

Proposed Amended Rule (PAR) 1106 – Marine and Pleasure Craft Coatings

Public Workshop
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Agenda

Rule 1106 Background

Preliminary Draft Rule Language

Emission Impacts

Socioeconomic Impacts

California Environmental Quality Act (CEQA)

Next Steps

The background of the slide is a close-up, high-resolution image of teal-colored water. The water surface is covered in small, rhythmic ripples and waves, creating a textured appearance. The lighting is even, highlighting the varying shades of blue and green in the water.

Rule 1106 Background

Rule 1106 Background

Current Rule 1106 originally separated into two rules:

Rule 1106 – Marine Applications
(adopted November 1988)

Rule 1106.1 – Pleasure Crafts
(adopted May 1992)

2019 Amendment

Combined contents of Rule 1106.1 with Rule 1106

2023 Amendment

Removed reference to unapproved test method ASTM D7767-11
to address U.S. EPA's proposed disapproval



Rule 1106 Applicability

- Current rule is applicable to manufacturers, sellers, suppliers, and users of coatings used for:
 - **Marine Application:** Boats, ships, and vessels, their appurtenances, and structures such as piers, docks, buoys, and oil drilling rigs intended for the exposure to marine or freshwater environment
 - **Pleasure Craft Application:** Marine or freshwater vessels less than 20 meters and manufactured or operated primarily for recreational purposes, or are leased, rented, or chartered to a person or business for recreational purposes



Rule 1106 Requirements

- Rule 1106 establishes volatile organic compounds (VOC) content limits for marine coatings and pleasure craft coatings, coating application restrictions, and recordkeeping requirements
- VOC content limits are separated into three tables:
 - **Table 1** – *Marine Coatings*
 - **Table 2** – *Pleasure Craft Coatings*
 - **Table 3** – *Low-Solids Coatings*
(applies to marine and pleasure craft)
- Table 1 includes separate limits for marine coatings cured at a temperature at or above 194°F (90°C)

TABLE OF STANDARDS II

VOC LIMITS Less water and exempt compounds Grams per Liter (g/L)	
PLEASURE CRAFT COATING CATEGORY	CURRENT LIMIT
Antifoulant Coatings:	
Aluminum Substrate	560
Other Substrate	330
Clear Wood Coatings:	
Sealers	550
Varnishes	490
Primer Coatings:	
Finish Primer/Surfacer	420
High Build Primer/Surfacer	340
Marine Deck Sealant Primer	760
Pretreatment Wash Primer	780
Teak Primer	775
Topcoats:	
Extreme High Gloss Coating	490
High Gloss Coating	420
Any Other Coating Type	420

TABLE OF STANDARDS I

MARINE COATING CATEGORY	VOC LIMITS Less water and exempt compounds Grams per Liter (g/L)	
	BAKED	AIR DRIED
	CURRENT LIMIT	CURRENT LIMIT
Antenna Coating		340
Antifoulant Coatings:		
Aluminum Substrates		560
Other Substrates		400
Inorganic Zinc Coating		340
Low Activation Interior Coating		420
Mist Coating		610
Navigational Aids Coating		340
Nonskid Coating		340
Organic Zinc Coating		340
Pre-Treatment Wash Primer	420	420
Repair and Maintenance Thermoplastic Coating		340
Sealant for Wire-Sprayed Aluminum		610
Special Marking Coating		420
Specialty Coatings:		
Heat Resistant Coating	360	420
High Temperature Coating		500
Tack Coating		610
Topcoats:		
Extreme High-Gloss Coating	420	490
High Gloss Coating	275	340
Undersea Weapons Systems Coating	275	340
Any Other Coating Type	275	340

TABLE OF STANDARDS III

VOC LIMIT – MARINE & PLEASURE CRAFT COATINGS Grams per liter of material VOC	
COATING CATEGORY	CURRENT LIMIT
Low-Solids Coating	120

Key Objectives of Proposed Amendments

1

Phase-out two toxic exempt compounds:

- para-Chlorobenzotrifluoride (pCBtF)
- tert-Butyl Acetate (t-BAc)

2

Reduce VOC emissions where feasible

3

Clarify and streamline rule language

1 Phase-Out pCBtF and t-BAc

Phase-out Approach

Maintain most of the current VOC limits

- Establish alternative reactivity-based VOC limits for categories that are challenging to reformulate without pCBtF and/or t-BAc

