

Graphic Arts

Graphic arts and printing operations emit Volatile Organic Compounds (VOC) during the printing of newspapers, books, magazines, fabrics and other materials. The graphic arts industry includes: rotogravure, flexography, offset lithography, letterpress, screen, and plate less printing.

Most of the VOC emitted by graphic arts operations come from the fountain solutions, printing inks, and cleaning solutions. The emissions estimates do not include large operations accounted for in the point sources.

The graphic arts VOC emissions factor used for the printing industry is based on population, 1.3 pounds VOC per capita. The emissions factor covers uncontrolled graphic arts emissions from facilities that emit fewer than 100 tons per year VOC.

References:

Environmental Protection Agency (EPA). STAPPA-ALAPCO-EPA Emission Inventory Improvement Program (EIIP). Volume III - Area Sources Preferred and Alternative Methods. November 1996.