

February 9, 2011

This Advisory is provided to inform you about Air District activities that may affect your operation. It will help you achieve and maintain compliance with applicable air quality rules and regulations.

ATTENTION: Owners or operators of semiconductor or related devices operations that use fluorinated gases or heat transfer fluids

SUBJECT: Regulation to Achieve Greenhouse Gas Emission Reductions from Semiconductors and Related Devices

The California Global Warming Solutions Act of 2006 [Health and Safety Code section 38560.5. (a)] stipulates that the California Air Resources Board (CARB) identify discrete early action greenhouse gas emission reduction measures. On February 26, 2009, CARB approved a regulation to reduce greenhouse gas emissions from Semiconductors and Related Devices [Title 17, California Code of Regulations, Article 4, Subarticle 2, sections 95320 to 95326].

The regulation is applicable to owners or operators of semiconductor or related devices operations that use fluorinated gases or heat transfer fluids. The regulation sets emission standards, administrative requirements, and compliance dates that facilities must achieve to maintain compliance. Some important requirements are summarized as follows:

- **Due March 1, 2011, Reporting of Initial and Annual Emissions:** The owner or operator of a semiconductor operation must submit an initial and annual emissions report pursuant to the requirements specified in section 95324 to the Bay Area Air Quality Management District (District). The initial emissions report is due no later than March 1, 2011 and subsequent annual emissions reports are due no later than March 1st of each calendar year annually. These reports must quantify the monthly and annual emissions from semiconductor operations conducted during the previous calendar year. A sample emissions calculator can be found on CARB's website. The initial and annual reports should be sent to:

Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attention: Compliance and Enforcement Division
- **Due March 1, 2011, Permit Application:** The owner or operator of a semiconductor operation that is installing equipment to meet the emission standards by January 1, 2012 must submit a permit application to the District no later than March 1, 2011.
- **Due March 1, 2013, Permit Application:** The owner or operator of an operation that is replacing Chemical Vapor Deposition or etching tools that process 150 millimeter diameter wafers with tools that process 200 millimeter diameter, or larger wafers, to meet emission standards by January 1, 2014 must submit a permit application to the District no later than March 1, 2013.

More information can be obtained from the following sources:

- ☎ For questions about this Advisory, contact Steven Chin, Supervising Air Quality Supervisor at schin@baaqmd.gov or (415) 749-4751.
- ☎ For info regarding this State Regulation see: <http://www.arb.ca.gov/cc/semiconductors/semiconductors.htm>
- ☎ For questions about Air District Permits, call the Engineering Division at (415) 749-4990.
- ☎ For compliance assistance, call the Compliance Counselor Hotline at: (415) 749-4999.