

Technology & Environmental
Assessment Division

Memorandum

To: Subscription Service Members and District Personnel
From: Ron Tan
Date: January 15, 2009
Re: Implementation of Airborne Toxic Control Measures in the Santa Barbara County Air Pollution Control District

The Santa Barbara County Air Pollution Control District is required to implement various State Airborne Toxic Control Measures. When the State adopts an Airborne Toxic Control Measure, an Air Pollution Control District has two options:

1. Implement the Airborne Toxic Control Measure approved by the State, or
2. Adopt a local rule that is as strict or stricter than the Airborne Toxic Control Measure.

During the late 1980's and early 1990's, the Santa Barbara County Air Pollution Control District implemented State Airborne Toxic Control Measures (ATCMs) with specific rules. Beginning in 1994, we changed our practice to implement State-approved new and updated State Airborne Toxic Control Measures without adopting rules.

Under State law, a federal National Emission Standards for Hazardous Air Pollutants (NESHAP) becomes the State ATCM, unless the Air Resources Board (ARB) has already adopted an ATCM for the source category and associated hazardous air pollutant(s). Once a NESHAP becomes an ATCM, the ARB and the air pollution control and air quality management districts (districts) have certain responsibilities related to the implementation and enforcement of the NESHAP/ATCM.

The ARB's implementation of a NESHAP/ATCM begins on the effective date of the NESHAP, as published in the Federal Register notice of final rulemaking for the NESHAP. For a NESHAP/ATCM not covered by an APCD rule, the districts are required to implement and enforce the final NESHAP/ATCM no later than 120 after the effective date of the NESHAP.

Attached Table 1 lists all of the section 112 NESHAPs promulgated by the U.S. EPA as of July 2008, together with related State ATCM implementation information.

Attached Table 2 shows the ATCMs that are listed in the California Code of Regulations and that are in effect as of January 8, 2009. Table 2 includes related information on APCD rules that may implement the ATCM. If a Santa Barbara County Air Pollution Control District rule is associated with the implementation of an ATCM, sources need to comply with the local rule (e.g., Rules 316, 335, 336, and 340). Rule 1001, incorporates many of the 40 CFR Part 61 NESHAP provisions by reference. Sometimes the 40 CFR Part 63 National Emission Standards for Hazardous Air Pollutants for Source Categories are referred to as Maximum Achievable Control Technology (MACT).

Irrespective of an ATCM being listed in the attached tables, if the State or federal government has adopted a new or updated ATCM or NESHAP/ATCM it is a State and/or federal law and sources subject to it are required to comply with its provisions.

Electronic versions of the ATCMs listed in the California Code of Regulations are available at the California Air Resources Board web site at <http://www.arb.ca.gov/toxics/atcm/atcm.htm>. This web site also provides additional documents and details on revisions and implementation of those Airborne Toxic Control Measures.

Santa Barbara County Air Pollution Control District rules for implementing Airborne Toxic Control Measures referenced in Table 2 may be obtained at our web site at <http://www.sbcapcd.org/rules/dlrules.htm>.

40 CFR Part 63 Subparts relative to NESHAP/MACT provisions may be obtained from the <http://www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1> web page.

We recommend that the previously APCD-issued memorandum and material on ATCMs be removed from the rulebook binder. Further, that this memorandum with its attachments be inserted into the "ATCM/MACT" section of the rulebook binder, behind the APCD Rules and Regulations.

If you have any questions about this matter, please contact Doug Grapple at (805) 961-8883.