Establish future effective phase-out dates for pCBtF and t-BAc

- Varying prohibition timelines for specific coating categories

Establish sell-through and use-through periods to address supply chain

2

Lower VOC Content Limits

- Staff seeking to revise marine coating categories and applicable VOC content limits to align Marine Coatings with U.S. EPA Control Techniques Guidelines for Shipbuilding and Ship Repair Operations (Surface Coating)*
 - Revisions include consolidation of coating subcategories in Rule 1106 that are not in the CTG
 - Categories proposed to be consolidated include:
 - High Gloss and Extreme High Gloss Topcoats
 - Antifoulant Coatings
 - Aluminum Substrates and Other Substrates



*U.S. EPA Control Techniques Guidelines for Shipbuilding and Ship Repair (Surface Coatings) to be referred to simply as "CTG" in following references

2

Lower VOC Emissions

- Staff also seeking to revise pleasure craft coating categories and applicable VOC content limits to be equivalent and no less stringent than other California Air District rules
 - Removing higher VOC subcategories not in other California Air District rules
 - Categories proposed to be consolidated include:
 - Primers
 - Finish and High-build Primer Surfacer, Teak Primers, Marine Deck Sealant Primer
 - High Gloss and Extreme High Gloss Topcoats
 - Antifoulant Coatings
 - Aluminum Substrates and Other Substrates
 - Wood Primers/Sealers and Topcoats



3

Clarify and Streamline Rule Language

Reorganized, updated, and removed outdated language and provisions

Streamlined and restructured coating categories

Revised Pleasure Craft coating title to include Marine Structures

Made other minor changes, including capitalizing defined terms and updating rule references

Preliminary Draft Rule Language

Overall Updates

- Added provisions to phase-out pCBtF and t-BAC, including a prohibition schedule
- Revised VOC content limits
- Added alternative reactivity-based VOC limits
- Moved Alternative Emission Control Plan paragraph into new, separate subdivision
- Restructured minor provisions for consistency
- No major changes made to overall rule structure

Proposed Amended Rule 1106

- (a) Purpose
- (b) Applicability
- (c) Definitions
- (d) Requirements
- (e) Alternative Emission Control Plan
- (f) Prohibition of Possession, Specification, and Sale
- (g) Administrative and Recordkeeping Requirements
- (h) Test Methods
- (i) Rule 442 Applicability
- (j) Exemptions

Purpose and Applicability

- Revised purpose and applicability paragraphs
- Revised to include new or renamed terms:
 - Pleasure Craft *and Marine Structure* Coatings
 - Colorant
 - Navigational Aides

- (a) Purpose
The purpose of this rule is to reduce ~~emissions of~~ Volatile Organic Compounds (VOC) and toxic emissions from the application of Marine Coatings and Pleasure Craft and Marine Structure Coatings.
- (b) Applicability
This rule is applicable to any ~~person~~Person who supplies, sells, offers for sale, markets, manufactures, blends, packages, repackages, possesses or distributes any Marine Coating or Pleasure Craft and Marine Structure Coating, and any associated solvent, ~~used with a Marine or Pleasure Craft Coating~~ for use within the South Coast AQMD ~~Jurisdiction~~jurisdiction, as well as any ~~person~~Person who applies, stores at a worksite, or solicits the application of any Marine Coating, ~~or~~ Pleasure Craft and Marine Structure Coating, Colorant, and any associated solvent, ~~used for purposes of coating Vessels and their Appurtenances, Marine Structures, Navigational Aids, or dredges, with a Marine or Pleasure Craft Coating~~ within the South Coast AQMD ~~Jurisdiction~~.

Definitions (c)

- Added new definitions for clarity and to reflect coating category restructuring
- Revised existing definitions for clarity
- Removed obsolete definitions

Added 22 new definitions

- Appurtenance
- Chemical Abstracts Service Registration Number (CAS RN)
- Clear Wood Sealer
- Clear Wood Topcoat
- Coating
- Colorant
- Executive Officer
- Marine Structure
- Marine Vessel
- Maximum Incremental Reactivity (MIR)
- Navigational Aid
- Person
- Pigmented Wood Sealer
- Pigmented Wood Topcoat
- Primer
- Product-Weighted MIR (PW-MIR)
- Resin
- South Coast AQMD Test Method
- Tie Coat
- Thermoplastic Foul Deterrent Coating
- Vessel
- Wood Coating

Definitions (c) (continued)

- Revised some definitions for greater clarity
- Removed obsolete definitions and consolidated/restructured coating subcategories

Revised eleven definitions

- Heat Resistant Coating
- High-Gloss Coating
- High Temperature Coating
- Low-Solids Coating
- Marine Coating
- Pleasure Craft
- Pleasure Craft Coating
- Sealant for Wire-Sprayed Aluminum
- Tack Coat
- Transfer Efficiency
- Wire-Sprayed Aluminum Coating

Removed five definitions due to non-use in rule language

- Clear Wood Coatings
- Energy Curable Coatings
- High-Build Primer Surfacer
- Touch Up Coatings
- Varnishes

Definitions (c) (continued)

- Added new appurtenance definition to provide greater clarity regarding rule applicability
- Added CAS RN definition as the rule uses CAS RN to clearly identify pCBtF and t-BAc

(5) APPURTENANCE means a fixed, structural, or semi-permanent attachment or accessory that extends beyond the hull or superstructure of a Vessel. Temporary equipment, including but not limited to, fishing nets, trailers, or portable generators, are not Appurtenances.

