

BOARD MEETING DATE: January 6, 2017

AGENDA NO. 11

REPORT: Rule and Control Measure Forecast

SYNOPSIS: This report highlights SCAQMD rulemaking activities and public workshops potentially scheduled for 2017, and provides a summary of rulemaking activities and other AQMP-related programs in 2016.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:  
Receive and file.

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Executive Officer

PMF:SN:afm:la

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Summary of 2012 AQMP Implementation: The 2012 AQMP was adopted in December 2012 with an additional control measure adopted in February 2013. The purpose of the 2012 AQMP was to demonstrate attainment of the 2006 24-hour PM<sub>2.5</sub> standard (35 µg/m<sup>3</sup>) and provide additional NO<sub>x</sub> and VOC measures to assist in meeting the 1997 8-hour (80 ppb) and 1979 1-hour (120 ppb) ozone standards as early actions to define the long-term emission reductions allowed under Clean Air Act Section 182(e)(5). The emission reduction commitments are made in the context of a control measure to be adopted into rules or federally enforceable commitments and are provided in Table 1. As noted in the table, the PM<sub>2.5</sub> commitments of 11.7 tons per day (tpd) in the 2012 AQMP were adopted in 2013 and implemented starting in 2014. The commitment for 3-5 tpd NO<sub>x</sub> reductions from RECLAIM facilities was adopted in 2015 with ongoing implementation achieving 12 tpd NO<sub>x</sub> reductions by 2023. As noted in Table 1, these reductions far exceed the commitment in the 2012 AQMP for both the control measure and for the overall NO<sub>x</sub> emission reduction commitment. Furthermore, the ongoing Surplus Off-Road Opt-In for NO<sub>x</sub> (SOON) program will achieve 7.5 tpd NO<sub>x</sub> reductions by 2023. While the full 2012 AQMP VOC emission reduction commitment has not yet been achieved, rule amendments scheduled for 2017 will help achieve the goal. Also note that the new attainment demonstrations and associated emissions reduction commitments in the 2016 AQMP will redefine the emission reduction targets for 2023.

**TABLE 1**

2012 AQMP Emission Reductions (tons per day) by Measure/Adoption Date

Control Measure #	CONTROL MEASURE TITLE	Adoption Date	COMMITMENT		ACHIEVED	
			2014	2023	2014	2023
PM2.5 EMISSIONS						
BCM-01	Further Reductions from Residential Wood Burning Devices (R445)	2013	7.1	--	7.1	--
BCM-02	Further Reductions from Open Burning (R444)	2013	4.6	--	4.6	--
BCM-03	Emission Reductions from Under-Fired Charbroilers	TBD	--	TBD	--	TBD
BCM-04	Further Ammonia Reductions from Livestock Waste	TBD	--	TBD	--	TBD
TOTAL PM2.5 REDUCTIONS			11.7	--	11.7	--
NOx EMISSIONS						
OFFRD-01	Extension of the SOON Provision for Construction/Industrial Equipment	Ongoing	--	7.5	--	7.5
CMB-01	Further Reductions from RECLAIM [Regulation XX]	2015	2	3	0	12
CMB-02	NOx Reduction from Biogas Flares	Under Evaluation	--	TBD	--	TBD
CMB-03	Reductions from Commercial Space Heating	2016	--	0.18	--	TBD
TOTAL NOx REDUCTIONS			2	10.7	0	19.5
VOC EMISSIONS						
CTS-01	Further VOC Reductions from Architectural Coatings [R1113]	2016	--	2	--	1
CTS-02	Further Emission Reductions from Miscellaneous Coatings, Adhesives, Solvents and Lubricants [R1168]	Under Evaluation	--	1	--	--
CTS-03	Further VOC Reduction from Mold Release Products [R1161]	Under Evaluation	--	0.8	--	--
FUG-01	VOC Reductions from Vacuum Trucks [R1188]	Under Evaluation	--	TBD	--	--
FUG-02	Emission Reduction from LPG Transfer and Dispensing [R1177]	Under Evaluation	--	1	--	--
FUG-03	Further Reductions from Fugitive VOC Emissions	2016	--	1	--	--
MCS-01	Application of All Feasible Measures Assessment [R1114]	Ongoing	TBD	TBD	0.4	1.4
TOTAL VOC REDUCTIONS			0	5.8	0.4	2.4

