

BOARD MEETING DATE: January 9 2015

AGENDA NO. 13

REPORT: Rule and Control Measure Forecast

SYNOPSIS: This report highlights SCAQMD rulemaking activities and public workshops potentially scheduled for the year 2015, and provides a summary of rulemaking activities and other AQMP-related programs in 2014.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:  
Receive and file.

Barry R. Wallerstein, D.Env.  
Executive Officer

EC:PF:cg

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The following Rule and Control Measure Forecast Report provides the Board with a monthly update of SCAQMD's rulemaking and control measure implementation schedule, and constitutes a revision to the 2015 rule calendar.

1148.2	Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers
Rule 1148.2 is added to June as amendments may be needed to extend the implementation of requirements to submit emissions reports and other necessary changes to be consistent with SB 4.	
1420.1	Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead-Acid Battery Recycling Facilities
Rule 1420.1 is moved from February to March. Staff is proposing a 60-day set hearing to seek Board direction and to complete the appropriate CEQA analysis.	

Reg. XX	Regional Clean Air Incentives Market (RECLAIM) (CMB-01)
Regulation XX is moved from March to May to allow additional time to work with stakeholders to review consultants' reports and to address other key rule development issues.	
---	Mobile Source Measures
Mobile Source Measures are added to TBD. The District may adopt measures to limit emissions from mobile sources, both on-road and off-road (nonroad) sources, consistent with the Board's direction to counsel at the October 2014 meeting to explore the District's regulatory authority over mobile sources. These measures may include but are not limited to, transportation control measures, operational limits, fleet rules, credit generation rules, and indirect source rules, such as an indirect source rule for railyards and/or other sources which attract mobile sources.	
---	SIP Implementation
SIP Implementation is added to TBD. The District may adopt additional measures to carry out the State Implementation Plan for PM2.5 or ozone, or other pollutants if required, as deemed necessary to meet commitments and federal requirements.	

The following provides a summary of rulemaking activities and other AQMP-related programs in 2014.

Summary of 2012 AQMP Implementation: In 2014, more rulemaking efforts were initiated to implement the 2012 AQMP. Specifically, rulemaking to implement control measure CMB-01 (Further Reductions from RECLAIM) was committed to achieve two tons per day of nitrogen oxides (NO<sub>x</sub>) emissions in the 2012 AQMP. The ongoing rulemaking process to amend Regulation XX - RECLAIM involves an evaluation of the Best Available Retrofit Control Technology (BARCT) as well as the RECLAIM trading credit (RTC) “shaving” methodology. As a result of the preliminary analysis, it was determined the programmatic RTC shave could range from five to 14 tons per day (tpd) of NO<sub>x</sub> emissions, thus expecting to meet or exceed the SIP commitment.

Other ongoing rulemaking efforts committed in the 2012 AQMP seek further volatile organic compound (VOC) reductions from sources such as adhesive and sealant applications (Rule 1168), mold release products (Rule 1161) and vacuum trucks (Rule 1188). However, these rules, and other VOC rules, were not adopted or implemented yet as staff works on policy challenges resulting from potential adverse toxic impacts from proposed VOC rule adoption and amendments. In lowering limits on the VOC content of coatings, solvents, adhesives, sealants, lubricants, inks and other VOC containing products, manufacturers, in many cases, are using compounds that have been exempted from the definition of VOC. These exemptions are based primarily on evidence that the compound does not significantly contribute to ozone formation, but may contribute other factors such as increased toxicity risk to the worker or nearby receptor. In order to gain different perspectives and the potential toxics trade-off in allowing the use of VOC-exempt compounds, a toxics symposium was held in October 2014 where risk assessment, risk management and feasible mitigation were discussed and debated. Presentations were given by experts in the regulatory, industrial, academic, and environmental communities exploring these critical issues from diverse viewpoints. The objective was to provide SCAQMD with expert advice and potential future directions regarding the analysis and mitigation of any potential toxic risks associated with the ongoing VOC control program. In addition, a working group has been formed, under the 2016 AQMP Advisory Group, to evaluate the need in regulating VOC to assist in meeting the ozone standard. More specifically, the working group has been discussing the role of VOCs in ozone and PM<sub>2.5</sub> formation, including the atmospheric chemistry and VOC/NO<sub>x</sub> ratios.

Rule 1161 has not been adopted yet to achieve the 0.8 tpd of VOC emission reductions committed in the 2012 AQMP however, in 2013, Rule 1114 - Petroleum Refinery Coking Operations was amended to achieved 0.4 tpd of VOC emission reductions beyond the commitment in the 2012 AQMP which will partially offset (by about one-half) the 0.8 tpd that was committed to be reduced.

