

Proposed Amended Rule 1143 – *Consumer Paint Thinners and Multi-Purpose Solvents* (PAR 1143)

Public Workshop
August 4, 2026, 10:30 AM PT



Join Zoom Webinar

<https://aqmd.zoomgov.com/j/1601231455>

Webinar ID: 160 123 1455

Teleconference Dial-In: +1 669 254 5252

Agenda

Rule 1143 Background

Rule Language Review

Emission Impacts

Socioeconomic Impacts

California Environmental Quality Act (CEQA)

Next Steps

Rule 1143 Background

Adopted in March 2009 and last amended in December 2010

Purpose:

- Limit Volatile Organic Compound (VOC) emissions from consumer paint thinners and multi-purpose solvents

Applicability:

- Any person who supplies, sells, offers for sale, manufactures, uses, or solicits the use of consumer paint thinners and multi-purpose solvents
- Commonly used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations

Objective of amending Rule 1143:

- Reduce health risk from the use of:
 - *para*-Chlorobenzotrifluoride (pCBtF), CAS #: 98-56-6
 - *tert*-Butyl Acetate (t-BAc), CAS #: 540-88-5

Exempt Compounds Background

Certain solvents are defined as exempt from the definition of VOC by the U.S. Environmental Protection Agency if they are negligibly photochemically reactive (less reactive than ethane)

Exempt compounds are not considered toward the VOC content of regulated materials

U.S. EPA does not consider toxicity when making their designation

Two exempt compounds of focus are pCBtF and t-BAc

Proposed Amended Rule 1143 Universe

Working Group Meeting
#1 on August 12, 2025:
released manufacturer
survey



Meeting with individual
stakeholders since
December 2025



Working Group Meeting
#2 on June 17, 2026

- Manufacturer Survey
 - Survey asked manufacturers about products sold into or within South Coast AQMD
 - Two manufacturers responded to the Rule 1143 survey
 - Staff contacted other stakeholders for proposals and did not receive responses

Proposed Concepts



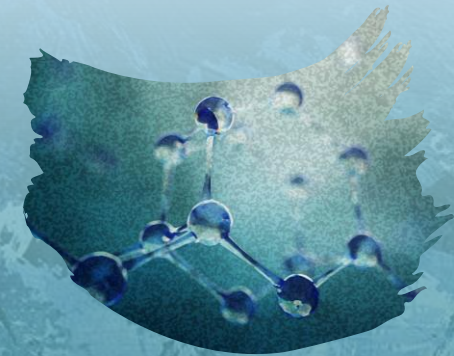
Prohibition of pCBtF and t-BAC

Discontinue
manufacturing by
July 1, 2027



Sell-Through

Until July 1, 2029



Maximum Incremental Reactivity-Based (MIR) Limit

Optional MIR limit
aligned with Rule
1171 provision

Maximum Incremental Reactivity-Based VOC Limits

- Staff is proposing to incorporate MIR-based VOC limits
 - MIR is a measure of the photochemical reactivity of a VOC, which estimates the weight of ozone produced from a weight of VOC
- MIR-based limits restrict the ozone-forming potential of materials by limiting the weighted averages of the MIR value of each solvent (Product-Weighted MIR; PW-MIR)
 - Provides flexibility to manufacturers while reducing air quality impacts
 - Recently adopted Rules 1151, 1171, and 1136 included several optional alternative MIR-based VOC limits



Proposed Amended Rule Language

Updates to Rule Organizational Structure

Rule 1143

(a) Purpose

(b) Applicability

(c) Definitions

(d) Requirements

(e) Administrative Requirements

(f) Recordkeeping

(g) Compliance Dates

(h) Information exempt from Disclosure

(i) Test Methods

(j) Exemptions

(k) Severability

Proposed Amended Rule 1143

(a) Purpose

(b) Applicability

(c) Definitions

(d) Requirements

(e) Labeling Requirements

(f) Reporting and Recordkeeping Requirements

(g) Information Exempt from Disclosure

(h) Test Methods

(i) Exemptions

(j) Severability

Subdivision (a)

- Capitalized defined terms

Rule 1143

(a) Purpose

The purpose of this rule is to reduce emissions of volatile organic compounds (VOCs) from the use, storage and disposal of consumer paint thinners and multi-purpose solvents commonly used in thinning of coating materials, cleaning of coating application equipment, and other solvent cleaning operations by limiting their VOC content.