**TABLE 1** (*concluded*)

2012 AQMP Emission Reductions (tons per day) by Measure/Adoption Date

MULTI-POLLUTANT						
<b>IND-01</b>	Backstop Measure for Indirect Sources of Emissions from Ports and Port-Related Facilities [PR4001]	Under Evaluation	N/A <sup>1</sup>	N/A	N/A	N/A
<b>MCS-02</b>	Further Emission Reductions from Greenwaste Processing (Chipping and Grinding Operations Not Associated with Composting)	Under Evaluation	--	TBD	--	TBD
<b>MCS-03</b>	Improved Start-Up, Shutdown and Turnaround Procedures [R1123]	2014	--	TBD <sup>2</sup>	--	TBD
<b>INC-01</b>	Economic Incentive Programs to Adopt Zero and Near-Zero Technologies	Ongoing	--	--	--	--
<b>INC-02</b>	Expedited Permitting and CEQA Preparation Facilitating the Manufacturing of Zero and Near-Zero Technologies [All Pollutants]	Ongoing	--	--	--	--
<b>EDU-01</b>	Further Criteria Pollutant Reductions from Education, Outreach and Incentives [All Pollutants]	Ongoing	--	--	--	--

## 2016 Activities

There were nine amendments to rules or guidelines approved by the SCAQMD Board in 2016. One of these rules will result in further NO<sub>x</sub> emission reductions although they cannot be quantified at this time, one rule reduced VOC emissions, one rule amendment provided limited relief from requirements as per Board direction, and six amendments focused on necessary administrative tasks such as fee updates and complying with U.S. EPA requirements. Planning and Rules staff resources focused heavily on the development of the comprehensive 2016 AQMP that seeks to demonstrate attainment of five standards with a stationary and mobile source control strategy to be implemented at local, state and national levels. The Plan also proposes nine toxic risk reduction measures and discusses co-benefits from climate change and energy programs. Table 2 provides information on 2016 rule adoption activity relative to 2012 AQMP commitments.

<sup>1</sup> Measure is designed to ensure reductions projected to occur are achieved.

<sup>2</sup> Reductions to be determined once the technical assessment is complete, and inventory and control approach are identified.

Specifically, the rulemaking to implement, in part, Control Measure CM#2012 CTS- 01 – Further VOC Reductions from Architectural Coatings by amending Rule 1113 (Architectural Coatings) was completed in February 2016. The commitment in the 2012 AQMP was 2-4 tpd in VOC reductions. The amendments included limiting the small container exemption (SCE) for certain categories, proposing new categories with VOC limits, eliminating categories that are regulated under a different rule, and reducing the VOC limit of some architectural coating categories to reflect currently available products. The amendments will generate 0.9 tpd VOC reductions by 2019. Note that the architectural coatings industry achieved VOC reductions above and beyond the regulatory requirements. These market driven VOC reductions resulted in the 2014 emissions inventory being 4.2 tpd lower than what was projected in the 2012 AQMP and will be reflected in future emissions inventories (i.e. in the 2016 AQMP).

Amendments in October 2016 of the Regional Clean Air Incentives Market (RECLAIM) Program continued to seek further NO<sub>x</sub> emission reductions pursuant to Control Measure CM#2012 CMB-01 – Further NO<sub>x</sub> Reductions from RECLAIM by addressing the treatment of RECLAIM trading credits (RTCs) upon NO<sub>x</sub> RECLAIM facility shutdowns. The objective was to prevent NO<sub>x</sub> RTCs associated with a shutdown among the largest RECLAIM facilities from entering the market and potentially delaying the installation of pollution controls at other RECLAIM facilities. Specifically, the proposed amendments established the criteria for determining a facility shutdown and the methodology to calculate the amount of NO<sub>x</sub> RTCs by which that facility's future holdings will be reduced.

Other ongoing rulemaking efforts committed to in the 2012 AQMP seek further volatile organic compounds (VOC) reductions from VOC emission sources such as adhesive and sealant applications, and staff is currently working on PAR 1168 with plans to propose amendments to the Board in 2017. Further ongoing evaluations of other VOC sources such as mold release products (Rule 1161) and vacuum trucks (Rule 1188) were not adopted or implemented yet as staff continues to evaluate usage and emissions estimates.

