



BAY AREA  
AIR QUALITY  
MANAGEMENT  
DISTRICT

# WORKSHOP NOTICE

June 16, 2008

TO: INTERESTED PARTIES  
FROM: EXECUTIVE OFFICER/APCO  
SUBJECT: **PUBLIC WORKSHOPS – PROPOSED  
AMENDMENTS TO REGULATION 8,  
RULE 20: GRAPHIC ARTS PRINTING  
AND COATING OPERATIONS, AND  
REGULATION 2: PERMITS, RULE 1:  
GENERAL REQUIREMENTS**

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The staff of the Bay Area Air Quality Management District (District) will conduct two public workshops to present, discuss, and receive comments on proposed changes to Regulation 8, Rule 20: Graphic Arts Printing and Coating Operations, and Regulation 2, Rule 1: Permits, General Requirements. The first workshop will be held from 2 PM to 4 PM, on July 14 2008, in the 7<sup>th</sup> Floor Board of Directors meeting room at the District office located at 939 Ellis Street, San Francisco. A second workshop will be held from 6:30 PM to 8:30 PM, on July 15, 2008, in the MTC Auditorium located at 101 8<sup>th</sup> Street, Oakland.

## BACKGROUND

The District is considering amendments to Regulation 8, Rule 20, to further reduce Volatile Organic Compound (VOC) emissions from graphic arts and printing operations. The Bay Area is not yet in attainment of state ozone standards, so the District must implement all feasible measures to reduce emissions of pollutants that form ozone, nitrogen oxides (NO<sub>x</sub>) and VOCs or reactive organic gases (ROG). Control Measure SS-2 of the District's 2005 Ozone Strategy included consideration of amendments to Regulation 8, Rule 20: Graphic Arts Printing and Coating Operations. Control Measure SS-2 suggested ROG reductions from printing operations by reducing the allowable VOC limit for flexographic inks used on porous substrates and by limiting the VOC content of clean up solvent used on flexographic presses.

Staff's analysis of the graphic arts rule verified the feasibility of lowering VOC limits for flexographic inks and cleanup solvents and also identified additional ROG reductions from printing operations by proposing the reduction of VOC limits for clean up solvents used in several printing technologies.

## **WORKSHOP DISCUSSION:**

This workshop will review the feasibility of amending Regulation 8, Rule 20, to reduce current VOC limits for flexographic inks applied to porous substrates as well as VOC limits for cleaning products used in a variety of printing operations. Also, VOC limits will be proposed for letterpress printing, adhesive application equipment, maintenance and repairs, and for surface preparation. A registration program will be introduced for printing facilities with low VOC emissions in lieu of the requirement to apply for a permit to operate. Also, an exemption from VOC standards is being proposed for digital printing operations.

Potential amendments for Regulation 8, Rule 20 include:

- establish new VOC limits for graphic arts cleaning products for the following printing operations:
  - flexographic printing,
  - gravure printing,
  - lithographic printing,
  - screen printing, and
  - ultraviolet (UV) printing;
- establish for the first time VOC limits for graphic arts cleaning products for the following:
  - letterpress printing,
  - adhesive application equipment,
  - maintenance and repairs, and
  - surface preparation;
- delete VOC composite partial pressure (CPP) limits for cleaning products;
- establish an exemption for cleaning products used on UV lamps and reflectors;
- reduce the low emissions exemption limit from 175 lbs/month to 75 lbs/month;
- establish separate VOC limits for porous and non-porous flexographic printing;
- establish a VOC labeling requirement for ink and cleaning product containers;
- establish a clause that prohibits the sale of graphic arts products that do not contain a label that specifies VOC content;
- add new definitions to the rule and clarify existing language;
- explicitly exempt digital printing from the VOC standards in this rule; and,
- require registration of facilities emitting between 75 lb/month and 400 lb/month VOC.

In addition, staff proposes to amend Regulation 2, Rule 1, to require permits of printing facilities that emit more than 400 lbs of VOC per month. Currently, permits are required of printing facilities that use less than 30 gallons of ink per year or emit less than 150 lbs of VOC per year.

For copies of the Workshop Report or the proposed amendments to Regulation 8, Rule 20 and Regulation 2, Rule 1 that the District is considering, see our website at <http://www.baaqmd.gov/pln/ruledev/workshops.htm>. For questions or comments on the regulatory proposal, please contact Will Saltz at (415) 749-4698 or [wsaltz@baaqmd.gov](mailto:wsaltz@baaqmd.gov). Interested parties are invited to submit comments on the Workshop Report or the proposed amendments to Rule 8-20. The deadline for comments is August 5, 2008.

**SAN FRANCISCO PUBLIC TRANSPORTATION**

**MUNI -- #47 AND #49** NORTH AND SOUTH ON VAN NESS AVENUE  
**#38** EAST AND WEST ON GEARY BOULEVARD/O'FARRELL STREET  
**BART --** CIVIC CENTER STATION 8<sup>th</sup> AND MARKET STREETS

Attendees are encouraged to ride public transit, rideshare, bicycle or walk to and from the workshop.

**CITY OF OAKLAND PUBLIC TRANSPORTATION**

**AC Transit -- #11** from Piedmont or Montclair;  
**#59 or #59A** from Montclair;  
**#62** from East or West Oakland; and,  
**#88** from Berkeley  
**Amtrak --** C.L. Dellums Station (2nd and Alice Streets)  
**BART --** Lake Merritt Station

URL for directions: [http://www.mtc.ca.gov/about\\_mtc/directions.htm](http://www.mtc.ca.gov/about_mtc/directions.htm)

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