

BOARD MEETING DATE: July 12, 1996

AGENDA NO.

REPORT: Rule Forecast

SYNOPSIS: This report highlights AQMD rulemaking activity for 1996 and beyond. Upcoming public workshops are noted, both in the regular calendar and in a separate list at the end of the report.

COMMITTEE: Not applicable.

RECOMMENDED ACTION

Receive and file the attached report.

James M. Lents, Ph.D.  
Executive Officer

PL:ELP:SMM

Attachment - Rule Forecast Report

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RULE FORECAST REPORT - JULY 1996  
Advance Target for Board Hearings

AUGUST 1996

**1113 Architectural Coatings (CM# CTS-07)**

Proposed amendments will extend the quart-container exemption, and implement portions of AQMP Control Measure CTS-07.

*Fred Lettice - (909)396-2576 CEQA: Darren Stroud (2526) Socio: Shah Dabirian (3076)*

SEPTEMBER 1996

**1118 \* Emission Reductions from Refinery Flares**

Proposed rule will take a two-step approach to gather data on flaring operations at petroleum refineries to assess the need for, or the level of, any future controls required in order to reduce flare emissions. The first step will require refineries to monitor flaring activities for the amount and composition of gases being flared. If the data demonstrates a need to control flaring operations, step two of the rule will be to develop specific control requirements to reduce flare emissions.

*Mohsen Nazemi - (909)396-2662 CEQA: Darren Stroud (2526) Socio: Sue Lieu (3059)*

**1125 Can, Drum, & Coil Coating**

Proposed amendments will be based on a recent review of available technology. Coil coating facilities would be able to reduce emissions through reformulation and enclosure of roller coater units to capture fugitive emissions. Reductions may also be realized from drum manufacturers through coating reformulations, increased transfer efficiency of spray guns, and installation of control equipment.

*Anupom Ganguli - (909)396-3185 CEQA: Mike Krause (2706)*

*Socio: Bob Kneisel (3199)*

**1128 Paper, Fabric, & Film Coating (CM# CTS-G)**

Proposed amendments will be based on a recent review of available technology. These facilities can achieve additional reductions through the use of reformulated materials, increased effectiveness of add-on control equipment, UV-curable coatings and adhesives with negligible VOC emissions. Additional reductions will come from the use of hotmelt adhesives and resin impregnating applications.

*Anupom Ganguli - (909)396-3185 CEQA: Mike Krause (2706)*

*Socio: Francis Goh (3075)*

**1130 Graphic Arts (CM# CTS-1)**

Proposed amendments will be based on a recent review of available technology. Emissions associated with inks and fountain solutions can be reduced with current available technology. The advent of ultraviolet and electron beam technology will allow a switch from conventional inks to inks with little or no VOC emissions. Solvent cleanup emissions will also be reduced through the use of automatic blanket washers and vegetable-based solvents.

*Anupom Ganguli - (909)396-3185 CEQA: Jonathan Nadler (3071)*

*Socio: Sue Lieu (3059)*

SEPTEMBER 1996 Continued . . .

**1171 Solvent Cleaning Operations (CM# CTS-C)**  
Proposed amendments will be based on a recent review of available technology. The VOC limit for repair and maintenance cleaning will be lowered from 950 to 50 g/l in this proposal, effective 1999, due to the general availability of aqueous cleaners.  
*Anupom Ganguli - (909)396-3185 CEQA: Jonathan Nadler (3071)*  
*Socio: Bob Kneisel (3199)*

**1176 \* Sumps and Wastewater Separators (CM# FUG-02)**  
Proposed amendments will ensure further reductions of VOC emissions from process drains and other components of wastewater systems located at refineries, oil and gas production facilities, and chemical and industrial plants.  
*Mohsen Nazemi - (909)396-2662 CEQA: Tara Sheehy (3102) Socio: Francis Goh (3075)*

**1405 Control of Ethylene Oxide & CFC Emissions from Sterilization or Fumigation Processes**  
Proposed amendments will clarify requirements for testing inlet samples.  
*John Higuchi - (909)396-2267 CEQA: Darren Stroud (2526)*  
*Socio: Bob Kneisel (3199)*