On January 13, 2016, U.S. EPA took final action to reclassify the South Coast Air Basin (SCAB) from a Moderate to a Serious PM<sub>2.5</sub> nonattainment area for the 2006 24-hour PM<sub>2.5</sub> standard based on the determination that the area cannot practicably attain the standard by the applicable attainment date for a Moderate area. As a consequence of this reclassification, revisions to nonattainment new source review to establish appropriate “major stationary source” thresholds for PM<sub>2.5</sub> and PM<sub>2.5</sub> precursors were required within 18 months from the reclassification effective date of February 12, 2016. Thus, in November 2016, Rule 1302 was amended to revise the definition of the term Major Polluting Facility to lower the SO<sub>x</sub> (*PM<sub>2.5</sub> precursor*) potential to emit thresholds for facilities located in the SCAB and Riverside County portion of the Salton Sea Air Basin

from 100 tons per year (tons/year) to 70 tons/year. In addition, Rule 1325 was amended to revise the definition of the term Major Polluting Facility by clarifying that the Major Source threshold of 100 tons/year for PM<sub>2.5</sub> and PM<sub>2.5</sub> precursors and add a new Major Source threshold of 70 tons/year for PM<sub>2.5</sub> and PM<sub>2.5</sub> precursors. Finally, Rule 1325 was amended to expand the definition of the term Precursors to include VOC and ammonia and revise the definition of the term Significant to establish new thresholds for VOC and ammonia at 40 tons/year each.

As noted earlier, the 2016 AQMP has been in development and under public review since June 2016. The new Plan has an updated control strategy that supports the attainment demonstration of three ambient air quality standards and updates the status of two ambient air quality standards. Once approved, the updated control strategy is considered the new path forward and SCAQMD staff will work to implement the measures to achieve the new committed emission reductions. As such, some of the ongoing commitments from the 2012 AQMP not yet achieved could be replaced with new control measures, rulemaking and program development. The 2012 AQMP included specific commitments to adopt and implement proposed control measures over the years leading to the attainment demonstration year. Table 2 provides the control measures proposed to be adopted in 2016 and the emission commitment when adopted. In addition, the status of that activity is provided.

**TABLE 2**  
2016 Activity as Part of the 2012 AQMP

<b>Control Measure #</b>	<b>CONTROL MEASURE TITLE</b>	<b>Adoption Date</b>	<b>ADOPTION COMMITMENT</b>	<b>ADOPTED/ ACHIEVED</b>
			<b>2016</b>	<b>2023</b>
<b>NO<sub>x</sub> EMISSIONS</b>				
CMB-01	Further NO <sub>x</sub> Reductions from RECLAIM	2016	n/a	n/a <sup>a</sup>
CMB-03	Reductions from Commercial Space Heating	Under Evaluation	0.18	TBD <sup>b</sup>
<b>TOTAL NO<sub>x</sub> REDUCTIONS (tpd)</b>			<b>0.2</b>	<b>TBD</b>
<b>VOC EMISSIONS</b>				
CTS-01	Further VOC Reductions from Architectural Coatings (R1113)	2016	2	1
CTS-02	Further Emission Reductions from Miscellaneous Coatings, Adhesives, Solvents and Lubricants [1168]	Under Evaluation	1	TBD <sup>c</sup>
FUG-03	Further Reductions from Fugitive VOC Emissions	Under Evaluation	1	TBD <sup>d</sup>
<b>TOTAL VOC REDUCTIONS (tpd)</b>			<b>4.0</b>	<b>1.0</b>

- a. Not available because RECLAIM shutdown provisions are not quantifiable at this time.
- b. Included in Control Measure CMB-02 in the 2016 AQMP
- c. Included in Control Measure CTS-01 in the 2016 AQMP
- d. Included in Control Measure FUG-01 in the 2016 AQMP

In addition to the rulemaking activities to implement 2012 AQMP measures, extensive research and development, demonstration, and deployment of clean air technologies were also implemented in 2016 to further assist in meeting the Clean Air Act Section 182(e)(5) reduction targets. Specifically, over \$21.5 million was invested in 2016 for research and development of zero and near-zero emission technologies that are needed for meeting the ozone standards; and Table 3 shows a summary of incentive programs approved by the Board in 2016 that enabled the implementation of clean technologies for early emission reductions.

Table 3 lists the number of affected equipment and emission reductions in tons per year (tpy). There was no additional funding approved for the Lower-Emission School Bus Program, but new alternative fuel school buses were deployed as a result of the \$25 million award approved by the Board in October 2015.