- Appurtenance definition based on the definition used in Coast Guard, Federal Regulation, Title 33: Navigation and Navigable Waters

(7) CHEMICAL ABSTRACTS SERVICE REGISTRATION NUMBER (CAS RN) is a unique numerical identifier assigned by the Chemical Abstract Service to a single chemical substance to ensure unambiguous identification.

- Chemical Abstracts Service Registration Number (CAS RN) definition added for clarity

Definitions (c) (continued)

Added the following new definitions:

- Clear wood sealers and clear topcoats for clarity regarding restructured wood coatings category
- Coating for general clarification
- Colorant to address new requirements and prohibition for colorants

- (8) CLEAR WOOD SEALER is a Coating containing Resins, but not opaque pigments, which seals wood prior to application of the subsequent Coatings.
- (9) CLEAR WOOD TOPCOAT is a final Coating which contains Resins, but not opaque pigments, and is specifically formulated to form a transparent or translucent solid protective film.
- (10) COATING is a material that is applied to a surface and forms a film in order to beautify, preserve, repair, or protect such a surface.
- (11) COLORANT is a solution of dyes or suspensions of pigments sold or supplied as a separate component that is mixed with Marine Coatings or Pleasure Craft and Marine Structure Coatings on site.

Definitions (c) (continued)

- Added Executive Officer definition for clarity and consistency with other South Coast AQMD rules
- Revised other definitions for clarity and to be consistent with similar coating categories in other South Coast AQMD rules

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

~~(1419)~~ (19) HEAT RESISTANT COATING is any ~~coating~~Coating that ~~during normal use is formulated, labeled, and capable of~~ must-withstanding ing temperatures of at least 204 °C (400 °F).

~~(1520)~~ (20) HIGH GLOSS COATING is any ~~coating~~Coating that ~~achieves at least registers a gloss of 85 percent reflectance units or greater~~ on a 60 degree (°) meter ~~when tested by~~ according to ASTM Test Method D-523 ~~14 “Standard Test Method for Specular Gloss”~~.

~~(1621)~~ (21) HIGH TEMPERATURE COATING is any ~~coating~~Coating that ~~during normal use is formulated, labeled, and capable of~~ must-withstanding temperatures of at least 426 °C (800 °F).

Definitions (c) (continued)

- Revised Low-solids coating definition for clarity and to be consistent with similar definition in other South Coast AQMD rules
- Revised Marine Coating definition to streamline and to clarify rule applicability

(2125) LOW-SOLIDS COATINGS ~~are~~ is a coating Coating containing one pound or less of solids per gallon of material, where the solids content is determined pursuant to ASTM Test Method D 2369 – Standard Test Method for Volatile Content of Coatings.

(2226) MARINE COATING is any ~~coating~~ Coating applied, or intended for application to, ~~except unsaturated polyester resin (fiberglass) coatings, containing volatile organic materials and applied by any means to boats, ships, and vessels~~ Marine Vessels and their ~~appurtenances~~ Appurtenances, ~~and structures such as piers, docks, buoys~~ Navigational Aids, or dredges ~~and oil drilling rigs intended for the exposure to either a marine or fresh water environment.~~

“Marine Coating is any Coating applied, or intended for application to, Marine Vessels and their Appurtenances, Navigational Aids, or dredges.”

Definitions (c) (continued)

- Added Marine Vessel and Marine Structure definitions for clarity regarding rule applicability
- Added Maximum Incremental Reactivity (MIR) definition to clarify new alternative compliance options

(28) MARINE STRUCTURE is a dock or offshore platform.

(29) MARINE VESSEL is any Vessel that is not a Pleasure Craft.

(30) MAXIMUM INCREMENTAL REACTIVITY (MIR) is 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 for individual VOCs are specified in Title 17, California Code of Regulations, Sections 94700 and 94701.

Definitions (c) (continued)

- Added new definition of Navigational Aid for clarity
- Revised definition of Navigational Aids Coating to streamline and improve enforceability

(32) NAVIGATIONAL AID is any external device, marker, or guidance equipment, such as a buoy or other U.S. Coast Guard waterway marker, that is used to aid in nautical navigation.