OCTOBER 1996

**1107 Metal Products Coating (CM# CTS-B & CTS-H)**  
Proposed amendments will be based on a recent review of available technology. The technology review reveals that VOC concentration limits can be reduced to 185 grams per liter, as applied with powder coatings for both general and high gloss coatings. Non-compliant solvent-borne high solids coatings could be vented to control equipment. The use of acetone, an exempt solvent, will also reduce emissions.  
*Anupom Ganguli - (909)396-3185 CEQA: Mike Krause (2706)*  
*Socio: Francis Goh (3075)*

**1173 \* Fugitive Emissions of Volatile Organic Compounds (CM# FUG-04)**  
Proposed amendments will address SIP recommendations identified by U.S. EPA; consider lowering leak thresholds for minor and major gas leaks; require the use of trained individuals for leak inspections; consider the new federal NESHAPS requirements; and address other issues regarding implementation of inspection and maintenance.  
*Mohsen Nazemi - (909)396-2662 CEQA: Steve Smith (3054) Socio: Bob Kneisel (3199)*

NOVEMBER 1996

**212 Standards for Approving Permits**  
Proposed amendments will bring AQMD's rule in line with state law governing public noticing requirements.  
*Ben Shaw - (909)396-2394 CEQA: Darren Stroud (2526)*

**219 Equipment Not Requiring a Written Permit Pursuant to Regulation II**  
Proposed amendments will incorporate the requirements of the solvent degreasing NESHAP.  
*Larry Bowen - (909)396-2575 CEQA: Tara Sheehy (3102) Socio: Bob Kneisel (3199)*

<b>1105.1 *</b>	<p><b>Fluid Catalytic Cracking Units (CM# CMB-09)</b>  Proposed rule will reduce PM10 emissions from petroleum refinery fluid catalytic cracking units.  <i>Mohsen Nazemi - (909)396-2662 CEQA: Jonathan Nadler (3071)</i>  <i>Socio: Sue Lieu (3059)</i></p>
<b>1110</b>	<p><b>Emissions from Stationary IC Engines (Demonstration) (CM# CMB-F)</b></p>
<b>1110.1</b>	<p><b>Emissions from Stationary IC Engines (CM# CMB-F)</b></p>
<b>1110.2</b>	<p><b>Emissions from Gaseous- &amp; Liquid-Fueled IC Engines (CM# CMB-F)</b>  Proposed amendments will consolidate the above rules to update emission limits and other requirements; eliminate duplicate or obsolete language; reflect requirements of U. S. EPA non-road engine rulemaking; establish consistency with Proposed Regulation XXI - Portable Equipment - Statewide Regulation; and address AQMP Control Measure CMB-F.  <i>Larry Bowen - (909)396-2575 CEQA: Darren Stroud (2526) Socio: Bob Kneisel (3199)</i></p>
<b>1124</b>	<p><b>Aerospace Component Coating (CM# CTS-K)</b>  Proposed amendments will be based on a recent review of available technology. Clean-up solvents using blends containing exempt acetone will reduce VOC emissions from this industry. Further reductions are expected from: primers, topcoats, adhesive bonding primers, temporary protective coatings, chemical milling and chemical processing maskants; solid film/barrier coatings, and fuel tank coatings.  <i>Alene Taber - (909)396-3057 CEQA: Jonathan Nadler (3071)</i>  <i>Socio: Shah Dabirian (3076)</i></p>
<b>1145</b>	<p><b>Plastic, Rubber &amp; Glass Coatings</b>  Proposed amendments will be based on a recent review of available technology. Reformulation will allow for reductions from electric-dissipating and shock-free coatings. Replacement technology such as UV-curable coatings may also result in emission reductions in the distant future.  <i>Dave Schwien - (909)396-2577 CEQA: Mike Krause (2706) Socio: Sue Lieu (3059)</i></p>
<b>2009 *</b>	<p><b>Area Source Credits (CM# CMB-03, CMB-04 &amp; CMB-06)</b>  Proposed rule will implement the market incentives program for area sources to supplement RECLAIM.  <i>Pang Mueller - (909)396-2433 CEQA: Tara Sheehy (3102) Socio: Sue Lieu (3059)</i></p>
<b>Reg. XXX *</b>	<p><b>Title V Operating Permits</b>  Regulation XXX was developed to establish the parameters for an operating permit program that satisfies the requirements of Title V of the Clean Air Act Amendments of 1990. On August 29, 1994, U. S. EPA proposed revisions to regulations that define the minimum elements of an approvable operating permit program. These regulations are expected to be finalized in 1996. Regulation XXX will then be amended to parallel changes in the EPA program.  <i>Pang Mueller - (909)396-2433 CEQA: Darren Stroud (2526)</i>  <i>Socio: Shah Dabirian (3076)</i></p>