**TABLE 3**

Summary of SCAQMD's Board-Approved 2016 Incentive Programs<sup>1</sup>

<b>Program</b>	<b>Funding Amount</b>	<b>No. of Equipment</b>	<b>NOx (tpy)</b>	<b>PM2.5 (tpy)</b>
Carl Moyer & SOON	\$31,985,690	269	336.1	12.1
Proposition 1B	\$103,489,696	1,082	503.2	5.0
Voucher Incentive (VIP)	\$715,000	21	16.9	0.02
<b>TOTAL</b>	<b>\$136,190,386<sup>2</sup></b>	<b>1,372</b>	<b>856.2</b>	<b>17.12</b>

1. The programs were approved by the Board during CY 2016 and are currently in process of implementation. Some of the zero and near-zero technologies that were approved will be implemented as soon as they become commercially available.
2. In addition to the above programs, the Board approved \$9 million as partial funding for eleven Tier 4 locomotives for Metrolink from AB 923 funds.

The Rule and Control Measure Forecast Report provides the Board and interested parties with a monthly update of SCAQMD's rulemaking and control measure implementation schedule.

219	Equipment Not Requiring a Written Permit Pursuant to Regulation II
222	Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II
Proposed amended Rules 219 and 222 are being moved from March to May to allow additional time to work with and receive data from stakeholders.	

## 2017 MASTER CALENDAR

*\*An asterisk indicates that the rulemaking is a potentially significant hearing.*

*+This proposed rule will reduce criteria air contaminants and assist toward attainment of ambient air quality standards.*

### 2017

March	Title and Description	Type of Rulemaking
1430*	<b>Control of Emissions from Grinding Operations at Metal Forging Facilities</b> Proposed Rule 1430 will establish emission reduction requirements for metal grinding operations at forging facilities and possibly other requirements to address metal particulate emissions. <i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Toxics
April		
1420	<b>Emission Standard for Lead</b> In October 2008, U.S. EPA lowered the National Ambient Air Quality Standard (NAAQS) for lead from 1.5 to 0.15 µg/m <sup>3</sup> . Proposed Rule 1420 will establish requirements for lead-emitting sources that are not covered under Rules 1420.1 and Rule 1420.2 to ensure compliance with the lead NAAQS. <i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Toxics
1466	<b>Toxic Air Contaminant Emissions from Decontamination of Soil</b> Proposed Rule 1466 will establish requirements to control toxic particulate emissions from activities involving storing, handling and transporting soils during soil decontamination activities. <i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Toxics
May		
219	<b>Equipment Not Requiring a Written Permit Pursuant to Regulation II</b>	Other
222	<b>Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II</b> Proposed amended Rule 219 will exclude equipment with de minimis emissions from the requirement to obtain written permits. Proposed Amended Rule 222 will be proposed in tandem to add additional equipment categories to the streamlined filing registration program. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other



## 2017 MASTER CALENDAR (Continued)

### 2017 (Continued)

May (Continued)	Title and Description	Type of Rulemaking
1147*          1153.1	<p><b>NOx Reductions from Miscellaneous Sources</b>  Proposed Amended Rule 1147 will modify emission limits for certain source categories based on findings and recommendations from the Rule 1147 Technology Assessment.</p> <p><b>Emissions of Oxides of Nitrogen from Commercial Food Ovens</b>  Rule 1153.1 was adopted in November 2014 and established NOx emission limits for various types of existing commercial food ovens on a specified compliance schedule. Amendments may be necessary to address applicability and technological feasibility of low-NOx burner technologies for new commercial food ovens.</p> <p><i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other          Other
1148.3	<p><b>Requirements for Underground Gas Storage</b>  Proposed Rule 1148.3 will establish requirements to address public nuisance and VOC emissions from underground natural gas storage facilities.</p> <p><i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1150.1	<p><b>Control of Gaseous Emissions from Municipal Solid Waste Landfills</b>  Proposed amendments will address U.S. EPA revisions to the Standards of Performance for Municipal Solid Waste Landfills (NSPS) and Existing Guidelines and Compliance Timelines (EG) for Municipal Solid Waste Landfills, as well as CARB GHG requirements.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
Reg III	<p><b>Fees</b>  Regulation III will incorporate the CPI adjustment to keep pace with inflation, pursuant to Rule 320, and proposed amendments may also make any other needed adjustments.</p> <p><i>Carol Gomez 909.396.3264 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other

