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 and OPERATE" PURSUANT TO RULE 212

This notice is to inform you that the South Coast Air Quality Management District (AQMD) has received six applications for permits to construct and operate to add three lithographic printing presses and an internal combustion engine, and replace two existing lithographic printing presses 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:	**MADISON-GRAHAM COLORGRAPHICS**
APPLICATION NOs.:	**459677, 498415-498417, 511011 & 512895**
LOCATION:	**150 N. MYERS STREET, LOS ANGELES, CA 90033**
PROJECT DESCRIPTION:	**ADD THREE LITHOGRAPHIC PRINTING PRESSES, REPLACE TWO EXISTING LITHOGRAPHIC PRINTING PRESSES, AND ADD A NEW NATURAL GAS-FIRED EMERGENCY INTERNAL COMBUSTION (IC) ENGINE**

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. Three of the printing presses have electric infrared dryers, one press has electric infrared and ultra-violet dryers, and one press is heat-set with a natural gas fired dryer. The VOC from the inks used on the heat-set printing press will be captured and controlled by the existing regenerative thermal oxidizer (RTO), reducing the emissions by at least 95%. Low VOC content fountain solution and washes are used in all the presses. The natural gas fired internal combustion engine is used to provide emergency electrical power for the facility during a power outage.

The facility operates a number of lithographic printing presses under a facility-wide emission limit of 10,890 pounds of VOC per month (approximately 363 pounds per day). The facility also has an existing monthly natural gas usage limit. The heat-set 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 does 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 will be included with the emissions from the existing presses under the facility natural gas usage limit. Our calculations show that a maximum of 363 pounds of VOC per day

could be emitted into the air from the new presses. In addition, a maximum of 6.5 pounds per day of oxides of nitrogen (NOx), 5.9 pounds per day of carbon monoxide (CO), 1.3 pounds per day of particulate matter less than 10 microns and 1.2 pounds per day of VOC could be emitted into the air from the combustion of natural gas in the new heat-set press oven, and 0.23 pounds per day of NOx and 0.31 pounds per day of CO could be emitted into the air from the combustion of natural gas in the new emergency IC engine. 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 emergency IC engine and the gas-fired dryer of the heat-set printing press will emit small quantities of some toxic compounds from natural gas combustion. In addition, the new printing presses will emit small quantities of some toxic compounds present in the fountain solution and washes used on the presses. However, 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 Benjamin Franklin Branch Library, 2200 E. 1st Street, Los Angeles, California 90033. 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 these permits should submit their comments in writing by March 7, 2011. 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. Jeanne Pandes Villacorte, Air Quality Engineer, Coating, Printing, Plating, Military & Entertainment 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).