Proposed Amended Rule 1143

(a) Purpose

The purpose of this rule is to reduce emissions of ~~volatile organic compounds~~ Volatile Organic Compounds (VOCs) and toxics from the use, storage, and disposal of ~~consumer paint thinners~~ Consumer Paint Thinners and ~~multi-purpose solvents~~ Consumer Multi-Purpose Solvents commonly used in thinning of coating materials, cleaning of coating application equipment, and other ~~solvent cleaning~~ Solvent Cleaning operations by limiting their ~~VOC content~~ VOC Content.

Subdivision (b)

- Capitalized defined terms
- Updated for consistency across other VOC rules

Rule 1143

(b) Applicability

This rule is applicable to any person who supplies, sells, offers for sale, or manufactures consumer paint thinners and multi-purpose solvents for sale in the District, as well as any person who uses or solicits the use of any consumer paint thinner and multi-purpose solvent within the District.

Proposed Amended Rule 1143

(b) Applicability

This rule is applicable to any ~~person~~Person who supplies, sells, offers for sale, ~~or~~ manufactures, markets, blends, distributes, packages, or repackages ~~consumer paint thinners~~Consumer Paint Thinners and ~~multi-purpose solvents~~Consumer Multi-Purpose Solvents for ~~sale~~use in the ~~District~~South Coast AQMD, as well as any ~~person~~Person who uses or ~~solicits~~Solicits the use of any ~~consumer paint thinner~~Consumer Paint Thinners and ~~multi-purpose solvent~~Consumer Multi-Purpose Solvents within the ~~District~~South Coast AQMD.

Subdivision (c)

Deleted Definitions

- Deleted unused definitions
 - Retail Outlet
 - Solvent Flushing

Proposed Amended Rule 1143

~~(13) RETAIL OUTLET means any establishment at which consumer products are sold, supplied, or offered for sale directly to consumers.~~

~~(17) SOLVENT FLUSHING is the use of a solvent to remove adhesives, inks, coatings, or contaminants from the internal surfaces and passages of the equipment by inducing a rapid flow of solvent through the equipment.~~

Subdivision (c)

New Definitions

- Added definitions for clarifications
 - Chemical Abstracts Service Registration Number
 - Executive Officer
 - Principal Display Panel
- Added MIR definition related to new provisions

Proposed Amended Rule 1143

(2) CHEMICAL ABSTRACTS SERVICE REGISTRATION NUMBER or CAS RN means a unique numerical identifier assigned by the Chemical Abstracts Service to a single chemical substance to ensure unambiguous identification.

(6) EXECUTIVE OFFICER is as defined in Rule 102 – Definition of Terms (Rule 102).

(13) MAXIMUM INCREMENTAL REACTIVITY (MIR) means the measure of the photochemical reactivity of a VOC, which estimates the weight of ozone produced from a weight of VOC expressed as gram of ozone per gram of VOC (g O₃/g VOC). MIR values for individual VOCs are specified in Title 17, California Code of Regulations, Sections 94700 and 94701.

(15) PRINCIPAL DISPLAY PANEL means that part, or those parts of a label that are so designed as to most likely be displayed, presented, shown, or examined under normal and customary conditions of display or purchase.

Subdivision (c)

New Definitions

- Added definitions related to new provisions
 - Product-Weighted MIR
- Added definitions for clarifications
 - South Coast AQMD Test Method

Proposed Amended Rule 1143

(16) PRODUCT-WEIGHTED MIR (PW-MIR) means the sum of all weighted MIR for all ingredients in a product. The PW-MIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging) and calculated according to the following equations:

Weighted MIR (Wtd-MIR) ingredient = MIR x Weight Fraction ingredient and

$PW-MIR = (Wtd-MIR)_1 + (Wtd-MIR)_2 + \dots + (Wtd-MIR)_n$

Where:

MIR = ingredient MIR; and

1, 2, 3..., n = each ingredient in the product up to the total n ingredients in the product.

