BOARD MEETING DATE: September 1, 2017 AGENDA NO. 17

- REPORT: Rule and Control Measure Forecast
- SYNOPSIS: This report highlights SCAQMD rulemaking activities and public workshops potentially scheduled for 2017 and a portion of 2018.

COMMITTEE: No Committee Review

RECOMMENDED ACTION: Receive and file.

Wayne Nastri Executive Officer

PMF:SN:AFM:RM

2017 MASTER CALENDAR

The table below summarizes changes to the schedule since July's Rule and Control Measure Forecast Report. Staff will continue to work with all stakeholders as these projects move forward.

Reg. IX	Standards of Performance for New Stationary Sources		
Reg. X	National Emission Standards for Hazardous Air Pollutants		
due to incorp	Proposed Amended Reg. IX and Reg. X are being moved from October to fourth quarter of 2018 due to incorporation of NSPS and NESHAP standards into Regulations IX and X not being critical at this time, based on staff's review of applicable Federal Register Publications.		
1118.1	Control of Emissions from Non-Refinery Flares		
-	le 1118.1 is being moved from November to the first quarter of 2018 to allow ongoing ts and development of emissions inventory.		
1435	Control of Emissions from Metal Heat Treating Processes		
•	e 1435 is being moved from November to second quarter of 2018 due to other riorities and the staffing and resources necessary to conduct rule development		

1466	Control of Particulate Emissions from Soils with Toxic Air Contaminants	
Rule 1466 wa	s adopted on July 7, 2017. The adoption resolution directed staff to return to the Board	
as early as practicable to amend the rule to expand the list of applicable toxic air contaminants.		

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.

Month	Title and Description	Type of Rulemaking
October		
1168	Adhesive and Sealant Applications (CTS-02) 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1168 will partially implement CTS-02 and reflect improvements in adhesive and sealant technology, as well as remove outdated provisions and include minor clarifications.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>Michael Krause 909.396.2706 CEQA and Socio: Jillian Wong 909.396.3176</i>	AQMP
November		
1148.3	Requirements for Underground Gas Storage Proposed Rule 1148.3 will establish requirements to address public nuisance and VOC emissions from underground natural gas storage facilities.	Other
1180	Refinery Fenceline and Community Monitoring Proposed Rule 1180 will establish requirements for fenceline and community monitoring at petroleum refineries. <i>Susan Nakamura 909.396.3105 CEQA and Socio: Jillian Wong 909.396.3176</i>	Other
1407*	Control of Emissions of Arsenic, Cadmium and Nickel from Non-	Toxics
1407.1	Ferrous Metal Operations 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. Susan Nakamura 909.396.3105 CEQA and Socio: Jillian Wong 909.396.3176	

2017

November Type of **Title and Description** Rulemaking (cont'd) 1420 **Emission Standard for Lead Toxics** In October 2008, U.S. EPA lowered the National Ambient Air Quality Standard (NAAQS) for lead from 1.5 to 0.15 μ g/m³. 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 NAAOS. Susan Nakamura 909.396.3105 CEQA and Socio: Jillian Wong 909.396.3176 **December** 1153.1 **Emissions of Oxides of Nitrogen from Commercial Food Ovens** Other 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. Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176 1410^{*} Toxics **Hydrogen Fluoride Use at Refineries** Proposed Rule 1410 will establish requirements for use of hydrogen fluoride at refineries. Michael Krause 909.396.2706 CEQA and Socio: Jillian Wong 909.396.3176 1426* **Emissions from Metal Finishing Operations** Toxics Proposed amendments to Rule 1426 will establish requirements to reduce nickel, cadmium and other air toxics from plating operations. 1469^{*} Hexavalent Chromium Emissions from Chromium Electroplating Toxics and Chromic Acid Anodizing Operations Proposed Amended Rule 1469 will strengthen requirements to address potential fugitive emissions from hexavalent chrome plating and anodizing operations. Susan Nakamura 909.396.3104 CEQA and Socio: Jillian Wong 909.396.3176 Toxics 1445 **Control of Toxic Emissions from Laser Arc Cutting** Proposed Rule 1445 will establish requirements to reduce toxic metal particulate emissions from laser arc cutting. Susan Nakamura 909.396.3105 CEQA and Socio: Jillian Wong 909.396.3176