DECEMBER 1996

- 403 Fugitive Dust**  
Proposed amendments will incorporate control measures **BCM-01** through **BCM-05** from the 1994 BACM SIP to meet the Clean Air Act requirements for Best Available Control Measures.
- 403.2 Fugitive Dust - Contingency Requirements for the Coachella Valley**  
Proposed rule will develop fugitive dust contingency measures as required under the Clean Air Act. Rule is to be adopted but not implemented unless future milestone targets are not met.
- 403.3 Fugitive Dust - Contingency Requirements for the South Coast Air Basin**  
Proposed rule will develop fugitive dust control contingency measures as required under the Clean Air Act. This rule is to be adopted but not implemented unless future milestone targets are not met.  
*Mel Zeldin - (909)396-3058 CEQA: Jonathan Nadler (3071) Socio: Sue Lieu (3059)*
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- 463 Storage of Organic Liquids (CM# FUG-03)**  
Proposed amendments will take a two-step approach to gather data on organic liquid storage tanks that are currently exempt from Rule 463 to assess the need for, or the level of, any future controls required in order to reduce VOC emissions from these tanks. The first step will require that the AQMD assess emissions from tanks presently exempt from Rule 463. If the emissions from these storage tanks are significant, the AQMD will proceed with Step II which will include identification of the appropriate control options.  
*Mohsen Nazemi - (909)396-2662 CEQA: Steve Smith (3054) Socio: Sue Lieu (3059)*
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- 1130.1 Screen Printing Operations (CM# CTS-I)**  
Staff will evaluate current VOC limits and amend as necessary.  
**WORKSHOP: 8/2/96 9:00 a.m., AQMD Headquarters**  
*Fred Lettice - (909)396-2576 CEQA: Jonathan Nadler (3071) Socio: Sue Lieu (3059)*
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- 1138 \* Restaurant Operations (CM# PRC-03)**  
Proposed rule will address VOC and PM10 control requirements in AQMP Control Measure PRC-03 for commercial cooking operations and restaurants.  
*Jill Whynot - (909)396-3104 CEQA: Mike Krause (2706) Socio: Shah Dabirian (3076)*
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- 1186 PM10 Emissions from Paved and Unpaved Roads and Livestock Operations**  
(Formerly listed as Rule 403 amendment.) This rule cannot completely be done in Rule 403. Proposed amendments will incorporate control measures **BCM-01** through **BCM-05** from the 1994 BACM SIP to meet the Clean Air Act requirements for Best Available Control Measures.  
*Mel Zeldin - (909)396-3058*
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- 1415 Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems**  
Proposed amendments will ensure consistency with EPA Clean Air Act requirements.  
*Mike Mills - (909)396-2578 CEQA: Tara Sheehy (3102) Socio: Sue Lieu (3059)*
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- MSC-02 In-Use Compliance Program for Air Pollution Control Equipment** (all pollutants).  
*Ben Shaw - (909)396-2394 CEQA: Tara Sheehy (3102) Socio: Sue Lieu (3059)*

DECEMBER 1996 Continued. . .

**Title III \* FCAA Title III Program - Regulation XVIII**

This program will necessitate the adoption of new rules to implement administrative requirements and NESHAPS. Rules that may need to be amended include Rules 108, 109, 461, 462, 463, 464, 466, 477, 481, 1101, 1106, 1124, 1125, 1126, 1129, 1130, 1130.1, 1136, 1141, 1142, 1162, 1173, 1176, 1179, 1405, 1406, and 1420.

*Ben Shaw - (909)396-2394 CEQA: Mike Krause (2706) Socio: Francis Goh (3075)*

3RD OR 4TH QUARTER 1996

**Intercredit Trading**

Proposed rule will link AQMD's mobile and stationary source credit trading programs to increase compliance flexibility.

*Elaine Chang - (909)396-3186 / Jill Whynot (3104)*

*CEQA: Jonathan Nadler (3071) Socio: Francis Goh (3075)*

TO-BE-DETERMINED 1996

**310 Amnesty for Unpermitted Equipment**

Proposed amendment will provide incentive for wood strippers to apply for air quality permits.