Table 1

**California Environmental Protection Agency
Air Resources Board**

U.S. EPA-Promulgated National Emission Standards for Hazardous Air Pollutants

July 2008

Source Category	40 CFR 63 Subpart	FR Reference	Publication/ Effective Date
Nine Metal Fabrication and Finishing Source Categories (Area Sources)	XXXXXX	73 FR 42978	July 23, 2008
Plating and Polishing Operations (Area Sources)	WWWWWW	73 FR 37728	July 1, 2008
Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities (Area Sources) Gasoline Dispensing Facilities (Area Sources)	BBBBBB CCCCCC	73 FR 1916	January 10, 2008
Paint Stripping and Miscellaneous Surface Coating Operations (Area Sources)	HHHHHH	73 FR 1738	January 9, 2008
Iron and Steel Foundries (Area Sources)	ZZZZZ	73 FR 226	January 2, 2008
Electric Arc Furnace Steelmaking Facilities (Area Sources)	YYYYY	72 FR 74088	December 28, 2007
Hospital Ethylene Oxide Sterilizers (Area Sources) ²	WWWWW	72 FR 73611	December 28, 2007
Clay Ceramics Manufacturing (Area Sources)	RRRRRR	72 FR 73180	December 26, 2007
Glass Manufacturing (Area Sources)	SSSSSS		
Secondary Nonferrous Metals Processing (Area Sources) ²	TTTTTT		
Area Sources: Acrylic and Modacrylic Fibers Production Carbon Black Production Chemical Manufacturing: Chromium Compounds Flexible Polyurethane Foam Production and Fabrication Lead Acid Battery Manufacturing Wood Preserving	LLLLLL MMMMMM NNNNNN OOOOOO PPPPPP QQQQQQ	72 FR 38864	July 16, 2007

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U.S. EPA-Promulgated National Emission Standards for Hazardous Air Pollutants

July 2008

Source Category	40 CFR 63 Subpart	FR Reference	Publication/ Effective Date
Area Sources:		72 FR 2930	January 23, 2007
Polyvinyl Chloride and Copolymers Production	DDDDDD		
Primary Copper Smelting	EEEEEE		
Secondary Copper Smelting	FFFFFF		
Primary Nonferrous Metals ²	GGGGGG		
Industrial, Commercial, and Institutional Boilers and Process Heaters	DDDDD	69 FR 55218	September 13, 2004/ November 12, 2004
Plywood and Composite Wood Products	DDDD	69 FR 45944	July 30, 2004/ September 28, 2004
Stationary Reciprocating Internal Combustion Engines ²	ZZZZ	69 FR 33474	June 15, 2004/ August 16, 2004
Surface Coating of Automobiles and Light-Duty Trucks	IIII	69 FR 22602	April 26, 2004
Iron and Steel Foundries	EEEE	69 FR 21906	April 22, 2004
Surface Coating of Plastic Parts and Products	PPPP	69 FR 20968	April 19, 2004
Stationary Combustion Turbines	YYYY	69 FR 10512	March 5, 2004
Organic Liquid Distribution (Non-Gasoline)	EEEE	69 FR 5038	February 3, 2004
Lime Manufacturing Plants	AAAAA	69 FR 394	January 5, 2004
Surface Coating of Miscellaneous Metal Parts and Products	MMMM	69 FR 130	January 2, 2004
Mercury Cell Chlor-Alkali Plants	IIIII	68 FR 70904	December 15, 2003
Miscellaneous Coating Manufacturing Facilities	HHHHH	68 FR 69164	December 11, 2003
Surface Coating of Metal Cans	KKKK	68 FR 64432	November 13, 2003
Miscellaneous Organic Chemical Manufacturing Facilities	FFFF	68 FR 63852	November 10, 2003
Taconite Iron Ore Processing Facilities ¹	RRRRR	68 FR 61868	October 30, 2003
Primary Magnesium Refineries ¹	TTTTT	68 FR 58615	October 10, 2003
Site Remediation	GGGGG	68 FR 58172	October 8, 2003
Printing, Coating, and Dyeing of Fabrics and Other Textiles	OOOO	68 FR 32172	May 29, 2003
Surface Coating of Wood Building Products	QQQQ	68 FR 31746	May 28, 2003
Engine Test Cells/Stands	PPPPP	68 FR 28774	May 27, 2003
Surface Coating of Metal Furniture	RRRR	68 FR 28606	May 23, 2003
Semiconductor Manufacturing	BBBBB	68 FR 27913	May 22, 2003
Integrated Iron and Steel Manufacturing	FFFFF	68 FR 27646	May 20, 2003
Clay Ceramics Manufacturing	KKKKK	68 FR 26738	May 16, 2003
Brick and Structural Clay Products Manufacturing	JJJJJ	68 FR 26722	May 16, 2003