(21) SOUTH COAST AQMD TEST METHOD means a test method included in the manual of "Laboratory Methods of Analysis for Enforcement Samples," which can be found on the South Coast AQMD website and are referenced in subdivision (h).

Subdivision (c)

Revised Definitions

- Revised definition of VOC content to support the introduction of reactivity-based compliance options

Rule 1143

- (19) VOC CONTENT means the total weight of VOC in a product expressed as a percentage of the product weight or as a mass-based concentration expressed in grams per liter of material (g/L) or pounds per gallon (lb/Gal).

Proposed Amended Rule 1143

- (~~19~~²³) VOC CONTENT means the total weight of VOC in a product ~~expressed as a percentage of the product weight or~~ as a mass-based concentration expressed in grams per liter of material (g/L-Material) or pounds per gallon (lb/Gal) or the PW-MIR VOC content expressed as g O₃/g Product.

Subdivision (c)

Revised Definitions

- Revised definitions for clarification without changing original intent
- Consumer multi-purpose solvents do not include paint strippers for painting clean-up, not intended for paint stripping that removes cured coatings, cured inks, and/or cured adhesives

Proposed Amended Rule 1143

- (23) CONSUMER MULTI-PURPOSE SOLVENTS ~~are~~means any liquid products designed or labeled to be used for dispersing, ~~or~~ dissolving, or removing contaminants or other organic materials for personal, family, household, or institutional use including, but not limited to, the following:
- (1A) ~~products~~ Products that do not display specific use instructions on the product container or packaging;
- (2B) ~~products~~ Products that do not specify an end-use function or application on the product container or packaging;
- (3C) ~~solvents~~ Solvents used in institutional facilities, except for laboratory reagents used in analytical, educational, research, scientific or other laboratories;
- (4D) ~~“Paint clean-up” products,~~ which means any liquid product labeled for cleaning oil-based or water-based paint, lacquer, varnish, or related coatings from substrates including, but not limited to, painting equipment or tools, plastics or metals; and
- (5E) ~~products~~ Products labeled to prepare surfaces for painting.

(1114) PERSON ~~means any individual, firm, association, organization, partnership, business trust, corporation, company, contractor, supplier, installer, user or owner, or any state or local governmental agency or public district or any other officer or employee thereof. “Person” also means the United States or its agencies to the extent authorized by Federal law~~ is as defined in Rule 102.

(79) GRAMS OF VOC PER LITER (g/L) OF MATERIAL (ACTUAL VOC) is~~means~~ the weight of VOC per volume of material and can be calculated by the following equation:

$$\frac{\text{Grams of VOC per Liter of Material Actual VOC (g/L)}}{V_m} = \frac{W_{sV} - W_{wV} - W_{esX}}{V_m}$$

Where:

W_{sV} = ~~weight~~ Weight of volatile compounds in grams

W_{wV} = ~~weight~~ Weight of water in grams

W_{esX} = ~~weight~~ Weight of ~~exempt compounds~~ Exempt Compounds in grams

V_m = ~~volume~~ Volume of the material in liters

FORMULATION DATA is~~means~~ the actual product recipe which itemizes all of the ingredients and the percent by weight of each ingredient contained in a product, including VOCs ~~and the quantities thereof used by the manufacturer to create the product.~~ Material Safety Data Sheets (MSDS) are not considered ~~formulation data~~ Formulation Data.

Subdivision (d)

Paragraph (d)(2)

PW-MIR

- Added optional alternative MIR VOC limit to align with Rule 1171

Proposed Amended Rule 1143

(2) Alternative MIR VOC Limit

In lieu of complying with the VOC limits in paragraph (d)(1), a Person may elect to supply, sell, offer for sale, manufacture, market, blend, distribute, package, or repackage Consumer Paint Thinners and Consumer Multi-Purpose Solvents for use within the South Coast AQMD that comply with a PW-MIR limit of 0.38 g O₃/g Product provided the Consumer Paint Thinners and Consumer Multi-Purpose Solvents meet the labeling requirements specified in paragraph (e)(3).