In addition, there were 13 rule amendments approved by the SCAQMD Board in 2014. Five of these rules were amended as a result of SIP rule implementation issues (e.g., availability of advanced technology) and two of these rules were amended to strengthen public health with more stringent toxic emission requirements. The remaining rule amendments provided administrative revisions. Table 1 provides a more detailed comparison between AQMP commitments and rule adoption status in 2014.

In addition to the rulemaking activities to implement 2012 AQMP short-term measures, extensive research and development, demonstration, and deployment of clean air technologies were also implemented in 2014 to further assist in meeting the federal Clean Air Act Section 182(e)(5) reduction targets. Specifically, over \$10 million was invested in public-private partnership in 2014 for research and development of zero and near-zero emission technologies that are needed for meeting the ozone standards; and Table 2 shows a summary of technology incentive programs implemented in 2014 that deployed clean technologies for early emission reductions. Table 2 lists the number of affected equipment and emissions in tons per year (tpy). There was no additional funding for the school bus program in 2014, but the buses were continuing to be deployed in 2014. With regard to locomotives, the funding is still occurring but is included as part of the Carl Moyer program.

**TABLE 1**

2012 AQMP Emission Reduction (tons per day) Commitments for 2014

Control Measure #	CONTROL MEASURE TITLE	Adoption Date	COMMITMENT		ACHIEVED	
			2014	2023	2014	2023
<b>NO<sub>x</sub> EMISSIONS</b>						
CMB-01	Further Reductions from RECLAIM – Phase I [Reg XX]	Rulemaking Underway	2	--		--
<b>TOTAL NOX REDUCTIONS</b>			2		0	
<b>VOC EMISSIONS</b>						
CTS-02	Further Emission Reductions from Miscellaneous Coatings, Adhesives, Solvents and Lubricants	2014	--	TBD <sup>1</sup>		--
CTS-03	Further VOC Reduction from Mold Release Products [R1161]	2014	--	0.8		--
FUG-01	VOC Reductions from Vacuum Trucks [R1188]	2014	--	TBD <sup>1</sup>		--
<b>TOTAL VOC REDUCTIONS</b>			--	0.8	0	--
<b>MULTI-POLLUTANT</b>						
IND-01	Backstop Measures for Indirect Sources of Emissions from Ports and Port-Related Facilities [PR4001]	Rulemaking Underway	N/A <sup>2</sup>	N/A <sup>2</sup>	N/A <sup>2</sup>	N/A <sup>2</sup>
MCS-01	Application of All Feasible Measure Assessment	Ongoing	--	--		
MCS-03	Improved Start-Up, Shutdown and Turnaround Procedures [R1123]	2014	--	TBD <sup>1</sup>		TBD <sup>1</sup>

<sup>1</sup> Reductions to be determined once the technical assessment is complete, and inventory and control approach are identified

<sup>2</sup> Measure is designed to ensure reductions assumed to occur will in fact occur

**TABLE 2**

Summary of SCAQMD's 2014 Technology Incentive Programs

<b>Program</b>	<b>Funding Amount</b>	<b>No. of Equipment</b>	<b>NOx (tpy)</b>	<b>PM2.5 (tpy)</b>
Carl Moyer & SOON	\$30,340,909	410	231	6.8
Voucher Incentive (VIP)	\$2,935,000	92	59.3	0.01
Prop 1B Trucks	\$93,797,250	2,320	1,734	17
<b>TOTAL</b>	<b>\$127,073,159</b>	<b>2,822</b>	<b>2024.3</b>	<b>23.81</b>

## 2015 MASTER CALENDAR

Below is a list of all rulemaking activity scheduled for the year 2015. The last four columns refer to the type of rule adoption or amendment. A more detailed description of the proposed rule adoption or amendment is located in the Attachments (A through D) under the type of rule adoption or amendment (i.e. AQMP, Toxics, Other and Climate Change).