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U.S. EPA-Promulgated National Emission Standards for Hazardous Air Pollutants

July 2008

Source Category	40 CFR 63 Subpart	FR Reference	Publication/ Effective Date
Asphalt Processing and Asphalt Roofing Manufacturing	LLLLL	68 FR 22976	April 29, 2003
Reinforced Plastic Composites Production	WWWW	68 FR 19375	April 21, 2003
Hydrochloric Acid Production	NNNNN	68 FR 19076	April 17, 2003
Refractory Products Manufacturing	SSSSS	68 FR 18730	April 16, 2003
Flexible Polyurethane Foam Fabrication Operations	MMMMM	68 FR 18062	April 14, 2003
Coke Ovens: Pushing, Quenching, and Battery Stacks ¹	CCCCC	68 FR 18008	April 14, 2003
Municipal Solid Waste Landfills	AAAA	68 FR 2227	January 16, 2003
Paper and Other Web Coating Facilities	JJJJ	67 FR 72330	December 4, 2002
Friction Materials Manufacturing Facilities ¹	QQQQQ	67 FR 64498	October 18, 2002
Surface Coating of Large Appliances	NNNN	67 FR 48254	July 23, 2002
Polyvinyl Chloride and Copolymers Production	J	67 FR 45886	July 10, 2002
Rubber Tire Manufacturing	XXXX	67 FR 45588	July 9, 2002
Primary Copper Smelting ¹	QQQ	67 FR 40478	June 12, 2002
Cellulose Products Manufacturing ¹	UUUU	67 FR 40044	June 11, 2002
Surface Coating of Metal Coil	SSSS	67 FR 39794	June 10, 2002
Wet-Formed Fiberglass Mat Production Plants	HHHH	67 FR 17824	April 11, 2002
Petroleum Refineries: Catalytic Cracking Units, Catalytic Reforming Units, Sulfur Recovery Units	UUU	67 FR 17762	April 11, 2002
Leather Finishing Operations	TTTT	67FR9156	February 27, 2002
Boat Manufacturing	VVVV	66 FR 44218	August 22, 2001
Manufacturing of Nutritional Yeast	CCCC	66 FR 27872	May 21, 2001
Solvent Extraction for Vegetable Oil Production	GGGG	66 FR 19006	April 12, 2001
Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills	MM	66 FR 3180	January 12, 2001
Secondary Aluminum Production	RRR	65 FR 15690	March 23, 2000
Amino/Phenolic Resins Production	OOO	65 FR 3276	January 20, 2000
Publicly Owned Treatment Works	VVV	64 FR 57572	October 26, 1999

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**California Environmental Protection Agency
Air Resources Board**