## 2017 MASTER CALENDAR (Continued)

### 2017 (Continued)

June	Title and Description	Type of Rulemaking
1118 <sup>+</sup>	<b>Control of Emissions from Refinery Flares</b> The proposed amendments would address emissions from flaring during external events like power failures on the local grid and from flaring events caused by refinery activities. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
1445	<b>Control of Toxic Emissions from Laser Arc Cutting</b> Proposed Rule 1445 will establish requirements to reduce toxic metal particulate emissions from laser arc cutting. <i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Toxics
July		
1426 <sup>*</sup>	<b>Emissions from Metal Finishing Operations</b> Proposed amendments to Rule 1426 will establish requirements to reduce nickel, cadmium and other air toxics from plating operations.	Toxics
1469 <sup>*</sup>	<b>Hexavalent Chromium Emissions from Chromium Electroplating and Chromic Acid Anodizing Operations</b> Proposed Amended Rule 1469 will strengthen requirements to address potential fugitive emissions from hexavalent chrome plating and anodizing operations. <i>Susan Nakamura 909.396.3104 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Toxics
2202	<b>On-Road Motor Vehicle Mitigation Options</b> Rule 2202 will be amended to enhance emission reductions obtained from the Employee Commute Reduction Program (ECRP) rule option. <i>Carol Gomez 909.396.3264 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
September		
1168	<b>Adhesive and Sealant Applications (CTS-02)</b> Amendments to Rule 1168 will partially implement CTS-02 and reflect improvements in adhesive and sealant technology, as well as remove outdated provisions and include minor clarifications. <i>Philip Fine 909.396.2239 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	AQMP

## 2017 MASTER CALENDAR (Continued)

### 2017 (Continued)

September (continued)	Title and Description	Type of Rulemaking
1401	<b>New Source Review of Toxic Air Contaminants</b> Amendments will update requirements for gas stations and paint booths, and will consider additional administrative changes. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Toxics
<b>October</b>		
415*	<b>Odors from Animal Rendering Facilities</b> Proposed Rule 415 will establish requirements to reduce odors created during animal rendering operations. The proposed rule will establish Best Management Practices, and will consider enclosure, odor control requirements for the receipt and processing of rendering material and wastewater, and possibly requirements for an Odor Mitigation Plan. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
Reg. IX Reg. X	<b>Standards of Performance for New Stationary Sources</b> <b>National Emission Standards for Hazardous Air Pollutants</b> Amendments to Regulations IX and X are periodically made to incorporate by reference new or amended federal performance standards that have been enacted by U.S. EPA for stationary sources. Regulations IX and X provide stationary sources with a single point of reference for determining which federal and local requirements apply to their specific operations. <i>Carol Gomez 909.396.3264 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
1407* 1407.1	<b>Control of Emissions of Arsenic, Cadmium and Nickel from Non-Ferrous Metal Operations</b> Proposed Rule 1407 will establish additional requirements to minimize air toxics from metal operations. Staff is analyzing sources subject to Rule 1407 and may develop a separate Rule 1407.1 for the largest sources subject to Rule 1407. <i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Toxics

## 2017 MASTER CALENDAR (Continued)

### 2017 (Continued)

November	Title and Description	Type of Rulemaking
1118.1	<p><b>Control of Emissions from Non-Refinery Flares</b>  Proposed Rule 1118.1 will seek to reduce emissions from flaring at non-refinery facilities, including alternate uses of gases. The rule would require the installation of newer flares implementing the Best Available Control Technology at sources such as landfills, wastewater treatment plants, and oil and gas production facilities. Alternate uses of flare gas would be encouraged, especially for facilities that, for example, would clean it for use as a transportation fuel, process it to become pipeline-quality dry natural gas, or direct it to equipment that can convert its energy into power and/or heat.</p> <p><i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1180	<p><b>Refinery Fenceline and Community Monitoring</b>  Proposed Rule 1180 will establish the requirements for fenceline and community monitoring at petroleum refineries.</p> <p><i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1435	<p><b>Control of Emissions from Metal Heat Treating Processes</b>  Proposed Rule 1435 would establish requirements to reduce metal particulate emissions from heat treating processes.</p> <p><i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Toxics
<b>December</b>		
1410*	<p><b>Hydrogen Fluoride Use at Refineries</b>  Proposed Rule 1410 will establish requirements for use of hydrogen fluoride at refineries.</p> <p><i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Toxics