*\*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.*

*<sup>1</sup>Subject to Board approval*

*California Environmental Quality Act shall be referred to as "CEQA."*

*Socioeconomic Analysis shall be referred to as "Socio."*

### 2015

March		AQMP	Toxics	Other	Climate Change
Reg. IX	Standards of Performance for New Stationary Sources			√	
Reg. X	National Emission Standards for Hazardous Air Pollutants			√	
1304.2	Greenfield or Existing Electrical Generating Facility Fee for Use of Offsets for Load Serving Entities			√	
1304.3	Greenfield or Existing Electrical Generating Facility Fee for Use of Offsets for Municipalities			√	
1420.1 <sup>1</sup>	Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead-Acid Battery Recycling Facilities		√		
1420.2	Emissions Standard for Lead from Medium Sources		√		
April					
415	Odors from Animal Rendering			√	
416	Odors from Kitchen Grease Processing			√	
1148.1	Oil and Gas Production Wells			√	
1401	New Source Review of Toxic Air Contaminants		√		

**2015 MASTER CALENDAR (continued)**

**2015**

<b>April</b>	<b>(continued)</b>	<b>AQMP</b>	<b>Toxics</b>	<b>Other</b>	<b>Climate Change</b>
2202	On-Road Motor Vehicle Mitigation Options			√	
4001	Backstop to Ensure AQMP Emission Reduction Targets Are Met at Commercial Marine Ports (IND-01)	√			
<b>May</b>					
219	Equipment Not Requiring a Written Permit Pursuant to Regulation II			√	
Reg. III	Fees			√	
1156	Further Reductions of Particulate Emissions from Cement Manufacturing Facilities		√		
1166	Volatile Organic Compound Emissions From Decontamination of Soil			√	
1188	VOC Reductions from Vacuum Trucks (FUG-01)	√			
Reg. XX <sup>1</sup>	Regional Clean Air Incentives Market (RECLAIM) (CMB-01)	√			
<b>June</b>					
1148.2 <sup>1</sup>	Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers		√	√	
1420	Emissions Standard for Lead		√		
2301	Control of Emissions from New or Redevelopment Projects (EGM-01)	√			
<b>July</b>					
1123	Refinery Process Turnarounds (MCS-03)	√			
1171	Solvent Cleaning Operations (CTS-02)	√			

**2015 MASTER CALENDAR (continued)**

**2015**

<b>July</b>	<b>(continued)</b>	<b>AQMP</b>	<b>Toxics</b>	<b>Other</b>	<b>Climate Change</b>
1430.1	Control of Toxic Air Contaminants from Grinding Operations at Forging Facilities		√		
<b>September</b>		<b>AQMP</b>	<b>Toxics</b>	<b>Other</b>	<b>Climate Change</b>
1106	Marine Coating Operations			√	
1106.1	Pleasure Craft Coating Operations			√	
<b>October</b>					
1110.2	Emissions from Gaseous and Liquid-Fueled Engines			√	
1161	VOC Reductions from Mold Release Agents (CTS-03)	√			
<b>November</b>					
1113	Architectural Coatings (CTS-01)	√			
1177	Liquefied Petroleum Gas Transfer and Dispensing (FUG-02)	√			
1402	Control of Toxic Air Contaminants from Existing Sources		√		
1450	Control of Methylene Chloride Emissions		√		
<b>December</b>					
1136	Wood Products Coatings (CTS-02)			√	
1430	Control of Toxic Air Contaminants from Metal Forging, Shredding, Grinding and Other Metal Processing Operations		√		

**2015 MASTER CALENDAR (continued)**

**2015 TO-BE DETERMINED**

<b>TBD</b>		<b>AQMP</b>	<b>Toxics</b>	<b>Other</b>	<b>Climate Change</b>
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 I			√	
224	Incentives for Super-Compliant Technologies			√	
1107	Coating of Metal Parts and Products (CTS-02)			√	
1118	Control of Emissions from Refinery Flares			√	√
1147	NOx Reductions from Miscellaneous Sources			√	
1148.2	Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers		√	√	
1168	Adhesive and Sealant Applications (CTS-02)	√			
1190 Series	Fleet Vehicle Requirements			√	
Reg. XIII	New Source Review			√	
1403	Asbestos Emissions from Demolition/Renovation Activities		√		
1411	Recovery of Recycling of Refrigerants from Motor Vehicle Air Conditioners		√		
1902	Transportation Conformity – Preamble			√	
2511	Credit Generation Program for Locomotive Head End Power Unit Engines			√	
2512	Credit Generation Program for Ocean-Going Vessels at Berth			√	