*Larry Kolczak - (909)396-3215*

**1106 & Marine & Pleasure Craft Coating Operations**

**1106.1** (CM# CTS-D)

*Alene Taber - (909)396-3057*

**1164 Electronic Components**

(CM# CTS-A)

*Alene Taber - (909)396-3057*

**1168 Adhesives (CM# CTS-E)**

Proposed amendments will be based on a recent review of available technology. The majority of facilities using adhesives are currently able to utilize available low-VOC (or zero-VOC) adhesives.

PUBLIC WORKSHOP: Nov. 19, 9:00 a.m., AQMD Auditorium, Diamond Bar

*Anupom Ganguli - (909)396-3185*

**1503 \* Trip Reduction for Schools (CM# ISR-05)**

Proposed rule will facilitate the reduction of student trips to high schools, colleges, and universities. The rule will provide a list of trip reduction strategies from which schools will select actions to achieve their trip reduction goals.

*Laki Tisopulos - (909)396-3123 CEQA: Steve Smith (3054) Socio: Sue Lieu (3059)*

**1505 \* Regional Shopping Facilities (CM# ISR-02)**

Proposed rule will reduce emissions and congestion generated by vehicle trips to and from large regional shopping centers. The rule will specify a menu of actions that operators of regional shopping centers may implement at their facilities.

*Laki Tisopulos - (909)396-3123 CEQA: Steve Smith (3054) Socio: Sue Lieu (3059)*

TO-BE-DETERMINED 1996 Continued . . .

<b>1506 *</b>	<b>Registration and Commercial Vehicles (CM# ISR-03)</b> Proposed rule will be used to compile data on commercial vehicle trips. Data will be used to design a rule that reduces emissions and congestion from commercial vehicle activities generated by commercial business facilities. This rule will specify a menu of actions that the operators of commercial businesses may implement at their facilities. <i>Laki Tisopulos - (909)396-3123 CEQA: Steve Smith (3054) Socio: Sue Lieu (3059)</i>
<b>1510 *</b>	<b>Special Events Centers (CM# ISR-01)</b> Proposed rule will reduce emissions and congestion generated by special event centers. The rule will specify a menu of actions that reduce emissions and congestion. Operators of special event centers will select actions from the menu to be implemented at their facilities. <i>Laki Tisopulos - (909)396-3123 CEQA: Tara Sheehy (3102) Socio: Shah Dabirian (3076)</i>
<b>1512 *</b>	<b>Airport Ground Access (CM# ISR-04)</b> Proposed rule will reduce emissions and congestion from passenger trips to and from airports. A menu of actions that reduce emissions and congestion will be specified in the rule. Operators of airports will select actions from the menu to be implemented at their facilities. <i>Laki Tisopulos - (909)396-3123 CEQA: Steve Smith (3054) Socio: Sue Lieu (3059)</i>
<b>CMB-05</b>	<b>Clean Stationary Fuels</b> <i>Mike Mills - (909)396-2578</i>
<b>CMB-10</b>	<b>Emission Reductions from Glass Melting Furnaces (Non-RECLAIM) (NOx)</b> <i>Dave Schwien - (909)396-2577</i>
<b>CMB-11</b>	<b>Emission Reductions from Non-RECLAIM Incinerators</b> <i>William Thompson - (909)396-2398</i>
<b>CMB-B</b>	<b>Control of Emissions from Small Boilers and Process Heaters (NOx)</b> <i>Mike Mills - (909)396-2578</i>
<b>CMB-C</b>	<b>Control of Emissions from Curing and Drying Ovens (NOx)</b> <i>Alene Taber - (909)396-3057</i>
<b>CTS-B</b>	<b>Emission Reductions from Petroleum Cold Cleaning (Rule 1122)</b> <i>Anupom Ganguli - (909)396-3185</i>
<b>MON-01</b>	<b>Emissions Reduction Credit for Low-Emission Retrofit Fleet Vehicles (VOC, NOx, CO)</b> <i>Henry Hogo - (909)396-3184</i>
<b>MON-02</b>	<b>Eliminate Excessive Car Dealer Cold Starts</b> <i>Henry Hogo - (909)396-3184</i>
<b>MON-04</b>	<b>Eliminate Excessive Curb Idling</b> <i>Henry Hogo - (909)396-3184</i>
<b>PRC-02</b>	<b>Further Emission Reductions from Bakeries (VOC)</b> <i>Dave Schwien - (909)396-2577</i>
<b>PRC-04</b>	<b>Emission Reductions from Rubber Products Manufacturing (VOC, PM10)</b> <i>Dave Schwien - (909)396-2577</i>
<b>PRC-05</b>	<b>Emission Reductions from Malt Beverage Production Facilities and Wine- or Brandy-Making Facilities</b> <i>Dave Schwien - (909)396-2577</i>

