
- 1401-G  Insignificant Activity List  
- 1401-H1  Applicable Requirements Summary Check List  
- 1401-H2  List of Permits by Equipment Category  
- 1401-I  Certification Statement  
- 1401-M  Abatement Devices  
- 1401-O  Multiple Applicable Requirements Streamlining (MARS)  
  o 1401-O Details on Attachment O-1 (Table 1)  
- 1401-Q  Request for Permit Shield
Pursuant to your advice, we have also included greenhouse gas (GHG) potential to emit calculations from the plant to address applicability of MEF to EPA's PSD and Title V GHG Tailoring Rule.

In addition, a check in the amount of $8,958 is also being submitted (pursuant to the Title V permit renewal application fee estimate provided by the District).

If you have any questions regarding this application please contact me at (858) 650-4087 (email: hnavrozali@semprautilities.com).

Sincerely,

Hashim Navrozali
Principal Environmental Specialist

Enclosures

cc: Daniel Baerman (SDG&E)
    Charles Hardman (SDG&E)
    Jason Dobbs (SDG&E)
    Fred Waller (SDG&E)
SAN DIEGO COUNTY AIR POLLUTION CONTROL DISTRICT
APPLICATION FEE ESTIMATE

Applicant: San Diego Gas & Electric
Engineer: Steven Moore
Application: Title V Renewal for Miramar Energy

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<th>ACTIVITY</th>
<th>FEE CODE</th>
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<th>LABOR RATE</th>
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</table>

Notes:
1. If actual costs are less than estimated, the difference shall be refunded. If actual costs are greater than estimated, additional fees shall be required. If tests are required, additional fees shall be required but may be deferred until the A/C is issued. Additional emissions fees may also be required. Work records are kept, which may result in a final fee more or less than this estimate.
2. A 2.2% surcharge will be assessed to all credit card payments (American Express and Discover only).
3. This fee estimate is valid until June 30, 2013.
4. Please submit a copy of this fee estimate with your application.

ESTIMATE TOTAL: $8,958
San Diego Gas & Electric

Miramar Energy Facility
6875 Consolidated Way
San Diego, CA 92121

Title V Operating Permit No. 984123
Renewal Application Submittal

Date: July 20, 2012
Application Contents

- Project Summary/Description
- Area Maps

San Diego County Air Pollution Control District Forms

- 1401-A1 & A2 Stationary Source Summary
- 1401-G Insignificant Activity List
- 1401-H1 Applicable Requirements Summary Check List
- 1401-H2 List of Permits by Equipment Category
- 1401-I Certification Statement
- 1401-M Abatement Devices
- 1401-O Multiple Applicable Requirements Streamlining (MARS)
- 1401-Q Request for Permit Shield

Attachments

- Greenhouse Gas (GHG) Potential to Emit Calculations
- Attachment O-1 (MARS)
- Excerpt from CPUC Rule 30 Regarding Natural Gas Quality Standards
- PTO No. APCD2009-PTO-981360 for Turbine #1
- PTO No. APCD2010-PTO-000397 for Turbine #2
- PTO No. APCD2009-PTO-000395 for emergency black-start engine
Project Summary/Description
Miramar Energy Facility
Renewal Application for Title V Operating Permit No. 984123
Project Summary

The Miramar Energy Facility (MEF) is an electrical generation plant designed to meet local and regional electric power requirements and to support the local electric grid. This peaker power plant was constructed to supplement the operations of Reliability Must Run (RMR) facilities in the San Diego region, to alleviate electrical capacity shortages in the region, and to enhance the reliability of service to the City of San Diego.

The plant is currently owned and operated by San Diego Gas & Electric ("SDG&E") and is located at 6875 Consolidated Way in the City of San Diego, CA.

The plant currently consists of two 49.9 MW simple-cycle, natural-gas fired combustion turbines (Model: GE LM6000PC) and a 924 HP natural gas fired black-start emergency engine. The emissions from the turbines are controlled by a high-temperature selective catalytic reduction system (with water and ammonia injections) and oxidation catalyst. The plant is also equipped with a GE Energy Services Data Acquisition and Handling System (DAHS) and a Continuous Emission Monitoring System (CEMS) that monitors emissions of NOx, CO, and Oxygen. The combined operation of the turbines is limited to a maximum of 5,000 hours per calendar year.

The San Diego Air Pollution Control District (District) issued an Authority to Construct for Turbine #1 (No. 981360) at MEF in September 2004 with a maximum operation limit of 5000 hours per calendar year. Turbine #1 started initial operation in May 2005. Although the MEF was not a major source of criteria pollutants, its designation as a Title IV (Acid Rain) emissions source made it subject to a Part 70 (Title V) Facility Operating Permit. As such, SDG&E submitted a Title V application to the District on April 17, 2006. The District subsequently issued a Title V permit (No. 984123) on July 22, 2008.

On May 25, 2007, an application was submitted to the District for addition of a new 49.9 MW simple-cycle turbine (i.e. Turbine #2) and 925 HP black-start emergency engine (Waukesha, Model L36GLD) to the plant. Turbine #2 is identical to Turbine #1 (i.e. GE LM6000PC) and the maximum annual operating hour limit (for both turbines combined) was maintained at 5,000 hours.

The District adopted a Mitigated Negative Declaration (pursuant to CEQA) and issued Authorities to Construct (ATCs) for Turbine #2 (No. 985423) and black-start emergency engine (No. 985424) in November 2008. The new equipment was installed and commenced operation in July 2009. The final PTOs for Turbine #2 and the black-start emergency engines were issued by the District in May 2011.

SDG&E submitted a Title V permit modification application to incorporate Turbine #2 and the black-start emergency engine into the Title V Facility Operating Permit (No. 984123) for the plant on February 2, 2009. The application was assigned an Application No. of 987530. The District, however, has not yet issued the updated Title V permit to reflect the addition of Turbine #2 and the black-start engine.

The Title V permit expires on July 22, 2013. According to Section I.B.1, of the permit, a Title V renewal application is required to be submitted to the District no later than July 22, 2012. SDG&E is hereby submitting the attached Title V renewal application for MEF to comply with this requirement.
Project Area Maps
Form 1401-A1 & A2

Stationary Source Summary