**2015 MASTER CALENDAR (continued)**

**2015 TO-BE DETERMINED**

<b>TBD</b>	<b>(continued)</b>	<b>AQMP</b>	<b>Toxics</b>	<b>Other</b>	<b>Climate Change</b>
Reg. XXVII	Climate Change				√
Reg. IV, IX, X, XI, XIV, XX XXX and XXXV Rules	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 listed in Table 1 of the December 5, 2014 Rule and Control Measure Forecast and new or amended rules to implement the 2012 AQMP measures in Table 2 of the December 5, 2014 Rule and Control Measure Forecast. The CCP has been updated to include new measures to address toxic emissions in the basin. The CCP includes a variety of measures that will reduce exposure to air toxics from stationary, mobile, and area sources (Table 3 of the December 5, 2014 Rule and Control Measure Forecast). Rule amendments may include updates to provide consistency with CARB Statewide Air Toxic Control Measures.	√	√	√	√
---	Mobile Source Measures <sup>1</sup>	√	√		
---	SIP Implementation <sup>1</sup>	√			

# ATTACHMENT A

## AQMP Rule Activity Schedule

This attachment lists those control measures that are being developed into rules or rule amendments for Governing Board consideration that are designed to implement the amendments to the 2012 Air Quality Management Plan.

### 2015

<b>April</b>	
4001	<p><b>Backstop to Ensure AQMP Emission Reduction Targets Are Met at Commercial Marine Ports (IND-01)</b>  <i>[Projected Emission Reduction: TBD]</i>                      If triggered, the proposed rule will address cost-effective NO<sub>x</sub>, SO<sub>x</sub>, and PM<sub>2.5</sub> emission reduction strategies from port-related sources to ensure emission reductions claimed or emission targets assumed in the 2012 AQMP for the 24-hour PM<sub>2.5</sub> standard are maintained.  <i>Randall Pasek 909.396.2251 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>May</b>	
1188	<p><b>VOC Reductions from Vacuum Trucks (FUG-01)</b>  <i>[Projected Emission Reduction: TBD]</i>                      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.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. XX <sup>1</sup>	<p><b>Regional Clean Air Incentives Market (RECLAIM) (CMB-01)</b>  <i>[Projected Emission Reduction: 3-5 TPD]</i>                      Proposed amendments to Regulation XX will seek to implement a minimum contingency measure CMB-01 of the 2012 AQMP and possibly Phase II of the control measure if the technology assessment can be completed within the allotted time for this rulemaking.  <i>Joe Cassmassi 909.396.3155 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>June</b>	
2301	<p><b>Control of Emissions from New or Redevelopment Projects (EGM-01)</b>  <i>[Projected Emission Reduction: Committed to reduce 0.5 tons per day of VOC, 0.8 tons per day of NO<sub>x</sub>, and 0.5 tons per day of PM<sub>2.5</sub> in 2023.]</i>                      The proposed rule will implement AQMP Control Measure EGM-01 – Emission Reductions from New or Redevelopment Projects. Proposed Rule 2301 will consider the co-benefits of VOC, NO<sub>x</sub>, and PM 2.5 emission reductions from the 2012 Regional Transportation Plan/Sustainable Communities Strategy and San Joaquin Valley Air Pollution Control District’s Rule 9510 to meet the “all feasible measure” requirement.  <i>Carol Gomez 909.396.3264 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

# ATTACHMENT A

## AQMP Rule Activity Schedule (continued)

**2015**

<b>July</b>	
1123	<p><b>Refinery Process Turnarounds (MCS-03)</b>  <i>[Projected Emission Reduction: N/A]</i>                      Proposed amendments, if needed, 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.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1171	<p><b>Solvent Cleaning Operations (CTS-02)</b>  <i>[Projected Emission Reduction: Some VOC]</i>                      The proposed amendments will review existing exemptions and include clarifications that may arise due to compliance verification activities or manufacturer and public input, including the sales prohibition clause.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>October</b>	
1161	<p><b>VOC Reductions from Mold Release Agents (CTS-03)</b>  <i>[Projected Emission Reduction: TBD]</i>                      The proposed rule will establish requirements for mold release products used in composite, fiberglass, metal and plastic manufacturing, and concrete stamping operations.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>November</b>	
1113	<p><b>Architectural Coatings (CTS-01)</b>  <i>[Projected Emission Reduction: N/A]</i>                      Potential amendments may include a backstop provision to address additional potential VOC emission reductions from the small container exemption, high volume categories, and increased fees in Rule 314 – Fees for Architectural Coatings. Additional clarifications will also be considered to address ongoing compliance issues.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1177	<p><b>Liquefied Petroleum Gas Transfer and Dispensing (FUG-02)</b>  <i>[Projected Emission Reduction: N/A]</i>                      Potential amendments may be proposed to include additional sources of emissions from the dispensing and transfer of LPG.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