\* Potential significant hearing item.

FEBRUARY 1997

**CMB-A Control of Emissions from Miscellaneous Combustion Sources**

*Dave Schwien - (909)396-2577*

**WST-01 Emission Reductions from Livestock Waste (VOC, PM10, ammonia).**

*Mel Zeldin - (909)396-3058 CEQA: Darren Stroud (2526) Socio: Sue Lieu (3059)*

MARCH 1997

**444 Open Fires**

Proposed amendments will delete obsolete language, clarify definitions, categorize burn activities, and delineate the minimum requirements of agricultural burns.

*Ed Pupka - (909)396-3332*

TO-BE-DETERMINED 1997

**217 Provisions for Sampling & Testing Facilities**

Proposed amendments will clarify the responsibility of sources to provide safe and accessible sampling and testing provisions in their facilities.

**217.1 Construction of Sampling & Testing Facilities**

Proposed rule will delineate the minimum requirements for permanent, safe, and accessible facilities for testing emissions from a stack or duct.

*John Higuchi - (909)396-2267 CEQA: Jonathan Nadler (3071) Socio: Sue Lieu (3059)*

**218 Continuous Emissions Monitoring**

Proposed amendments will delete obsolete language; clarify administrative requirements for non-RECLAIM continuous emissions monitoring systems (CEMS); and delete CEMS performance specifications.

**218.1 Continuous Emission Monitoring Performance Specifications**

Proposed rule will revise and identify specifications for non-RECLAIM CEMS to meet AQMD requirements for approval.

*John Higuchi - (909)396-2267 CEQA: Jonathan Nadler (3071)*

*Socio: Bob Kneisel (3199)*

**1122 Solvent Degreasers**

Proposed amendments will define equipment design and work-practice standards for degreasing equipment which the rule does not currently apply to. Remote reservoir cold cleaning will be removed from the rule. Advancements in degreasing technology have made this rule amendment necessary.

*Ben Shaw - (909)396-2394 CEQA: Darren Stroud (2526) Socio: Sue Lieu (3059)*

**1151 Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations**

Staff is evaluating the current requirements and will recommend amendments as necessary.

*Fred Lettice - (909)396-2576*

**1169 Hexavalent Chromium - Chrome Plating and Chromic Acid Anodizing**

Proposed amendments will incorporate the requirements of the chrome plating NESHAP.

*Ben Shaw - (909)396-2394 CEQA: Darren Stroud (2526) Socio: Shah Dabirian (3076)*

**1420.1 Emission Standards for Lead**

Proposed rule will implement the new federal lead standards under Title III.

*Ben Shaw - (909)396-2394*



**1423 Lead Abatement Rule**

This is a place holder for a rule to control lead emissions during abatement activities. This rule will be coordinated with Cal-EPA's statewide strategic plan to reduce lead poisoning.  
*Ben Shaw - (909)396-2394 CEQA: Steve Smith (3054) Socio: Sue Lieu (3059)*

**1437 Furniture Stripping Operations**

Proposed rule will control methylene chloride emissions from furniture stripping operations.  
*Ben Shaw - (909)396-2394*

**UPCOMING PUBLIC WORKSHOPS**

- July 31      **1124 - Aerospace Components** Contact: Anupom Ganguli (x-3185)  
9:00 a.m., AQMD Auditorium, Diamond Bar
- Aug. 2      **1130.1 - Screen Printing Operations** Contact: Fred Lettice (x-2576)  
9:00 a.m., AQMD Auditorium, Diamond Bar
- Nov. 19     **1168 - Adhesives** Contact: Anupom Ganguli (x-3185)  
9:00 a.m., AQMD Auditorium, Diamond Bar