U.S. EPA-Promulgated National Emission Standards for Hazardous Air Pollutants

July 2008

Source Category	40 CFR 63 Subpart	FR Reference	Publication/ Effective Date
Generic Maximum Achievable Control Technology (Generic MACT):	Preamble	64 FR 34854	June 29, 1999
Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process	SS	64 FR 34866	June 29, 1999
Equipment Leaks - Control Level 1	TT	64 FR 34886	June 29, 1999
Equipment Leaks - Control Level 2	UU	64 FR 34899	June 29, 1999
Storage Vessels (Tanks) - Control Level 2	WW	64 FR 34918	June 29, 1999
Generic Maximum Achievable Control Technology Standards	YY	64 FR 34921	June 29, 1999
Ethylene Manufacturing Units: Heat Exchange Systems and Waste Operations	XX	64 FR 46258	July 12, 2002
Pesticide Active Ingredient Production	MMM	64 FR 33550	June 23, 1999
Steel Pickling-HCl Process Facilities and Hydrochloric Acid Regeneration Plants	CCC	64 FR 33202	June 22, 1999
Oil and Natural Gas Production Facilities	HH	64 FR 32628	June 17, 1999
Natural Gas Transmission and Storage Facilities	HHH	64 FR 32647	June 17, 1999
Portland Cement Manufacturing Industry	LLL	64 FR 31898	June 14, 1999
Wool Fiberglass Manufacturing	NNN	64 FR 31695	June 14, 1999
Phosphoric Acid Manufacturing Plants	AA	64 FR 31376	June 10, 1999
Phosphate Fertilizers Production Plants	BB	64 FR 31382	June 10, 1999
Primary Lead Smelting	TTT	64 FR 30194	June 4, 1999
Mineral Wool Production	DDD	64 FR 29490	June 1, 1999
Polyether Polyols Production	PPP	64 FR 29420	June 1, 1999
Ferroalloys Production: Ferromanganese and Siliconmanganese ¹	XXX	64 FR 27450	May 20, 1999
Flexible Polyurethane Foam Production	III	63 FR 53980	October 7, 1998
Pharmaceuticals Production	GGG	63 FR 50280	September 21, 1998
Hazardous Waste Combustors	EEE	63 FR 33820	June 19, 1998
Pulp and Paper Production	S	63 FR 18503	April 15, 1998
Primary Aluminum Reduction Plants ¹	LL	62 FR 52383	October 7, 1997
Group IV Polymers and Resins	JJJ	61 FR 48207	September 12, 1996
Group I Polymers and Resins	U	61 FR 46905	September 5, 1996
Off-Site Waste and Recovery Operations	DD	61 FR 34139	July 1, 1996
Tanks - Level 1	OO	61 FR 34184	July 1, 1996
Containers	PP	61 FR 34186	July 1, 1996
Surface Impoundments	QQ	61 FR 34190	July 1, 1996

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U.S. EPA-Promulgated National Emission Standards for Hazardous Air Pollutants

July 2008

Source Category	40 CFR 63 Subpart	FR Reference	Publication/ Effective Date
Individual Drain Systems	RR	61 FR 34193	July 1, 1996
Oil-Water Separators and Organic-Water Separator	VV	61 FR34195	July 1, 1996
Printing and Publishing Industry	KK	61 FR27132	May 30, 1996
Shipbuilding and Ship Repair (Surface Coating)	II	60 FR 64330	December 15, 1995
Wood Furniture Manufacturing Operations	JJ	60 FR 62930	December 7, 1995
Marine Tank Vessels Loading Operations	Y	60 FR 48388	September 19, 1995
Aerospace Manufacturing and Rework Facilities	GG	60 FR 45948	September 1, 1995
Petroleum Refineries	CC	60 FR 43243	August 18, 1995
Secondary Lead Smelters	X	60 FR 32587	June 23, 1995
Polymers and Resin II ¹	W	60 FR 12670	March 8, 1995
Chromium Electroplating ^{2,3}	N	60 FR 4948	January 25, 1995
Magnetic Tape Manufacturing Operations	EE	59 FR 64580	December 15, 1994
Gasoline Distribution (Stage 1)	R	59 FR 64303	December 14, 1994
Ethylene Oxide Sterilizers ^{2,4}	O	59 FR 62585	December 6, 1994
Halogenated Solvent Cleaning	T	59 FR 61801	December 2, 1994
Cooling Towers ^{2,5}	Q	59 FR 46339	September 8, 1994
Hazardous Organic NESHAP (HON)	F,G,H,I	59 FR 19402	April 22, 1994
Coke Ovens ¹	L	58 FR 57911	October 27, 1993
Perchloroethylene Dry Cleaning ^{2,6}	M	58 FR 49354	September 22, 1993

¹ No known California facility

² Because the ARB has adopted ATCMs for these source categories, the NESHAPs are not state ATCMs. As such, the districts are not required to implement and enforce these NESHAPs under State law. However, districts with approved Part 70 (Title V) operating permit programs are required to enforce the requirements of these NESHAPs for affected sources under federal law.