# ATTACHMENT A

## AQMP Rule Activity Schedule (continued)

**2015**

<b>To-Be Determined</b>	
1168	<p><b>Adhesive and Sealant Applications (CTS-02)</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments to Rule 1168 will partially implement CTS-02 and reflect improvements in adhesive and sealants technology, as well as remove outdated provisions and include minor clarifications.  <i>Naveen Berry 909.396.236 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. IV, IX, X, XI, XIV, XIV, XX, 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 commitments and/or long-term emission reduction commitments. The associated rule development or amendments include, but are not limited to, SCAQMD existing rules listed in Table 1 of the December 5, 2014 Rule and Control Measure Forecast and new or amended rules to implement the 2012 AQMP measures in Table 2 of the December 5, 2014 Rule and Control Measure Forecast.</p>
---	<p><b>Mobile Source Measures</b><sup>1</sup>  <i>[Projected Emission Reduction:TBD]</i>                      The District may adopt measures to limit emissions from mobile sources, both on-road and off-road (nonroad) sources, consistent with the Board’s direction to counsel at the October 2014 meeting to explore the District’s regulatory authority over mobile sources. These measures may include but are not limited to, transportation control measures, operational limits, fleet rules, credit generation rules, and indirect source rules, such as an indirect source rule for railyards and/or other sources which attract mobile sources.  <i>Henry Hogo 909.396.3184 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
---	<p><b>SIP Implementation</b><sup>1</sup>  <i>[Projected Emission Reduction:TBD]</i>                      The District may adopt additional measures to carry out the State Implementation Plan for PM2.5 or ozone, or other pollutants if required, as deemed necessary to meet commitments and federal requirements.  <i>Philip Fine 909.396.2239 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

# ATTACHMENT B

## Toxics Rule Activity Schedule

This attachment lists those rules or rule amendments for Governing Board consideration that are designed to implement the Air Toxics Control Plan.

**2015**

<b>March</b>	
1420.1 <sup>1</sup>	<p><b>Emission Standards for Lead and Other Toxic Air Contaminants from Large Lead-Acid Battery Recycling Facilities</b>  <i>[Projected Emission Reduction: TBD]</i>                      The proposed amendment will reduce arsenic, benzene, and 1,3-butadiene emissions from large lead-acid battery recycling facilities.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1420.2	<p><b>Emissions Standard for Lead from Medium Sources</b>  <i>[Projected Emission Reduction: TBD]</i>                      In October 2008, U.S. EPA lowered the National Ambient Air Quality Standard (NAAQS) for lead from 1.5 to 0.15 ug/m<sup>3</sup>. Proposed Rule 1420.2 will establish requirements for medium lead emitting sources to ensure compliance with the lead NAAQS.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>April</b>	
1401	<p><b>New Source Review of Toxic Air Contaminants</b>  <i>[Projected Emission Reduction: TBD]</i>                      The Office of Environmental Health Hazard Assessment (OEHHA) is updating its Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. The proposed amendment will address revisions to OEHHA's updated guidance.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>May</b>	
1156	<p><b>Further Reductions of Particulate Emissions from Cement Manufacturing Facilities</b>  <i>[Projected Emission Reduction: N/A]</i>                      As part of the 2009 amendments to Rule 1156, cement manufacturing facilities were required to establish and maintain a monitoring network to ensure that the surrounding areas were not exposed to unhealthful levels of hexavalent chromium emanating from the facilities. Since establishing the monitoring networks, no exceedances of the standard established in the amended rule has occurred. Pursuant to the adoption resolution, the proposed rule amendments will address the conditions by which the existing monitoring requirements could be reduced, particularly as they pertain to partial or full facility shutdown and any change in ownership and land use.  <i>Philip Fine 909.396.2239 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

## ATTACHMENT B

### Toxics Rule Activity Schedule (continued)

2015

<b>June</b>	
1148.2 <sup>1</sup>	<p><b>Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments to Rule 1148.2 may be needed to extend the implementation of requirements to submit emissions reports and other necessary changes to be consistent with SB 4.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1420	<p><b>Emissions Standard for Lead</b>  <i>[Projected Emission Reduction: TBD]</i>                      In October 2008, U.S. EPA lowered the National Ambient Air Quality Standard (NAAQS) for lead from 1.5 to 0.15 ug/m3. Proposed Rule 1420 will establish requirements for smaller 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: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>July</b>	
1430.1	<p><b>Control of Toxic Air Contaminants from Grinding Operations at Forging Facilities</b>  <i>[Projected Emission Reduction: TBD]</i>                      Proposed Rule 1430.1 will establish emission reduction requirements to control toxic emissions from grinding operations at forging facilities.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>November</b>	
1402	<p><b>Control of Toxic Air Contaminants from Existing Sources</b>  <i>[Projected Emission Reduction: TBD]</i>                      Amendments to Rule 1402 will address new or revised toxic air contaminants that have been approved by OEHHA.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1450	<p><b>Control of Methylene Chloride Emissions</b>  <i>[Projected Emission Reduction: N/A]</i>                      Proposed Rule 1450 will establish requirements to control methylene chloride from furniture stripping operations and other sources.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>December</b>	
1430	<p><b>Control of Toxic Air Contaminants from Metal Forging, Shredding, Grinding and Other Metal Processing Operations</b>  <i>[Projected Emission Reduction: TBD]</i>                      Proposed Rule 1430 will establish emission reduction requirements to control toxic emissions from grinding operations.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