2017 MASTER CALENDAR

2017 MASTER CALENDAR

December		
1466	Control of Particulate Emissions from Soils with Toxic Air	
	Contaminants	
	Rule 1466 was adopted on July 7, 2017. The adoption resolution	
	directed staff to return to the Board as early as practicable to amend the	
	rule to expand the list of applicable toxic air contaminants.	
	Susan Nakamura 909.396.3105 CEQA and Socio: Jillian Wong 909.396.3176	

2017 To-Be-Determined

To-Be- Determined	Title and Description	Type of Rulemaking
102	Definition of Terms	Other
	Staff may amend Rule 102 to add or revise definitions to support	
	amendments to other Regulation XI rules.	
	Susan Nakamura 909.396.3105 CEQA and Socio: Jillian Wong 909.396.3176	
223	Emission Reduction Permits for Large Confined Animal Facilities Proposed Amended Rule 223 will seek additional emission reductions from large confined animal facilities by lowering the applicability	AQMP
	threshold. Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176	
224	Incentives for Super-Compliant Technologies	Other
	Proposed 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.	
	Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176	
416	Odors from Kitchen Grease Processing	Other
	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.	
	Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176	

To-Be- Determined	Title and Description	Type of Rulemaking
430	Breakdown Provisions	AQMP
	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 and Socio: Jillian Wong 909.396.3176</i>	
1100		Others
1106	Marine Coating Operations	Other
1106.1	Pleasure Craft Coating Operations	
	(This item was previously submitted to the Board, but rejected. It will	
	be brought back for Board direction.)	
	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.	
1107+	Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176	AQMP
1107	Coating of Metal Parts and Products (CTS-02) Potential amendments to Rule 1107 would further reduce VOC	AQMI
	emissions and improve rule clarity and enforceability.	
	Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176	
1111	Reduction of NOx Emissions from Natural Gas Fired, Fan-Type	AQMP
	Central Furnaces	
	Rule 1111 may be amended to address compliance challenges.	
1111.1	Reduction of NOx Emissions from Natural Gas Fired Commercial	
	Furnaces (CMB-01)	
	Proposed Rule 1111.1 will establish equipment-specific nitrogen	
	oxides emission limits and other requirements for the operation	
	of commercial space heaters.	
	Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176	

To-Be- Determined	Title and Description	Type of Rulemaking
1113	Architectural Coatings	Other
	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 (OEHHA), reassessment of	
	the limited tBAc exemption in the Rule will occur. Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176	
1123+	Refinery Process Turnarounds (MCS-03)	AQMP
	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.	
	Ian MacMillan 909.396.3244 CEQA and Socio: Jillian Wong 909.396.3176	
1135	Emissions of Oxides of Nitrogen from Electric Power Generating	Other
	Systems	
	At the December 4, 2015 Board meeting, Rule 2001 - Applicability	
	was amended, allowing for an off-ramp from the NOx RECLAIM	
	program for electricity generating facilities (EGF) operating at Best	
	Available Control Technology (BACT) or Best Available Retrofit Control Technology (BACT) NOv amission lavala Any ECE that	
	Control Technology (BARCT) NOx emission levels. Any EGF that opts out of the NOx RECLAIM program wouldneed 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 an EGF facility to	
	maintain compliance with NOx RECLAIM emission limits; an 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.	
	Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176	
1136*,+	Wood Products Coatings (CTS-02)	AQMP
	Amendments may be proposed to existing rule limits and other	
	provisions.	
1450^{*}	Control of Methylene Chloride Emissions	Toxics
	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.	
	Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176	