## 2017 MASTER CALENDAR (Continued)

### 2017 To-Be-Determined

To-Be-Determined	Title and Description	Type of Rulemaking
102	<b>Definition of Terms</b> Staff may amend Rule 102 to add or revise definitions to support amendments to other Regulation XI rules. <i>Susan Nakamura 909.396.3105 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
223	<b>Emission Reduction Permits for Large Confined Animal Facilities</b> Proposed Amended Rule 223 will seek additional emission reductions from large confined animal facilities by lowering the applicability threshold. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	AQMP
224	<b>Incentives for Super-Compliant Technologies</b> Proposed Amended Rule 224 will outline strategies and requirements to incentivize the development, establishment and use of super-compliant technologies. It may be considered as a part of Rule 219 amendments or proposed as a separate incentive. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
416	<b>Odors from Kitchen Grease Processing</b> Proposed Rule 416 will reduce odors created during kitchen grease processing operations. The proposed rule will establish best management practices, and examine enclosure requirements for wastewater treatment operations and filter cake storage. The proposed rule may also contain requirements for an Odor Mitigation Plan <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
430	<b>Breakdown Provisions</b> This rule will be amended or replaced to address specific issues raised by U.S. EPA regarding start-ups or shutdowns associated with breakdowns. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	AQMP

## 2017 MASTER CALENDAR (Continued)

### 2017 To Be Determined (*Continued*)

To-Be-Determined	Title and Description	Type of Rulemaking
1106 1106.1	<p><b>Marine Coating Operations</b></p> <p><b>Pleasure Craft Coating Operations</b></p> <p>(This item was previously submitted to the Board, but rejected. It will be brought back for Board direction.)</p> <p>The proposed amendment is two-fold: first, Rule 1106.1 is proposed to be rescinded and second, Rule 1106 would subsume the requirements of 1106.1, and revise VOC content limits for pretreatment wash primers, antenna, repair and maintenance thermoplastic, inorganic zinc, and specialty marking coatings in order to align limits with U.S. EPA Control Techniques Guidelines and other California air districts, and add new categories for marine aluminum antifoulant, mist, nonskid and organic zinc coatings and marine deck primer sealant. The proposed amendment would also add provisions for pollution prevention measures, enhanced enforceability, and to promote clarity and consistency.</p> <p><i>Philip Fine 909.396.2239 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1107 <sup>+</sup>	<p><b>Coating of Metal Parts and Products (CTS-02)</b></p> <p>Potential amendments to Rule 1107 would further reduce VOC emissions and improve rule clarity and enforceability.</p> <p><i>Philip Fine 909.396.2239 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	AQMP
1113	<p><b>Architectural Coatings</b></p> <p>Depending on the final recommendatins of the tBAC white paper and the actions of the Scientific Review Panel for the Office of Environmental Health Hazard Assessment (OEHHA), reassessment of the limited tBAC exemption in the Rule will occur.</p> <p><i>Philip Fine 909.396.2239 CEQA: Michael Krause Socio: Jillian Wong 909.396.3176</i></p>	Other
1111  1111.1	<p><b>Reduction of NOx Emissions from Natural Gas Fired, Fan-Type Central Furnaces</b></p> <p>Rule 1111 may be amended to address compliance challenges.</p> <p><b>Reduction of NOx Emissions from Natural Gas Fired Commercial Furnaces (CMB-01)</b></p> <p>Proposed Rule 1111.1 will establish equipment-specific nitrogen oxides emission limits and other requirements for the operation of commercial space heaters.</p> <p><i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	AQMP

## 2017 MASTER CALENDAR (Continued)

### 2017 To Be Determined (*Continued*)

To-Be-Determined	Title and Description	Type of Rulemaking
1123 <sup>+</sup>	<p><b>Refinery Process Turnarounds (MCS-03)</b>  Proposed amendments will implement Control Measure MSC-03 of the 2007 AQMP by establishing procedures that better quantify emission impacts from start-up, shutdown or turnaround activities.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	AQMP
1135	<p><b>Emissions of Oxides of Nitrogen from Electric Power Generating Systems</b>  At the December 4, 2015 Board meeting, Rule 2001- Applicability was amended, allowing for an off-ramp from the NO<sub>x</sub> RECLAIM program for electricity generating facilities (EGF) operating at Best Available Control Technology (BACT) or Best Available Retrofit Control Technology (BARCT) NO<sub>x</sub> emission levels. Any EGF that opts out of the NO<sub>x</sub> RECLAIM program will need to comply with the proposed amendments to Rule 1135 – Emissions of Oxides of Nitrogen from Electric Power Generating Systems. The primary purpose of these proposed amendments is for the EGF facility to maintain compliance with the NO<sub>x</sub> RECLAIM emission limits. The EGF owner or operator would need to comply with the newly developed Rule 1135 source-specific requirements no later than three years after approval of their Rule 2001 opt-out plan.</p> <p><i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1136 <sup>*,+</sup>  1450 <sup>*</sup>	<p><b>Wood Products Coatings (CTS-02)</b>  Amendments may be proposed to existing rule limits and other provisions.</p> <p><b>Control of Methylene Chloride Emissions</b>  The proposed rule is to reduce exposure to methylene chloride from furniture stripping, remove potential regulatory loopholes, achieve emission reductions where possible and cost effective, include reporting requirements, and clarify the rule language to improve consistency with other SCAQMD VOC rules.</p> <p><i>Philip Fine 909.396.2239 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	AQMP  Toxics