Subdivision (d)

Paragraph (d)(3) Prohibition

- Main goal of rule amendment is to phase out and prohibit the use of pCBtF and t-BAc
- Maintain existing prohibition for Group II Exempt Compounds, removing exception for “cyclic, branched, or linear, completely methylated siloxanes (VMS)”

Proposed Amended Rule 1143

- (3) A Person shall not supply, sell, offer for sale, manufacture, market, blend, distribute, package, or repackage, any Consumer Paint Thinner or Multi-Purpose Solvent for use within the South Coast AQMD that contains any of the following chemicals in concentrations greater than the limits indicated:
- (A) 0.01 percent by weight of Group II Exempt Compound, as is defined in Rule 102; or
- (B) 0.01 percent by weight of para-Chlorobenzotrifluoride (pCBtF), CAS RN 98-56-6 and tert-Butyl Acetate (t-BAc), CAS RN 540-88-5 manufactured after July 1, 2027.

Comment on Removing Group II Compound Prohibition's Exception for VMS

- Comment letter from stakeholders asked to retain the non-prohibition of cyclic, branched, or linear, completely methylated siloxanes (VMS)
- Staff response:
 - PAR 1143 applies to consumer products, not only commercial or industrial
 - Manufacturers currently **not** using VMS in their products
 - U.S. EPA conducted draft risk evaluation under Toxic Substances Control Act
 - Preliminary determinations of unreasonable risk to workers and consumers through certain conditions of use
 - Precautionary approach is more health protective, especially for rule that applies to consumer products
 - Staff recommends prohibiting use of VMS along with other Group II compounds

Subdivision (d)

Paragraph (d)(4)

Sell-Through

- Intended to prevent stranded inventory while ensuring an orderly transition to compliant products

Proposed Amended Rule 1143

~~(24)~~ Sell-Through Provision for Products with pCBtF and t-BAc

~~(A)~~—Any ~~consumer paint thinner~~Consumer Paint Thinner or ~~multi-purpose solvent~~Consumer Multi-Purpose Solvent that is manufactured prior to ~~the effective date of the applicable limit specified in paragraph (d)(1)~~ July 1, 2027, and that ~~has a VOC content above that limit (but not above the limit in effect on the date of manufacture), may be sold, supplied, offered for sale, or used for up to one year after the specified effective date~~ contains more than 0.01 percent of pCBtF or t-BAc may be sold, supplied, or offered for sale until July 1, 2029.

~~(B)~~—~~Consumer paint thinners manufactured prior to July 9, 2010 and labeled for more than one use including industrial maintenance coating thinning, may be sold, supplied, offered for sale, or used up to April 1, 2011.~~

Subdivision (e)

Paragraph (e)(3)

Labeling

- Added labeling provision for those who elect to comply with the alternative PW-MIR VOC limit

Proposed Amended Rule 1143

(43) A Person shall not manufacture, supply, sell, offer for sale, market, blend, distribute, package, or repackage for use within South Coast AQMD any applicable Consumer Paint Thinner and Consumer Multi-Purpose Solvent unless the ~~Each product~~ container:

(A) ~~shall clearly~~ Clearly displays the maximum VOC ~~content~~ Content, as determined from the actual product ~~formulation data~~ Formulation Data, and the maximum VOC Content after any dilution as recommended by the Manufacturer, for Consumer Paint Thinner or Consumer Multi-Purpose Solvent complying with the VOC limits pursuant to paragraph (d)(1); or

(B) Clearly displays the maximum PW-MIR VOC Content on the container, and the maximum PW-MIR VOC Content after any dilution as recommended by the Manufacturer, for Consumer Paint Thinner or Consumer Multi-Purpose Solvent complying with the alternative PW-MIR VOC limit pursuant to paragraph (d)(2).