## ATTACHMENT B

### Toxics Rule Activity Schedule (continued)

#### To-Be Determined 2015

<b>To-Be Determined</b>	
1148.2	<p><b>Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers</b>  <i>[Projected Emission Reduction: N/A]</i>                      Revisions to Rule 1148.2 may be needed based on information collected through implementation of Rule 1148.2.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1403	<p><b>Asbestos Emissions from Demolition/Renovation Activities</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments to Rule 1403 will include specific requirements when conducting asbestos emitting demolition/renovation activities at schools, daycares, and possibly establishments that have sensitive populations. Amendments may include other provisions to improve the implementation of the rule.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1411	<p><b>Recovery of Recycling of Refrigerants from Motor Vehicle Air Conditioners</b>  <i>[Projected Emission Reduction: TBD]</i>                      The proposed amendments to Rule 1411 will align with existing Clean Air Act requirements to minimize the release of refrigerants during the servicing of motor vehicle air conditioning, incorporate other clarifications and enhance enforceability.  <i>Philip Fine 909.396.2239 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. IV, IX, X, XI, XIV, XIV, XX, XXX AND XXXV Rules	<p>The Clean Communities Plan has been updated to include new measures to address toxic emissions in the basin. The CCP includes a variety of measures that will reduce exposure to air toxics from stationary, mobile, and area sources (Table 3 of the December 5, 2014 Rule and Control Measure Forecast). Rule amendments may include updates to provide consistency with CARB Statewide Air Toxic Control Measures.</p>

# ATTACHMENT B

## Toxics Rule Activity Schedule (continued)

### To-Be Determined 2015

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# ATTACHMENT C

## Other Rule Activity Schedule

This attachment lists those rules or rule amendments for the Governing Board consideration that are designed to improve rule enforceability, SIP corrections, or implementing state or federal regulations.

**2015**

<b>March</b>	
Reg. IX Reg. X	<p><b>Standards of Performance for New Stationary Sources (NSPS)</b>  <b>National Emission Standards for Hazardous Air Pollutants (NESHAPS)</b>  <i>[Projected Emission Reduction: N/A]</i>                      Regulation IX - Standards of Performance for New Stationary Sources and Regulation X - National Emission Standards for Hazardous Air Pollutants, incorporate by reference the corresponding federal requirements. Amendments are being proposed to incorporate the latest federal revisions.  <i>Philip Fine 909.396.2239 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1304.2	<p><b>Greenfield or Existing Electrical Generating Facility Fee for Use of Offsets for Load Serving Entities</b>  <i>[Projected Emission Reduction: TBD]</i>                      Proposed Rule 1304.2 would provide for new, greenfield or additions at existing electrical generating facilities access to the SCAQMD’s internal offset account, subject to qualifying conditions, eligibility, and the payment of a fee to invest in air quality improvement projects consistent with the AQMP. This rule is a companion provision to recently adopted Rule 1304.1 and will provide 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.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1304.3	<p><b>Greenfield or Existing Electrical Generating Facility Fee for Use of Offsets for Municipalities</b>  <i>[Projected Emission Reduction: TBD]</i>                      Proposed Rule 1304.3 would provide for new, greenfield or additions at existing electrical generating facilities to access the SCAQMD’s internal offset account, subject to qualifying conditions, eligibility, and the payment of a fee to invest in air quality improvement projects consistent with the AQMP. This rule is a companion provision to recently adopted Rule 1304.1 and will provide that new, proposed and other existing electrical generating facilities run by local municipalities to meet the reliable electric needs of their customers.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