## 2017 MASTER CALENDAR (Continued)

### 2017 To Be Determined (Continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1142	<b>Marine Tank Vessel Operations</b> Revisions to Rule 1142 are proposed to address VOC emissions from marine tank vessel operations and provide clarifications. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
1146, 1146.1, 1146.2 <sup>*,+</sup>	<b>Emissions of Oxides of Nitrogen</b> Amendments to Rules 1146, 1146.1, and 1146.2 may be necessary to respond to advancements in ultra-low NO <sub>x</sub> burner technology and selective catalytic reduction (SCR) applicability. <i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
1148.1 1148.2	<b>Oil and Gas Production Wells</b> <b>Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers</b> Amendments to Rule 1148.2 may be needed to address community notification procedures, the inclusion of water injection wells, and potentially other measures based on an evaluation of information collected since the last rule adoption. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
1151	<b>Moto Vehicle and Mobile Equipment Non-Assembly Line Coating Operations</b> Depending on the final recommendations of the tBAC white paper and the actions of the Scientific Review Panel for the Office of Environmental Health Hazard Assessment (OEHHHA), reassessment of the limited tBAC exemption in the Rule will occur. <i>Philip Fine 909.396.2239 CEQA: Michael Krause Socio: Jillian Wong 909.396.3176</i>	
1173 <sup>+</sup>	<b>Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants</b> Proposed revisions to Rule 1173 are being considered based on recent U.S. EPA Regulations and CARB's oil and gas regulations. <i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	Other
1177 <sup>+</sup>	<b>Liquefied Petroleum Gas Transfer and Dispensing (2012 AQMP FUG-02)</b> Potential amendments may be proposed to include additional sources of emissions from the dispensing and transfer of LPG. <i>Philip Fine 909.396.2239 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i>	AQMP



**2017 MASTER CALENDAR (Continued)**

### 2017 To Be Determined (Continued)

To-Be-Determined	Title and Description	Type of Rulemaking
1188 <sup>+</sup>	<p><b>VOC Reductions from Vacuum Trucks (FUG-01)</b></p> <p>The proposed rule will establish VOC emission standards and other requirements associated with the operation of vacuum trucks not covered by Rule 1149 – Storage Tank and Pipeline Cleaning and Degassing.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	AQMP
1190, 1191, 1192, 1193, 1194, 1195, 1196, and 1186.1	<p><b>Fleet Vehicle Requirements</b></p> <p>Amendments to Rule 1190 series fleet rules may be necessary to address implementation. In addition, the current fleet rules may be expanded to achieve additional air quality and air toxic benefits.</p> <p><i>Dean Saito 909.396.2647 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1304.2	<p><b>California Public Utilities Commission Regulated Electrical Local Publicly Owned Electrical Utility Fee for Use of SO<sub>x</sub>, PM<sub>10</sub> and NO<sub>x</sub> Offsets</b></p>	Other
1304.3	<p><b>Local Publicly Owned Electrical Generating Facility Fee for Use of SO<sub>x</sub>, PM<sub>10</sub> and NO<sub>x</sub> Offsets</b></p> <p>Proposed Rules 1304.2 and 1304.3 would allow new greenfield facilities and additions to existing electrical generating facilities conditioned access to SCAQMD internal offset accounts for a fee, for subsequent funding of qualifying improvement projects consistent with the AQMP.</p> <p>Proposed Rule 1304.2 will provide offsets so that new, proposed and other existing electrical generating facilities can compete on a level playing field with existing generating facilities with utility steam boilers, and implement the State’s plan to maintain grid reliability.</p> <p>Proposed Rule 1304.3 will provide offsets so that new, proposed and other existing electrical generating facilities run by local municipalities can meet the electricity reliability needs of their customers.</p> <p><i>Tracy Goss 909.396.3106 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other