(4) A Person shall not manufacture, supply, sell, offer for sale, market, blend, distribute, package, or repackage for use within South Coast AQMD any applicable Consumer Paint Thinner and Consumer Multi-Purpose Solvent unless the container clearly displays the date of manufacture of the contents or a date code indicating the date of manufacture. The person shall file with the Executive Officer an explanation of each date code.

Subdivision (f)

Reporting and Recordkeeping Requirements

- Streamlined by consolidating provisions from existing rule subdivisions (e) and (g) into PAR 1143 subdivision (f)

Proposed Amended Rule 1143

- (f) Reporting and Recordkeeping Requirements
- (1) Any Manufacturer that supplies Consumer Paint Thinners and Consumer Multi-Purpose Solvents with intent to sell in the South Coast AQMD shall:
- (A) Submit an application for manufacturer identification number on the designated form to the Executive Officer no later than thirty (30) calendar days prior to manufacturing, supplying, selling, or offering for sale, any Consumer Paint Thinner and Consumer Multi-Purpose Solvent for use in the South Coast AQMD;
- (B) Have the application form signed by the Responsible Party for the Manufacturer certifying that all information submitted (including electronic submittals) is true and correct; and
- (C) Notify the Executive Officer in writing within 30 days of any change in the Responsible Party for the Manufacturer.
- (2) Within thirty (30) calendar days after a change of Consumer Paint Thinner and Consumer Multi-Purpose Solvent Manufacturer, the new Consumer Paint Thinner and Consumer Multi-Purpose Solvent Manufacturer shall submit the application for a Manufacturer ID number as required in paragraph (f)(1). That filing shall include the previous Consumer Paint Thinner and Consumer Multi-Purpose Solvent Manufacturer's ID number.
- (3) On or before January 1st of each calendar year, all Manufacturers subject to this rule shall provide to the Executive Officer a list of all their U.S. Distributors to whom they supply products subject to this rule, including but not limited to private label and toll manufactured products. The list shall be in a format determined by the Executive Officer and shall include the Distributor's name, address, contact person, and phone number.
- (4) On or before April 1st of each calendar year, each Manufacturer subject to this rule shall submit an annual Consumer Paint Thinner and Consumer Multi-Purpose Solvent sales and emissions report to the Executive Officer for the previous calendar year.
- (5) Manufacturers shall maintain the following records for five (5) years and make the records available upon request by the Executive Officer:

Emission Impacts of PAR 1143



VOC limits will remain unchanged

No increase in ozone formation expected

No emission reductions expected



Socioeconomic Impacts and California Environmental Quality Act (CEQA)

Socioeconomic Impact Assessment

- Analysis of PAR 1143 will consider:
 1. Types of affected industries, including small businesses
 2. Range of probable costs, including costs to industry or business
 3. Other items typically included in Socioeconomic Impact Assessment
- Socioeconomic Impact Assessment will be made available at least 30 days prior to the Public Hearing on October 2, 2026 (subject to change)

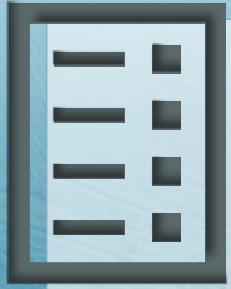
California Environmental Quality Act (CEQA)

- PAR 1143 is a project subject to CEQA
 - Prohibition of pCBtF and t-BAc is health protective
 - No increases in VOC or ozone emissions
- No significant adverse impacts expected
- PAR 1143 qualifies for an exemption
 - A Notice of Exemption from CEQA will be prepared

The background of the slide is an abstract composition of dark blue and white brushstrokes, creating a textured, painterly effect. A large, solid teal-colored shape, resembling a thick brushstroke, is positioned in the center of the slide, framing the text.