Title and Description	Type of Rulemaking
Marine Tank Vessel Operations	Other
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 and Socio: Jillian Wong 909.396.3176</i>	
Emissions of Oxides of Nitrogen	Other
Amendments to Rules 1146, 1146.1, and 1146.2 may be necessary	
to respond to advancements in ultra-low NOx burner technology and selective catalytic reduction (SCR) applicability.	
	Other
Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers 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.	ouler
Ian MacMillan 909.396.3244 CEQA and Socio: Jillian Wong 909.396.3176	
Control of Gaseous Emissions from Municipal Solid Waste Landfills 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. <i>Ian MacMillan 909.396.3244 CEQA and Socio: Jillian Wong 909.396.3176</i>	Other
the limited tBAc exemption in the Rule will occur.	Other
Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants Proposed revisions to Rule 1173 are being considered based on recent U.S. EPA regulations and CARB's oil and gas regulations.	Other
	Marine Tank Vessel Operations Revisions to Rule 1142 are proposed to address VOC emissions from marine tank vessel operations and provide clarifications. Iam MacMillan 909.905.3244 CEQA and Socie: Jillian Wong 900.396.3176 Emissions of Oxides of Nitrogen Amendments to Rules 1146, 1146.1, and 1146.2 may be necessary to respond to advancements in ultra-low NOx burner technology and selective catalytic reduction (SCR) applicability. Tracy Goss 909.396.3106 CEQA and Socie: Jillian Wong 909.396.3176 Oil and Gas Production Wells Notification and Reporting Requirements for Oil and Gas Wells and Chemical Suppliers 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. Iam MacMillan 909.396.3244 CEQA and Socie: Jillian Wong 909.396.3176 Control of Gaseous Emissions from Municipal Solid Waste Landfills 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. Iam MacMillan 909.396.3244 CEQA and Socie: Jillian Wong 909.396.3176 Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations Duencing Operations Depending on the final recommendations of the tBAc white paper and the actions of the Scientific Review Panel fo

To-Be- Determined	Title and Description	Type of Rulemaking
1177+	Liquefied Petroleum Gas Transfer and Dispensing	AQMP
	(2012 AQMP FUG-02)	
	Potential amendments may be proposed to include additional	
	sources of emissions from the dispensing and transfer of LPG.	
1188+	Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176 VOC Reductions from Vacuum Trucks (FUG-01)	AQMP
1100	The proposed rule will establish VOC emission standards and other	ngmi
	requirements associated with the operation of vacuum trucks not	
	covered by Rule 1149 – Storage Tank and Pipeline Cleaning and	
	Degassing.	
	Ian MacMillan 909.396.3244 CEQA and Socio: Jillian Wong 909.396.3176	
1190, 1191,	Fleet Vehicle Requirements	Other
1192,1193,	Amendments to Rule 1190 series fleet rules may be necessary to	
1194,1195,	address implementation. In addition, the current fleet rules may be	
1196, &	expanded to achieve additional air quality and air toxic benefits.	
1186.1	Dean Saito 909.396.2647 CEQA and Socio: Jillian Wong 909.396.3176	
1304.2	California Public Utilities Commission Regulated Electrical Local	Other
	Publicly Owned Electrical Utility Fee for Use of SOx, PM10 and NOx Offsets	
1304.3	Local Publicly Owned Electrical Generating Facility Fee for Use	Other
	of SOx, PM10 and NOx Offsets	
	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.	
	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.	
	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.	
	Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176	