# ATTACHMENT C

## Other Rule Activity Schedule (continued)

**2015**

<b>April</b>	
415	<p><b>Odors from Animal Rendering</b>  <i>[Projected Emission Reduction: TBD]</i>                      Proposed Rule 415 will provide protection to the public from odors created during animal rendering operations. The proposed rule will incorporate a preventative approach to odors by establishing Best Management Practices (BMP) and will consider enclosures for operations and processes that generate odors, such as receiving, cooking, processing of oils, tallow and meat, and from wastewater treatment. The proposed rule will also examine requirements for an Odor Mitigation Plan for continuing odor issues at facilities impacted by the rule.  <i>Philip Fine 909.396.2239 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
416	<p><b>Odors from Kitchen Grease Processing</b>  <i>[Projected Emission Reduction: TBD]</i>                      Proposed Rule 416 will provide protection to the public from odors created during kitchen grease processing operations. The proposed rule will establish Best Management Practices (BMP) to address odors created during delivery and processing of trap grease to affected facilities. In addition, the proposed rule will examine enclosure for wastewater treatment operations and filter cake storage. The proposed rule will also examine requirements for an Odor Mitigation Plan for continuing odor issues at facilities impacted by the rule.  <i>Philip Fine 909.396.2239 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1148.1	<p><b>Oil and Gas Production Wells</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments may be necessary to improve rule effectiveness in reducing emissions from production wells and associated equipment and improving housekeeping activities to minimize potential nuisance.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
2202	<p><b>On-Road Motor Vehicle Mitigation Options</b>  <i>[Projected Emission Reduction: N/A]</i>                      The Employee Commute Reduction Program (ECRP) Guidelines to Rule 2202 will be amended to streamline the annual reporting process, and to add clarification to specific guideline sections as requested by the regulated community.  <i>Carol Gomez 909.396.3264 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

# ATTACHMENT C

## Other Rule Activity Schedule (continued)

**2015**

<b>May</b>	
219	<p><b>Equipment Not Requiring a Written Permit Pursuant to Regulation II</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments to Rule 219 may be proposed to exclude equipment with de minimis emissions from the requirement to obtain written permits and clarify provisions pertaining to super-compliant technologies.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. III	<p><b>Fees</b>  <i>[Projected Emission Reduction: N/A]</i>                      Regulation III is being amended with a primary goal to increase fees, at a minimum by the Consumer Price Index. Other minor amendments may also be proposed to correct typos, eliminate out-of-date references, and improve consistency and clarity.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1166	<p><b>Volatile Organic Compound Emissions from Decontamination of Soil</b>  <i>[Projected Emission Reduction: TBD]</i>                      Amendments to Rule 1166 will expand the applicability to decontamination of soils containing toxic metals. The proposed amended rule would establish additional requirements to control emissions from activities containing storing, handling, and transporting soil contaminated with toxic metals.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>June</b>	
1148.2 <sup>1</sup>	<p><b>Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments to Rule 1148.2 may be needed to extend the implementation of requirements to submit emissions reports and other necessary changes to be consistent with SB 4.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>September</b>	
1106 1106.1	<p><b>Marine Coating Operations</b>  <b>Pleasure Craft Coating Operations</b>  <i>[Projected Emission Reduction: N/A]</i>                      The proposed amendments will include any clarifications that may arise due to the compliance verification activities or manufacturer and public input, including the sales prohibition clause.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

## ATTACHMENT C

### Other Rule Activity Schedule (continued)

**2015**

<b>October</b>	
1110.2	<p><b>Emissions from Gaseous- and Liquid-Fueled Engines</b>  <i>[Projected Emission Reduction: N/A]</i>                      The proposed amendments to Rule 1110.2 would potentially extend the compliance date for biogas used to fuel power generators at landfills and municipal waste facilities. The amendment would result in a delay in emission reductions.  <i>Joe Cassmassi 909.396.3155 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
<b>December</b>	
1136	<p><b>Wood Products Coatings</b>  <i>[Projected Emission Reduction: TBD]</i>                      The proposed amendments will include any clarification that may arise due to compliance verification activities or manufacturer and public input, including the sales prohibition clause.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

### To-Be Determined 2015

<b>To-Be Determined</b>	
219	<p><b>Equipment Not Requiring a Written Permit Pursuant to Regulation II</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments to Rule 219 may be proposed to exclude equipment with de minimis emissions from the requirement to obtain written permits.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
222	<p><b>Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation I</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments for Rule 222 may be proposed to add additional equipment categories to the streamlined filing/registration program of Rule 222.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
224	<p><b>Incentives for Super-Compliant Technologies</b>  <i>[Projected Emission Reduction: TBD]</i>                      This proposed rule will outline strategies and requirements to incentivize the development, establishment and use of super-compliant technologies. It can be considered as a part of Rule 219 amendments or proposed as a separate incentive rule.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