Next Steps

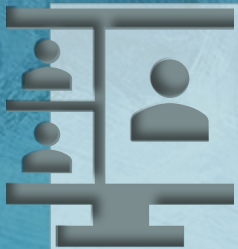
Next Steps



Written Comments
Requested by August
18, 2026



Stationary Source
Committee on August
21, 2026



Set Hearing on
September 4, 2026
(subject to change)



Public Hearing on
October 2, 2026
(subject to change)

PAR 1143 Materials

https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules

Select Language▼

About▼

F.I.N.D.▼

Contact

Grants & Bids▼

Online Services▼

I'm Looking For▼

Sign Up▼

Search aqmd.gov



South Coast
AQMD

AIR
QUALITY▼

INCENTIVE
PROGRAMS▼

RULES &
COMPLIANCE▼

PERMITS▼

NEWS,
WEBCASTS, &
CALENDAR▼

TECHNOLOGY
ADVANCEMENT▼

RESOURCES▼

MEETING
AGENDAS &
MINUTES

Home / Rules & Compliance / Rules / South Coast AQMD Rule Book / Proposed Rules

Share: [f](#) [X](#)

Proposed Rules and Proposed Rule Amendments

Proposed Rules

Guide to South Coast AQMD Rules

Archived

Recent Actions

This page includes a list of rules that are actively in rule development or have recently been proposed and/or amended.

Information regarding Working Group Meetings, Public Workshops, and supporting documents such as presentations, draft staff reports, draft proposed rules, comment letters received, and other information can be found by clicking the rule in the table.

Rule Name	Description
Regulation III	Fee Rules
Rules 444.1, 401, 404, 405, 219 and 222	Proposed Rule 444.1 – Particulate Matter Emission Reductions from Forestry and Agricultural Waste Proposed Amended Rule 401 – Visible Emissions Proposed Amended Rule 404 – Particulate Matter - Concentration Proposed Amended Rule 405 – Solid Particulate Matter - Weight Proposed Amended Rule 219 – Equipment Not Requiring a Written Permit Pursuant to Regulation II Proposed Amended Rule 222 – Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II
Rule 462	Organic Liquid Loading
Rule 463	Organic Liquid Storage

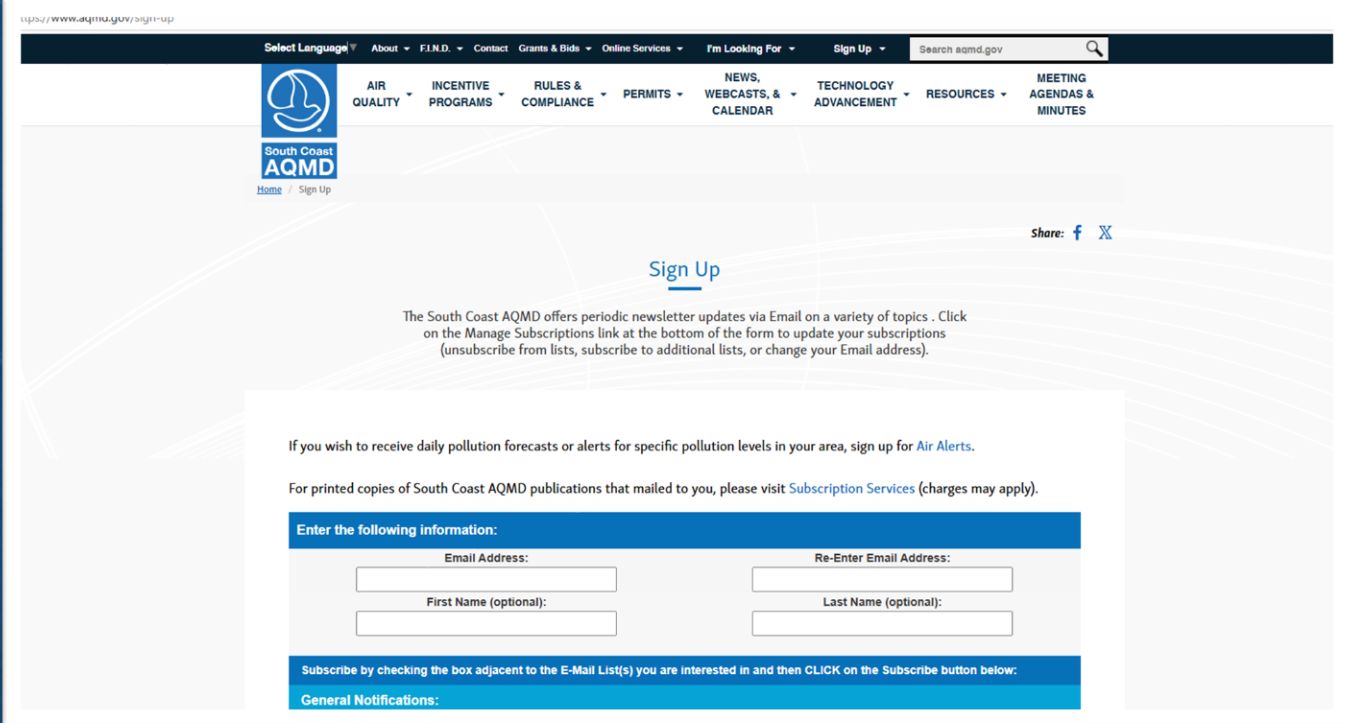
Materials for PAR 1143 are available:
<https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

