



# South Coast Air Quality Management District

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

## NOTICE OF INTENT TO ISSUE "PERMIT TO CONSTRUCT" PURSUANT TO RULE 212 AND TITLE V PERMIT PURSUANT TO RULE 3006

This notice is to inform you that the South Coast Air Quality Management District (AQMD) has received applications for permits to construct for a landfill gas to energy (LFGTE) project that consists of a landfill gas (LFG) treatment system, five (5) stationary combustion turbines, and an ultra low emission enclosed flare. The AQMD is the air pollution control agency for the four county-region including all of Orange County and non-desert portions of Los Angeles, Riverside and San Bernardino counties. Anyone wishing to install or modify equipment that could release or control air pollution within this region must first obtain a permit from the AQMD. As required by Title V of the federal Clean Air Act, the AQMD is proposing to issue permits in the form of Title V facility permit. Rule 212 requires the applicant for certain projects, such as this one, to distribute and publish a public notice prepared by the AQMD prior to the issuance of permit. This notice is being distributed and published in accordance with AQMD Rule 212(g) and Rule 3006 (Title V).

The AQMD has evaluated the permit applications for the following equipment and determined that the equipment will meet the requirements of all applicable air quality Rules and Regulations.

**APPLICANT:** SUNSHINE GAS PRODUCERS, LLC. (Facility ID 139938)  
**APPLICATIONS NOS.:** 480567 through 480572, 482510 AND 480628  
**LOCATION:** 14747 San Fernando Road (at Sunshine Canyon Landfill)  
Sylmar, CA.  
**PROJECT DESCRIPTION:** LANDFILL GAS TREATMENT AND LANDFILL GAS TO ENERGY SYSTEM

AQMD's regulation requires landfill owners/operators to collect and combust or treat landfill gas to reduce methane and smog forming emissions. Landfill gas generated by the decomposing refuse at the Sunshine Canyon Landfill is presently collected and combusted in enclosed flares. Applicant is proposing to use the collected landfill gas as fuel in five proposed gas turbines. The turbines will drive the generators that will produce approximately 24.5 MW gross of electricity. To prolong the operational expectancy of the gas turbines, applicant will be treating the raw landfill gas through a regenerative gas treatment system. Impurities collected during the treatment process will be combusted in a new ultra low emission flare. The existing flares at the landfill will remain on-site as a back-up to ensure proper destruction of the landfill gas in the event the proposed equipment are inoperable.

This facility will use the best available control technology for controlling air pollution. The maximum emission increase from this project will be limited to the following amounts: Nitrogen Oxide – 391 lbs/day, Reactive Organic Gases – 110 lbs/day, Carbon Monoxide – 401 lbs/day, Particulate Matter (PM10/PM2.5) – 113 lbs/day, Sulfur Oxides – 332 lbs/day. This operation will also emit small quantities of some toxic compounds. These toxic compounds have been identified as acute (short term), chronic (long term) or carcinogenic air contaminants. The AQMD has evaluated the acute and chronic health risks and they are both below our rule's toxic thresholds (below a hazard index of 1). According to the health experts, a hazard index of one or less means that the surrounding community including the most sensitive individuals such as very young children and the elderly will not experience any adverse health impacts due to the toxic (non-carcinogenic) nature of these emissions. The AQMD has also conducted a risk assessment to determine the maximum individual cancer risk (MICR) associated with the maximum exposure due to this project. This worst case analysis assumes that an individual is exposed to the emissions for an entire 70 year life time. The risk at this location is calculated to be approximately 0.78 in a million. The AQMD has found that operation of this equipment will be in compliance with AQMD's standards. The operation of this equipment is not expected to have an adverse effect on the surrounding community.

The air quality analysis of this equipment is available for public review at the AQMD's headquarters in Diamond Bar, and at the Sylmar Branch Library, 14561 Polk Street, Sylmar, Ca 91342. A copy of the draft permit can be viewed at [www.aqmd.gov/webappl/publicNotices/Search.aspx](http://www.aqmd.gov/webappl/publicNotices/Search.aspx) by entering the company's name. Information regarding the 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. Anyone wishing to comment on the proposed issuance of this permit should submit their comments in writing by **March 1, 2012**. If you are concerned primarily about zoning decisions and the process by which this facility has been sited at this location, you should contact your local city or county planning department. Please submit comments related to air quality to Mr. Gaurang Rawal, Air Quality Engineer, Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, California 91765-4182. For additional information, please call Mr. Gaurang Rawal at (909) 396-2543. For your general information, anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the AQMD by calling 1-800-CUT-SMOG [1 (800) 288-7664].

### **Proposed Initial Title V Permit**

As required by Title V of the federal Clean Air Act, the Title V permits include all of the emission limits, applicable requirements and operating conditions imposed on the equipment. The facilities are required to certify compliance with the Title V permits in addition to recordkeeping and mandatory reporting of any deviation from the permit conditions. The AQMD will consider all public comments and may revise the proposed Title V permit in accordance with AQMD rules and regulations.

The public may request the AQMD to conduct a public hearing on the proposed Title V permit by submitting a Hearing Request Form (Form 500-G) to Mr. Gaurang Rawal of the AQMD. The public hearing request must contain all the information requested on the form in order for the AQMD to determine whether or not the request is valid or a public hearing will be held. The AQMD will hold a public hearing if there is evidence that the proposed Title V permit is incorrect or inadequate to ensure compliance with regulatory requirements, and that a public 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 downloading from the Internet at <http://www.aqmd.gov/titlev>. The public must submit hearing requests by **February 15, 2012** to the AQMD, and must send a copy of the hearing request by first class mail to the facility contact person Mr. Mark Cousino, Manager, Sunshine Gas Producers, LLC, 425 S. Main Street, Ann Arbor, MI 48104 at the same time.