## 2017 MASTER CALENDAR (Continued)

### 2017 To Be Determined (*Continued*)

To-Be-Determined	Title and Description	Type of Rulemaking
1470*	<p><b>Requirement for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines at Sensitive Receptors</b>  The proposal would address new and existing small (<math>\leq 50</math> brake horsepower) diesel engine emissions located near sensitive receptors such as schools, preschools, daycare centers and health care facilities. Staff is also considering amendments to minimize use of stationary diesel back-up engines that may include use alternative power sources that are substantially less polluting.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Toxics
Reg. XVI	<p><b>Mobile Source Offset Programs</b>  Amendments to various Regulation XVI rules will be proposed to address the recent U.S. EPA proposed disapproval of such rules including Rule 1610.</p> <p><i>Henry Hogo 909.396.3184 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
Reg. XVII	<p><b>Prevention of Significant Deterioration</b>  Proposed Regulation XVII will align the AQMD's Prevention of Significant Deterioration program with federal requirements.</p> <p><i>Carol Gomez 909.396.3264 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1902	<p><b>Transportation Conformity</b>  Amendments to Rule 1902 may be necessary to bring the District's Transportation Conformity rule in line with current U.S. EPA requirements.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other
1905	<p><b>Pollution Controls for Automotive Tunnel Vents</b>  This proposed rule would address emissions from proposed roadway tunnel projects that could have air quality impacts.</p> <p><i>Ian MacMillan 909.396.3244 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other

## 2017 MASTER CALENDAR (Continued)

### 2017 To Be Determined (*Continued*)

To-Be-Determined	Title and Description	Type of Rulemaking
Reg. XXIII	<p><b>Emissions Growth Management of Various Emissions Sources</b>  Regulation XXIII will contain rules related to emissions growth management of various emission sources including, but not limited to, new or redevelopment projects and other sources where criteria pollutant emissions associated with the region's growth may cause or exacerbate exceedance of an air quality standard. Proposed rule(s) will implement the 2007 AQMP Control Measure EGM-01 – Emission Reductions from New or Redevelopment Projects and potential implementation of EGM-01 proposed in the Draft 2016 AQMP if approved by the Board. Regulation XXIII may include other sources as provided in the Final 2016 AQMP to be submitted to U.S. EPA.</p> <p><i>Henry Hogo 909.396.3184 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	AQMP
Reg. XXV	<p><b>On-Road and Off-Road Mobile Source Credit Generation Programs</b>  Regulation XXV will contain rules to allow generation of criteria pollutant mobile source emission reduction credits (MSERC) from various on-road and off-road sources, such as on-road heavy-duty trucks, off-road equipment, locomotives, and marine vessels. Credits will be generated by retrofitting existing engines or replacing the engines with new lower- emitting or zero-emission engines. The Draft 2016 AQMP proposed limiting use of MSERCs to facilities where the mobile source emissions occur.</p> <p><i>Henry Hogo 909.396.3184 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	AQMP
Reg. XXVII	<p><b>Climate Change</b>  Changes may be needed to Regulation XXVII to add or update protocols for GHG reductions, and other changes.</p> <p><i>Philip Fine 909.396.2239 CEQA: Michael Krause 909.396.2706 Socio: Jillian Wong 909.396.3176</i></p>	Other

## 2017 MASTER CALENDAR (Continued)

### 2017 To Be Determined (*Continued*)

To-Be-Determined	Title and Description	Type of Rulemaking
Reg. II, III, IV, IX, X, XI, XIII, XIV, XX, XXXIII, XXX and XXXV Rules	<p>Various rule amendments may be needed to meet the requirements of state and federal laws, implement OEHHA revised risk assessment guidance, address variance issues/ technology-forcing limits, to abate a substantial endangerment to public health or welfare, or to seek additional reductions to meet the SIP short-term measure commitment. The associated rule development or amendments include, but are not limited to, SCAQMD existing rules, new or amended rules to implement the 2012 or 2016 AQMP measures. This includes measures in the 2010 CCP or 2016 AQMP to reduce toxic air contaminants or reduce exposure to air toxics from stationary, mobile, and area sources. Rule amendments may include updates to provide consistency with CARB Statewide Air Toxic Control Measures or EPA's National Emission Standards for Hazardous Air Pollutants.</p>	Other