



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • 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 and five (5) stationary combustion turbines. The AQMD is the air pollution control agency for all of Orange County and portions of Los Angeles, Riverside and San Bernardino Counties. Anyone wishing to operate, install or modify equipment that could be a source of 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 all applicable air quality requirements of our Rules and Regulations. Although this equipment is either exempt from emission offset requirements or eligible for Priority Reserve Credits pursuant to AQMD Rules 1304 or 1309.1, respectively, AQMD has not been able to issue the final permit(s) due to a permit moratorium resulting from a lawsuit and a state court decision. To overcome the permit moratorium, AQMD sponsored legislation (SB 827) which was signed by the Governor and will take effect on January 1, 2010. Therefore, the AQMD is proposing to issue the requested permit after the completion of this public notice and comment period, but no earlier than January 1, 2010, which is the effective date of the new legislation.

APPLICANT: BOWERMAN POWER LFG, LLC.
APPLICATIONS NOS.: 489109, 489110, 489111, 489113, and 489115 through 489117
LOCATION: 11002 Bee Canyon Access Road (at Frank R. Bowerman Landfill)
Irvine, CA.
PROJECT DESCRIPTION: LANDFILL GAS TREATMENT, ENCLOSED FLARE, AND LANDFILL GAS TO ENERGY SYSTEM

Landfill gas generated by the decomposing refuse at the Frank R. Bowerman Landfill is presently collected and combusted in enclosed flares. AQMD's regulation requires landfill owners/operators to collect and combust or treat landfill gas to reduce methane and smog forming emissions. Applicant is proposing to use the landfill gas collected, from the Frank R. Bowerman landfill, as fuel in five proposed gas turbines. The turbines will drive the generators that will produce approximately 23 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 and regenerative off-gas will be combusted in an existing landfill gas enclosed flares which is owned and operated by OC Waste & Recycling. 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 emissions increase from this project will be limited to the following amounts: Carbon Monoxide – 1303 lbs/day, Nitrogen Oxide – 668 lbs/day, Particulate Matter (PM10/PM2.5) – 131 lbs/day, Reactive Organic Gases – 86 lbs/day, and Sulfur Oxides – 323 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.



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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 0.05 in a million. This means that if a person stood at this location for 70 years, the chance of contracting cancer would increase by 0.000005 percent. The AQMD has found that operation of this equipment will be in compliance with AQMD's standards. Detailed computer modeling has shown that the operation of this equipment should not 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 Katie Wheeler Library, 13109 Old Mayford Road, Irvine, Ca 92602. A copy of the draft permit can also be viewed at www.aqmd.gov/webappl/publicNotices/Search.aspx by entering the company's name or ID number. 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 February 4, 2010. 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 AQMD is proposing to issue the permits for the proposed equipment in the form of Title V facility permit. The Title V permit will not only contain all of the emissions limits and operating conditions, but will require monitoring, record keeping, mandatory reporting of any violations of permit conditions, and annual certifications by the operator that their facility is in compliance with the permit. The Title V permit shall be enforceable by the AQMD, by the federal government and, for the first time, by citizens. 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 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 January 20, 2010 to the AQMD, and must send a copy of the hearing request by first class mail to Mr. Christopher A. Davis, Vice President, Bowerman Power LFG, LLC, 880 Anderson Drive, Foster Plaza 10, 5th Floor, Pittsburgh, PA 15220.