

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT ENGINEERING AND COMPLIANCE DIVISION PERMIT APPLICATION EVALUATION AND CALCULATIONS	PAGES 1	PAGE 1
	APPL NO 480628	DATE 01/20/2012
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TITLE V PERMIT (INITIAL) EVALUATION

APPLICANT'S NAME: SUNSHINE GAS PRODUCERS, L.L.C.

MAILING ADDRESS: 425 SOUTH MAIN STREET
ANN ARBOR, MICHIGAN 48104
ATTN.: MICHAEL MANN, SR. PROJECT MANAGER

EQUIPMENT ADDRESS: 14747 SAN FERNANDO ROAD
(SUNSHINE CANYON LANDFILL)
SYLMAR, CA 91342

FACILITY ID: 139938

Background:

On 09/01/2008, Sunshine Gas Producers, LLC (SGP), a partnership between DTE Biomass Energy and Landfill Energy Systems, submitted application 480628 for initial Title V facility permit. Derenzo and Associates, Inc., Environmental Consultants, prepared and submitted the complete application package for the landfill gas to energy (LFGTE) project. The proposed LFGTE energy project will be located at Sunshine Canyon Landfill (active landfill, Facility ID # 49111, that will provide LFG) which is located in Sylmar, Los Angeles County, California. The landfill is owned and operated by Republic Services, Inc. SGP is considered a separate facility with Facility ID # 139938.

Proposed LFGTE facility's air pollutant emissions rate is expected to exceed major source threshold specified in Regulation XXX, Rule 3001. Therefore, this facility is considered a Title V facility.

The LFGTE project consists of the following applications,

Application Number	Equipment Description
480567	Gas turbine No. 1,Solar, Mercury 50, landfill gas fueled, 43.28 MMBTU/HR, driving a nominal 4.9 MW electric generator
480568	Gas turbine No. 2,Solar, Mercury 50, landfill gas fueled, 43.28 MMBTU/HR, driving a nominal 4.9 MW electric generator
480569	Gas turbine No. 3,Solar, Mercury 50, landfill gas fueled, 43.28 MMBTU/HR, driving a nominal 4.9 MW electric generator
480570	Gas turbine No. 4,Solar, Mercury 50, landfill gas fueled, 43.28 MMBTU/HR, driving a nominal 4.9 MW electric generator
480571	Gas turbine No. 5,Solar, Mercury 50, landfill gas fueled, 43.28 MMBTU/HR, driving a nominal 4.9 MW electric generator
480572	Landfill gas flare, John Zink, ultra low emission flare, 6.4 MMBTU/HR, treating exhaust from the LFG Treatment /compression system
482510	Landfill gas treatment and compression system for Siloxane removal, total 10,450 scfm capacity.
480628	Title V Initial Application
518031	Compliance Assurance Monitoring (CAM) Plan

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Permit to construct and temporary permit to operate evaluation for the above equipment is included as attachment. Each permit with equipment description, conditions, emissions and requirements and periodic monitoring requirements is included in Title V facility permit, Section H.

Rules Evaluation:

Compliance with applicable rules and regulations is expected.

Conclusions & Recommendations:

Issue the initial Title V permit for the facility upon completion of Rule 212 and Title V public notice commenting period, 45-day EPA review, and SCAQMD (Lead Agency) certification of California Environmental Quality Act (CEQA) documents.