



South Coast Air Quality Management District



21865 Copley Drive, Diamond Bar, CA 91765-4178
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NOTICE OF INTENT TO ISSUE PERMITS TO CONSTRUCT AND OPERATE PURSUANT TO RULE 212 AND A SCAQMD INITIAL TITLE V PERMIT PURSUANT TO RULE 3006

This notice is to inform you that the South Coast Air Quality Management District (SCAQMD) has received applications for a proposed biosolids drying project which includes a dryer, regenerative thermal oxidizer, boilers, microturbines, and air pollution control systems at a location in your neighborhood. The SCAQMD 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 SCAQMD. As required by Title V of the federal Clean Air Act, the SCAQMD 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 SCAQMD prior to the issuance of permit. This notice is being distributed and published in accordance with SCAQMD Rule 212(g) and Rule 3006 (Title V).

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

APPLICANT: Irvine Ranch Water District (Facility ID 003513)
APPLICATION NO.: 563444
LOCATION: 3512 Michelson Drive, Irvine, CA 92612
PROJECT DESCRIPTION: Biosolids Drying Project

This is an existing facility which operates a sewage treatment plant. As a result of the proposed biosolids drying project, the facility's maximum potential Oxides of Nitrogen (NOx) and Volatile Organic Compounds (VOC) emissions exceed the Title V applicable threshold and the applicant has filed for an initial Title V permit (Application No. 563444).

The proposed biosolids drying project will process biosolids (a waste byproduct from sewage treatment) by a combination of heating, drying, and sizing to produce marketable Class A biosolids pellets. The proposed biosolids dryer will have a maximum heat input capacity of 31 million BTU per hour. The biosolids drying process is conducted in a triple pass rotary drum dryer and the emissions are collected and vented to a condenser, venturi scrubber, and regenerative thermal oxidizer, while particulate emissions are vented to dust collector(s) and then an odor control unit. The condenser removes liquid from the vapor stream, the venturi scrubber controls ammonia, and the regenerative thermal oxidizer controls VOC through oxidation. The regenerative thermal oxidizer control efficiency is expected to be better than 95% for VOC. A dust collector captures and removes particulate matter through a filtration process similar to a vacuum cleaner. The odor control system is used to control hydrogen sulfide (H₂S) emissions from the biosolids drying process. Other equipment associated with this project include boilers, microturbines, a flare, an emergency standby engine for electrical generation, and a plasma arc cutter and associated dust collector.

The proposed equipment will use the best available control technology (BACT) for controlling air pollution. The maximum potential 30-day average emission increase of NOx and VOC from this project will be: Oxides of Nitrogen – 91 pounds per day and Volatile Organic Gases - 60 pounds per day. This operation also emits Carbon Monoxide (CO), Particle Matter 10 micron (PM₁₀), Oxides of Sulfur (SOx) and small quantities of some toxic compounds. These toxic compounds have been identified as acute (short term), chronic (long term) or carcinogenic air contaminants. The SCAQMD 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 air quality analysis of this project is available for public review at the SCAQMD's headquarters in Diamond Bar and at the Orange County Public Library, University Park Branch located at 4512 Sandburg Way, in the City of Irvine. A copy of the draft permit can also be viewed at <http://www3.aqmd.gov/webappl/publicnotices2/> by entering the company's name or ID number. Information regarding the facility owner's compliance history submitted to the SCAQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to SCAQMD, based on credible information, is also available from the SCAQMD for public review. Anyone wishing to comment on the proposed issuance of this permit should submit his/her comments in writing by **July 30, 2015**. 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 Ms. Angela Shibata, 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 Ms. Angela Shibata at (909) 396-2737. For your general information,

anyone experiencing air quality problems such as dust or odor can telephone in a complaint to the SCAQMD 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 SCAQMD is proposing to issue the permits for the 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 will be enforceable by the SCAQMD, by the federal government and, for the first time, by citizens. The SCAQMD will consider all public comments and may revise the proposed Title V permit in accordance with SCAQMD rules and regulations.

The public may request the SCAQMD to conduct a public hearing on the proposed Title V permit by submitting a Hearing Request Form (Form 500-G) to Ms. Angela Shibata at the above SCAQMD address. The public hearing request must contain all the information requested on the form in order for the SCAQMD to determine whether or not the request is valid or if a public hearing will be held. The public hearing request forms may be obtained from the SCAQMD by calling the Title V hotline at (909) 396-3013, or downloading from the internet at <http://www.aqmd.gov/docs/default-source/grants/500-g-form.pdf?sfvrsn=2>. **Any request for public hearings must be submitted to the SCAQMD no later than July 15, 2015. A copy of the hearing request must also be sent by first class mail to Mr. Paul Cook, General Manager, Irvine Ranch Water District, 3512 Michelson Drive, Irvine, CA 92612, at the same time.**

Distribution Date: _____