³ On March 15, 1999, the U.S. EPA approved the ATCM for Emissions of Hexavalent Chromium from Decorative and Hard Chrome Plating and Chromic Acid Anodizing Facilities (Chrome Electroplating ATCM) as equivalent to the federal NESHAP. The Chrome Electroplating ATCM is the federally enforceable chrome electroplating standard in California beginning on April 14, 1999, and replaces the Chrome Electroplating NESHAP, except for those provisions of the Chrome Electroplating NESHAP that apply to major sources.

⁴ On April 7, 1999, the ARB submitted to the U.S. EPA an equivalency request for the ATCM for ethylene oxide sterilizers (Ethylene Oxide ATCM). If approved by the U.S. EPA, the Ethylene Oxide ATCM will become the federally enforceable standard in California in place of the Ethylene Oxide NESHAP.

⁵ The ARB's cooling tower ATCM prohibits the use of chromium in cooling tower water. Sources are only subject to the cooling tower NESHAP if they use chromium in cooling tower water. Therefore, the cooling tower NESHAP is not applicable in California.

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⁶ On May 21, 1996, the U.S. EPA granted approval to the ARB to implement and enforce the ATCM for Emissions of Perchloroethylene from Dry Cleaning Operations (Dry Cleaning ATCM). As a result, the Dry Cleaning ATCM is the federally enforceable dry cleaning standard in California beginning on June 20, 1996. The Dry Cleaning ATCM replaces the National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities (Dry Cleaning NESHAP) in California, except for those provisions of the Dry Cleaning NESHAP that apply to major sources. Major source facilities are subject to both the Dry Cleaning ATCM and the major source provisions of the Dry Cleaning NESHAP. The differences in the two regulations for major sources are relatively minor and affect only two or three facilities in California.

Table 2

**California Environmental Protection Agency
Air Resources Board**

Airborne Toxic Control Measures Listed in the California Code of Regulations

California Code of Regulation Title and Section that Enables the ATCM	Airborne Toxic Control Measure (ATCM)	Applicable Santa Barbara County Air Pollution Control District Rule for Implementing the ATCM
Title 17 § 93101	<u>Benzene ATCM for Retail Service Stations</u> , <i>Adopted:</i> May 13, 1988	Rule 316, <u>Storage and Transfer of Gasoline</u>
Title 17 § 93101.5	<u>Airborne Toxic Control Measure to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying</u> , <i>Adopted:</i> December 9, 2004, <i>Effective:</i> September 30, 2005	
Title 17 § 93102-93102.16	<u>Airborne Toxic Control Measure for Chromium Plating and Chromic Acid Anodizing Facilities</u> , <i>Adopted:</i> February 18, 1988, <i>Amended:</i> December 7, 2006, <i>Effective:</i> October 24, 2007	
Title 17 § 93102.5	See Title 17 § 93101.5 for the Thermal Spraying ATCM. The Thermal Spraying ATCM was originally codified in the California Code of Regulations, title 17, section 93102.5. The Thermal Spraying ATCM was re-numbered from section 93102.5 to section 93101.5.	
Title 17 § 93103	<u>Chromate Treated Cooling Towers</u> , <i>Adopted:</i> March 9, 1989	Rule 335, <u>Control of Hexavalent Chromium in Cooling Towers</u>
Title 17 § 93104	<u>Dioxins ATCM for Medical Waste Incinerators</u> , <i>Adopted:</i> July 13, 1990	Rule 340, <u>Control of Dioxins from Medical Waste Incinerators</u>
Title 17 § 93105	<u>Asbestos ATCM for Construction, Grading, Quarrying, and Surface Mining Operations</u> , <i>Adopted:</i> July 26, 2001	
Title 17 § 93106	<u>Asbestos ATCM for Surfacing Applications</u> , <i>Adopted:</i> July 20, 1990, <i>Amended:</i> July 20, 2000	
Title 17 § 93107	<u>ATCM for Emissions of Toxic Metals from Non-ferrous Metal Melting</u> <i>Adopted:</i> January 14, 1993	
Title 17 § 93108 Title 17 § 93108.5	<u>Ethylene Oxide ATCM for Sterilizers and Aerators; Parts 1 and 2</u> , <i>Adopted:</i> May 21, 1998, <i>Effective:</i> January 28, 1999	Rule 336, <u>Control of Ethylene Oxide Emissions</u>
Title 17 § 93109	<u>ATCM for Emissions of Perchloroethylene from Dry Cleaning Operations</u> ; <i>Adopted:</i> October 14, 1993, <i>Amended:</i> January 25, 2007	
Title 17 § 93110	<u>Environmental Training Program Regulation for Perchloroethylene Dry Cleaning Operations</u> ; <i>Adopted:</i> October 14, 1993	
Title 17 § 93111	<u>ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance and Repair Activities</u> , <i>Adopted:</i> April 27, 2000	

