



Air Pollution Control Board

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December 20, 2005

NOTICE OF WORKSHOP

FOR DISCUSSION OF IMPLEMENTATION OF A NEW AIRBORNE TOXIC CONTROL MEASURE TO REDUCE EMISSIONS OF HEXAVALENT CHROMIUM AND NICKEL FROM THERMAL SPRAYING

The San Diego County Air Pollution Control District (District) will hold a public meeting to discuss the implementation of a new California Air Resources Board (CARB) statewide regulation entitled "Airborne Toxic Control Measure (ATCM) to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying." The regulation is designed to reduce public exposure to hexavalent chromium and nickel emissions statewide. Exposure to hexavalent chromium and nickel may cause cancer, respiratory irritation, and other health problems. Under the California Health and Safety Code, the District is required to implement and enforce state airborne toxic control measures.

The District will provide an overview of the new regulation at the meeting and answer questions regarding its requirements. The District will also discuss how the regulation will be implemented and enforced in San Diego County. Comments concerning local implementation or requirements of the control measure may be submitted in writing before or made at the meeting, which is scheduled as follows:

DATE: Wednesday, January 25, 2006
TIME: 9:00 a.m. - 11:00 a.m.
PLACE: San Diego Air Pollution Control District
Main Conference Room
10124 Old Grove Road
San Diego, CA 92131

(A map of our new location is on the back.)

On December 9, 2004, the California Air Resources Board adopted a new ATCM, Section 93102.5, Title 17, California Code of Regulations (17 CCR 93102.5) that applies to stationary thermal spraying of chromium or nickel or their compounds. The regulation became effective on September 30, 2005. Thermal spraying operations include detonation gun spraying, flame spraying, high-velocity oxy-fuel spraying, plasma spraying, and twin-wire electric arc spraying of metals or ceramics. The regulation does not apply to portable thermal spraying operations.

The ATCM categorizes thermal spraying facilities as existing, new, or modified operations with different emissions requirements for each category. Existing thermal spraying facilities are those

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in operation before January 1, 2005. New thermal spraying facilities are those that began initial operations on or after January 1, 2005. Modified thermal spraying operations are existing thermal spraying facilities that undergo certain physical changes in operation after January 1, 2005. In addition, thermal spraying operations at existing facilities that begin spraying chromium or nickel, having not done so in the past, are considered modified operations.

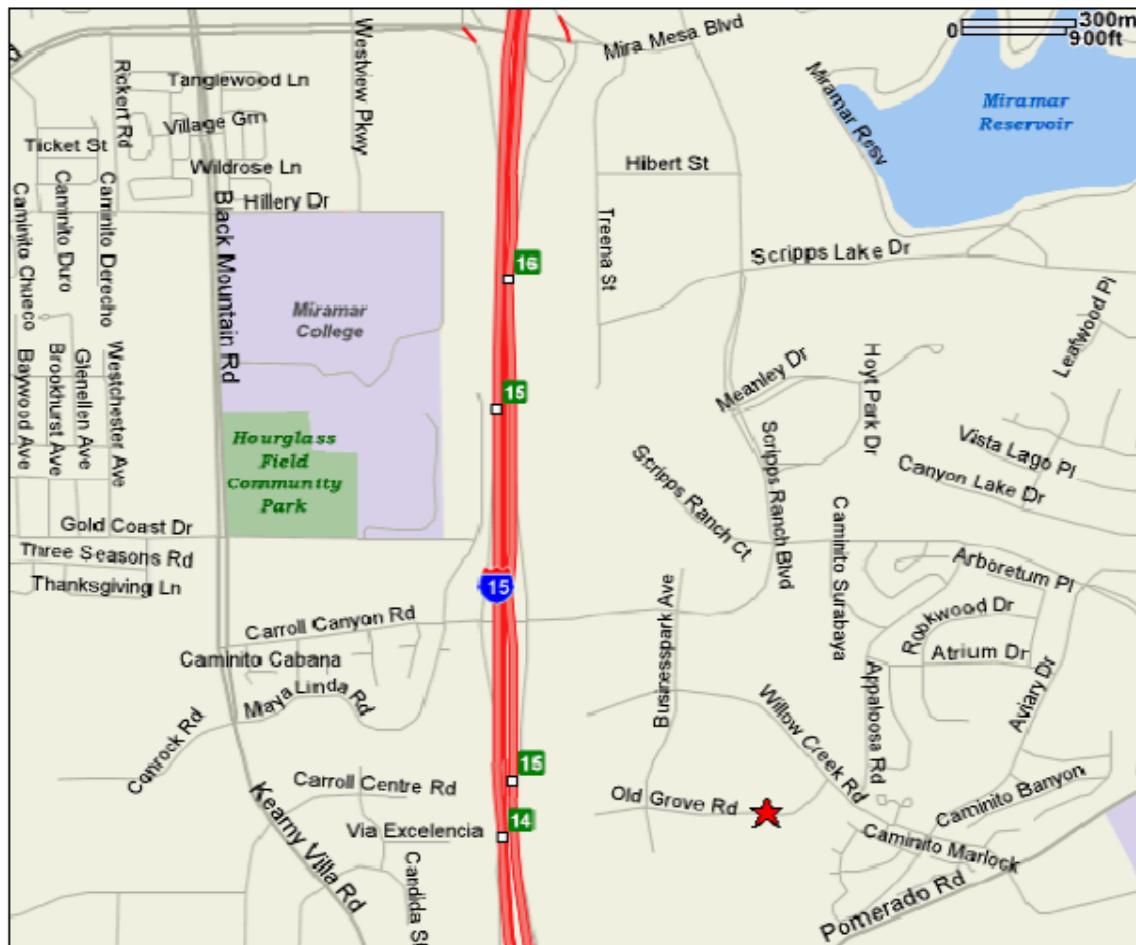
Specifically, for thermal spraying operations using chromium or nickel, the airborne toxic control measure:

- Requires emissions be routed through an air pollution control system that meets specified ventilation and enclosure standards.
- For existing thermal spraying operations, requires compliance with specified control efficiency standards by January 1, 2006. The control efficiency standards are dependent on current controlled emissions of chromium and nickel.
- For modified and new thermal spraying, requires that operations must use a control device certified by the manufacturer to achieve 99.97 percent control efficiency for particulates that are 0.3 micron in diameter.
- Requires new thermal spraying facilities be located at least 500 feet away from an area that is zoned residential or mixed use.
- Specifies that emissions be determined in accordance with specified emission calculation methods in the regulation or based on site-specific source test data.
- Exempts remotely located and low emitting thermal spraying operations from the control efficiency, ventilation, and enclosure standards.
- Specifies test methods to determine compliance with the control efficiency, ventilation, and enclosure standards and to determine emissions of hexavalent chromium and nickel. In addition, the regulation requires source tests be conducted by an independent tester.
- Contains monitoring, inspection, maintenance, recordkeeping, and reporting requirements for thermal spraying operations.
- Requires a baseline emission inventory for hexavalent chromium and nickel be submitted to the District.

Copies of the airborne toxic control measure may be obtained from the Air Resources Board web site, <http://www.arb.ca.gov/regact/thermspr/fro1.pdf>, or you may call Luann Serbesku at (858) 586-2755. If you have any questions concerning the control measure, please contact Cara Bandera at (858) 586-2751 or Steven Moore at (858) 586-2750.

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