29

29

Receiving Rulemaking Updates

- To receive email updates, sign up on the South Coast AQMD sign up page:
<http://www.aqmd.gov/sign-up>
- Enter email address and name
- Scroll down to “Rule Updates,” check the box for Rule 1143, and click on the subscribe button at bottom of page
- Follow the instructions in the confirmation email
- Future meeting notices, links to documents, and any updates will be sent via email



The screenshot shows the South Coast AQMD sign-up page. At the top, there is a navigation bar with links for 'Select Language', 'About', 'F.I.N.D.', 'Contact', 'Grants & Bids', 'Online Services', 'I'm Looking For', 'Sign Up', and a search bar. Below the navigation bar is the South Coast AQMD logo and a 'Sign Up' link. The main content area features a 'Sign Up' heading and a paragraph explaining that the AQMD offers periodic newsletter updates via email. Below this, there is a section for 'Air Alerts' and 'Subscription Services'. A form titled 'Enter the following information:' contains fields for 'Email Address', 'Re-Enter Email Address', 'First Name (optional)', and 'Last Name (optional)'. At the bottom of the form, there is a section for 'General Notifications' with a list of rules to subscribe to.

Sign Up

The South Coast AQMD offers periodic newsletter updates via Email on a variety of topics. Click on the Manage Subscriptions link at the bottom of the form to update your subscriptions (unsubscribe from lists, subscribe to additional lists, or change your Email address).

If you wish to receive daily pollution forecasts or alerts for specific pollution levels in your area, sign up for [Air Alerts](#).

For printed copies of South Coast AQMD publications that mailed to you, please visit [Subscription Services](#) (charges may apply).

Enter the following information:

Email Address:

Re-Enter Email Address:

First Name (optional):

Last Name (optional):

Subscribe by checking the box adjacent to the E-Mail List(s) you are interested in and then CLICK on the Subscribe button below:

General Notifications:

- | | |
|---|---|
| ☐ Rule 1138.1 | Control of Emissions from Commercial Cooking Operations |
| ☒ Rule 1143 | Consumer Paint Thinners and Multi-Purpose Solvents |
| ☐ Rule 1144 | Metalworking Fluids and Direct-Contact Lubricants |

Staff Contact Information

Emily Yen

Air Quality Specialist
eyen@aqmd.gov
909.396.3206

Yanrong Zhu

Program Supervisor
yzhu1@aqmd.gov
909.396.3289

CEQA:

Zoya Banan, Ph.D.
zbanan@aqmd.gov
909.396.2332

Heather Farr

Planning and Rules Manager
hfarr@aqmd.gov
909.396.3672

Michael Krause

Assistant DEO
mkrause@aqmd.gov
909.396.2706

Socioeconomic:

Chris Yu
cyu@aqmd.gov
909.396.3025