To-Be- Determined	Title and Description	Type of Rulemaking
1470*	Requirement for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines at Sensitive Receptors The proposal would address new and existing small (≤ 50 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 of alternative power sources that are substantially less polluting.	Toxics
	Ian MacMillan 909.396.3244 CEQA and Socio: Jillian Wong 909.396.3176	
1902	Transportation Conformity Amendments to Rule 1902 may be necessary to bring the District's Transportation Conformity rule in line with current U.S. EPA requirements. <i>Ian MacMillan 909.396.3244 CEQA and Socio: Jillian Wong 909.396.3176</i>	Other
1905	Pollution Controls for Automotive Tunnel Vents This proposed rule would address emissions from proposed roadway tunnel projects that could have air quality impacts. <i>Ian MacMillan 909.396.3244 CEQA and Socio: Jillian Wong 909.396.3176</i>	Other
2202	On-Road Motor Vehicle Mitigation Options Rule 2202 will be amended to enhance emission reductions obtained from the Employee Commute Reduction Program (ECRP) rule option. <i>Carol Gomez</i> 909.396.3264 CEQA and Socio: Jillian Wong 909.396.3176	Other
Reg. XVI	Mobile Source Offset Programs Amendments to various Regulation XVI rules will be proposed to address the recent U.S. EPA proposed disapproval of such rules including Rule 1610. Philip Fine 909.396.2239 CEQA and Socio: Wong 909.396.3176	Other
Reg. XVII	Prevention of Significant Deterioration Proposed amendments to Regulation XVII will align the SCAQMD's Prevention of Significant Deterioration program with federal requirements. <i>Carol Gomez</i> 909.396.3264 CEQA and Socio: Jillian Wong 909.396.3176	Other

To-Be- Determined	Title and Description	Type of Rulemaking
Reg. XXIII	Emissions Growth Management of Various Emissions Sources 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 in the 2016 AQMP. Regulation XXIII may include other sources as provided in the Final 2016 AQMP to be submitted to U.S. EPA.	AQMP
Reg. XXV	Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176 On-Road and Off-Road Mobile Source Credit Generation Programs Regulation XXV will contain rules to allow generation of criteria pollutant mobile source emission reduction credits (MSERCs) 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 2016 AQMP includes two measures that seek to accelerate early deployment of near-zero and zero emission on-road heavy-duty trucks and off-road equipment, through generation of MSERCs that could be used for purposes of recognizing mobile source emission reductions at facilities affected by the AQMP's Facility-Based Measures. <i>Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176</i>	AQMP
Reg. XXVII	Climate Change Changes may be needed to Regulation XXVII to add or update protocols for GHG reductions, and other changes. Philip Fine 909.396.2239 CEQA and Socio: Jillian Wong 909.396.3176	Other

To-Be- Determined	Title and Description	Type of Rulemaking
Reg. II, IV, XI, XIII, 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, new or amended rules to implement the 2012 or 2016 AQMP measures. This includes measures in the 2010 Clean Communities Plan (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 U.S. EPA's National Emission Standards for Hazardous Air Pollutants.	

2018 First Quarter of 2018

To-Be- Determined	Title and Description	Type of Rulemaking
415*	Odors from Animal Rendering Facilities	Other
	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.	
	Tracy Goss 909.396.3106 CEQA and Socio: Jillian Wong 909.396.3176	
1118.1	Control of Emissions from Non-Refinery Flares	Other
	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 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.	
	Michael Krause 909.396.2706 CEQA and Socio: Jillian Wong 909.396.3176	

2018 (continued) Second Quarter of 2018

To-Be- Determined	Title and Description	Type of Rulemaking
1435	Control of Emissions from Metal Heat Treating Processes Proposed	Toxics
	Rule 1435 would establish requirements to reduce metal particulate	
	emissions from heat treating processes.	
	Susan Nakamura 909.396.3105 CEQA and Socio: Jillian Wong 909.396.3176	

Fourth Quarter of 2018

To-Be- Determined	Title and Description	Type of Rulemaking
Reg. IX	Standards of Performance for New Stationary Sources	Other
Reg. X	National Emission Standards for Hazardous Air Pollutants	
	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</i> 909.396.3264 <i>CEQA and Socio: Jillian Wong</i> 909.396.3176	