# ATTACHMENT C

## Other Rule Activity Schedule (continued)

### To-Be Determined 2015

<b>To-Be Determined</b>	<b>(continued)</b>
1107	<p><b>Coating of Metal Parts and Products</b>  <i>[Projected Emission Reduction: N/A]</i>                      Potential amendments to Rule 1107 would further reduce VOC emissions and improve rule clarity and enforceability.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1118	<p><b>Control of Emissions from Refinery Flares</b>  <i>[Projected Emission Reduction: TBD]</i>                      Amendments may be necessary to address results of the additional analysis required by the adopting resolution for the last amendment. Amendments may also be necessary to implement an AB 32 measure.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1147	<p><b>NOx Reductions from Miscellaneous Sources</b>  <i>[Projected Emission Reduction: N/A]</i>                      Amendments may be necessary to address findings of ongoing technology assessment.  <i>Joe Cassmassi 909.396.3155 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1148.2	<p><b>Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers</b>  <i>[Projected Emission Reduction: N/A]</i>                      Revisions to Rule 1148.2 may be needed based on information collected through implementation of Rule 1148.2.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1190 Series	<p><b>Fleet Vehicle Requirements</b>  <i>[Projected Emission Reduction: TBD]</i>                      Amendments to Rule 1190 series fleet rules may be necessary to address remaining outstanding implementation issues and in the event the court's future action requires amendments. In addition, the current fleet rules may be expanded to achieve additional air quality and air toxic benefits.  <i>Dean Saito 909.396.2647 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. XIII	<p><b>New Source Review</b>  <i>[Projected Emission Reduction: TBD]</i>                      Amendments may be necessary to address U.S. EPA comments on SIP approvability issues and/or requirements. Amendments may also be proposed for clarity and improved enforceability.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

### To-Be Determined 2015

## ATTACHMENT C

### Other Rule Activity Schedule (continued)

<b>To-Be Determined</b>	<b>(continued)</b>
1902	<p><b>Transportation Conformity</b>  <i>[Projected Emission Reduction: TBD]</i>                      Amendments to Rule 1902 may be necessary to bring the District’s Transportation Conformity rule in line with current U.S. EPA requirements.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
2511	<p><b>Credit Generation Program for Locomotive Head End Power Unit Engines</b>  <i>[Projected Emission Reduction: TBD]</i>                      Develop a rule to allow generation of PM mobile source emission reduction credits from Locomotive Head End Power Unit Engines. Credits will be generated by retrofitting engines with PM controls or replacing the engines with new lower-emitting engines.  <i>Randall Pasek 909.396.2251 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
2512	<p><b>Credit Generation Program for Ocean-Going Vessels at Berth</b>  <i>[Projected Emission Reduction: TBD]</i>                      Develop a rule to allow generation of PM, NOx and SOx emission reduction credits from ocean-going vessels while at berth. Credits will be generated by controlling the emissions from auxiliary engines and boilers of ships while docked.  <i>Randall Pasek 909.396.2251 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. IV, IX, X, XI, XIV, XX, 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 listed in Table 1 of the December 5, 2014 Rule and Control Measure Forecast and new or amended rules to implement the 2012 AQMP measures in Table 2 of the December 5, 2014 Rule and Control Measure Forecast. The CCP has been updated to include new measures to address toxic emissions in the basin. The CCP includes a variety of measures that will reduce exposure to air toxics from stationary, mobile, and area sources (Table 3 of the December 5, 2014 Rule and Control Measure Forecast). Rule amendments may include updates to provide consistency with CARB Statewide Air Toxic Control Measures.</p>

# ATTACHMENT D

## Climate Change

This attachments lists rules or rule amendments for Governing Board consideration that are designed to implement SCAQMD’s Climate Change Policy or for consistency with state or federal rules.

### To-Be Determined 2015

<b>To-Be Determined</b>	
1118	<p><b>Control of Emissions from Refinery Flares</b>  <i>[Projected Emission Reduction: TBD]</i>                      Amendments may be necessary to address findings from the additional analysis required by the adopting resolution for the last amendment. Amendments may also be necessary to implement an AB 32 measure.  <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. XXVII	<p><b>Climate Change</b>  <i>[Projected Emission Reduction: TBD]</i>                      Additional protocols may be added to Rules 2701 and 2702 and amendments to existing rules may be needed to address implementation issues.  <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. IV, IX, X, XI, XIV, XX, XXX and XXXV Rules	<p>Rule developments/amendments may be needed to meet the requirements of state and federal laws related to climate change air pollutants.</p>