Table 2

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Air Resources Board**

Airborne Toxic Control Measures Listed in the California Code of Regulations

California Code of Regulation Title and Section that Enables the ATCM	Airborne Toxic Control Measure (ATCM)	Applicable Santa Barbara County Air Pollution Control District Rule for Implementing the ATCM
Title 17 § 93112	<u>ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings</u> , <i>Adopted: September 20, 2001</i>	
Title 17 § 93113	<u>ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning</u> , <i>Adopted: February 3, 2003</i>	
Title 17 § 93114	<u>ATCM to Reduce Particulate Emissions from Diesel-Fueled Engines -- Standards for Nonvehicular Diesel Fuel</u> , <i>Adopted: July 24, 2003</i>	
Title 13 § 2480	<u>ATCM to Limit School Bus Idling and Idling at Schools</u> , <i>Adopted: December 12, 2002, Effective: July 16, 2003</i>	
Title 13 § 2020 Title 13 § 2021	<u>Diesel Particulate Matter Control Measure for On-road Heavy-duty Diesel-fueled Residential and Commercial Solid Waste Collection Vehicles</u> , <i>Adopted: September 25, 2003</i>	
Title 17 § 93115	<u>ATCM for Stationary Compression Ignition Engines</u> , <i>Adopted: February 26, 2004, Revised, effective October 18, 2007</i>	
Title 17 § 93116	<u>ATCM for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater</u> , <i>Adopted: February 26, 2004, Effective: March 11, 2005</i>	
Title 13 § 2477 and Article 8	<u>ATCM for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, and Facilities Where TRUs Operate</u> , <i>Adopted: February 26, 2004</i>	
Title 13 Chapter 10 § 2485	<u>ATCM to Limit Diesel-Fueled Commercial Motor Vehicle Idling</u> , <i>Adopted: July 22, 2004, Effective: February 1, 2005</i>	
Title 13 § 2479	<u>Regulation for Mobile Cargo Handling Equipment at Ports and Intermodal Rail Yards</u> , <i>Adopted: December 8, 2005, Effective: December 31, 2006</i>	
Title 13 § 2299.1 Title 17 § 93118	<u>Emission Limits and Requirements for Auxiliary Diesel Engines and Diesel-Electric Engines Operated on Ocean-Going Vessels within California Waters and 24 Nautical Miles of the California Baseline</u> <i>Adopted: December 8, 2005</i>	