



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 "PERMITS TO CONSTRUCT & OPERATE" PURSUANT TO RULE 212

This notice is to inform you that the South Coast Air Quality Management District (AQMD) has received three applications for permits to construct and operate to install a lithographic printing press, modify an existing regenerative thermal oxidizer, and change permit conditions on an existing lithographic printing press at a location in your neighborhood. 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. Rule 212 requires the applicant for certain projects to distribute a public notice prepared by the AQMD prior to the issuance of a permit. This notice is being distributed due to the level of emissions.

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.

APPLICANT: HANDBILL PRINTERS

APPLICATION NOS.: 487020, 487021 & 489886

LOCATION: 14321 CORPORATE DRIVE, GARDEN GROVE, CA 92843

PROJECT DESCRIPTION: INSTALL A LITHOGRAPHIC PRINTING PRESS, MODIFY AN EXISTING REGENERATIVE THERMAL OXIDIZER, AND CHANGE PERMIT CONDITIONS ON AN EXISTING LITHOGRAPHIC PRINTING PRESS

The lithographic printing process is a method of applying inks on a substrate such as paper to produce printed documents. This printing process also uses fountain solution. Blanket and roller washes are used to clean the presses. The inks, fountain solutions, and blanket and roller washes contain Volatile Organic Compounds (VOC) which evaporate during the printing, drying and cleaning operations. The VOC from the inks used on the printing press will be captured and controlled by the regenerative thermal oxidizer (RTO), reducing the emissions by at least 95%. In addition, low VOC content washes are used for clean-up.

The facility currently operates four printing presses (each with an oven) and one RTO under a facility-wide emission limit of 2684 pounds of VOC per month. One of the existing lithographic printing presses has a permit condition limiting natural gas usage in its oven. The facility is proposing to add a new lithographic printing press with a gas-fired oven, modify the RTO to also vent the oven on the new press, and change the permit condition limiting the natural gas usage on the existing press so that the same limit applies to the existing press as well as the new press. The new press oven will be equipped with a low NOx burner to minimize oxides of nitrogen (NOx) emissions from the combustion of natural gas. This project will not cause a net increase in the potential VOC or combustion emissions from this facility since the facility-wide VOC emission limit is not changing and the combustion emissions from the new press are included with the

emissions from the existing press under the natural gas usage limit. Our calculations show that a maximum of 89 pounds of VOC per day could be emitted into the air from the new press. In addition, a maximum of 1.5 pounds per day of oxides of nitrogen (NOx) and 2.2 pounds per day of carbon monoxide (CO) could be emitted into the air from the combustion of natural gas in the new lithographic printing press oven. Generally, the amounts will be less as most facilities do not operate at their maximum potential. But even at the maximum amount, this project complies with all aspects of the AQMD's air pollution control requirements, including best available control technology.

The new printing press oven will emit small quantities of some toxic compounds from natural gas combustion. The AQMD has evaluated the short term (acute) and long term (chronic) health impacts associated with the maximum potential emissions. Using worst case conditions, our evaluation shows that the chronic and acute health risks are both well below our rule's toxic thresholds (below a Hazard Index of 1). According to the state 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 nature of these emissions.

The air quality analysis of this project is available for public review at the AQMD's headquarters in Diamond Bar and at the Garden Grove Regional Library, 11200 Stanford Ave., Garden Grove, California 92840. A copy of the draft permits can be viewed at www.aqmd.gov/webappl/PublicNotices/Search.aspx by entering the company's name. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to 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 November 24, 2008. 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. Shailesh Patel, Air Quality Engineer, Coating, Printing, Aerospace & Metal Finishing Operations, Engineering and Compliance, South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, California 91765-4178.

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).