~~(2533)~~ NAVIGATIONAL AIDS COATING is any ~~coating~~ Coating ~~that is~~ applied to a Navigational Aid ~~buoys or other Coast Guard waterway markers~~ that ~~are~~ is recoated ~~at their usage site aboard ship~~ and ~~immediately~~ returned to the water for navigational use.

Definitions (c) (continued)

Added new definitions of:

- Person for clarity and consistency with other South Coast AQMD rules
- Pigmented wood sealers and pigmented wood topcoats for clarity regarding restructured wood coatings category

(36) PERSON is as defined in Rule 102.

(37) PIGMENTED WOOD SEALER is an opaque Coating which contains Resins and colored pigments formulated to hide the wood surface, that is applied prior to the Topcoat to provide a firm bond, level the surface, or seal the wood.

(38) PIGMENTED WOOD TOPCOAT is a final opaque Coating which contains Resins and colored pigments and is specifically formulated to hide the wood surface and form a solid protective film.

Definitions (c) (continued)

- Revised definitions of pleasure craft and pleasure craft coatings for greater clarity regarding rule applicability
 - “Marine Structure” added to pleasure craft coating title
 - Length threshold removed from pleasure craft definition
 - Unsaturated polyester resin coatings language moved to exemptions subdivision

(~~28~~39) PLEASURE CRAFT are ~~marine or fresh water vessels~~ Vessels ~~that are less than 20 meters in length and are~~ manufactured or operated primarily for recreational purposes, or are leased, rented, or chartered to a ~~person~~ Person or business for recreational purposes. Pleasure Craft are also Vessels operated in amusement theme parks ~~in a fresh water environment~~ solely for the purpose of an amusement park attraction. ~~shall be considered pleasure craft vessels regardless of their length. The owner or operator of a pleasure craft vessel shall be responsible for certifying that the intended use is for recreational purposes.~~

(~~29~~40) PLEASURE CRAFT AND MARINE STRUCTURE COATING is any ~~marine coating~~ Coating ~~except unsaturated polyester resin (fiberglass) coatings, applied, or intended for application by brush, spray, roller, or other means to, a pleasure craft~~ Pleasure Crafts and their Appurtenances, and Marine Structures.

- Pleasure Craft and Marine Structure Coating means “any Coating applied, or intended for the application to, Pleasure Crafts and their Appurtenances, docks, or offshore platforms.”

Definitions (c) (continued)

Added new definitions of:

- Primer to provide clarity regarding restructured primer coating category
- PW-MIR for consistency with new alternative compliance option

(42) PRIMER is any Coating specifically formulated, labeled, and applied to provide corrosion resistance, adhesion for subsequent Coatings, a moisture barrier, or promotes a uniform surface necessary for filling in surface imperfections.

(43) PRODUCT-WEIGHTED MIR (PW-MIR) is the sum of all weighted-MIR for all ingredients in a Coating or material. 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,

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

where,

MIR = ingredient MIR; and

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

Definitions (c) (continued)

- Revised definition of Sealant for wire-sprayed aluminum based on industry product description
- Added new definition of South Coast AQMD Test Method for clarity and streamlining

(~~32~~46) SEALANT FOR WIRE-SPRAYED ALUMINUM COATING is ~~any coating~~Coating ~~of up to one mil (one mil = 0.001 of an inch) in thickness of an epoxy material that is reduced for application with an equal part of an appropriate solvent (e.g. naphtha or ethylene glycol monoethyl ether) formulated, labeled, and applied to seal pores, voids, and cracks in Wire-Sprayed Aluminum Coatings.~~

(49) 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).

Definitions (c) (continued)

- Added new definitions of Thermoplastic resin and thermoplastic foul deterrent coating definitions to provide clarity regarding proposed new coating categories
- Revised Transfer efficiency definition for consistency with other similar South Coast AQMD rules

(53) THERMOPLASTIC RESIN is a Resin that cures through solvent evaporation and not chemical reaction.

(54) THERMOPLASTIC FOUL DETERRENT COATING is a Coating formulated with a Thermoplastic Resin applied to the underwater portion of Vessels to prevent or reduce the attachment of biological organisms without the use of chemical substances such as pesticides or biocides.

(4056) TRANSFER EFFICIENCY ~~means-is~~ the amount-ratio of the weight or volume of coatingCoating solids adhering-that adheres to the object to the total weight or volume, respectively, being-coated-divided-by-the-total amount-of coatingCoating solids sprayed-used in the application process, expressed as a percentage.

Definitions (c) (concluded)

- Add new definition of Vessel for clarity regarding rule applicability and to distinguish between coating categories
- Revised definition of wire-sprayed aluminum to align with industry product description
- Add new definition of Wood coating for clarity with proposed new coating categories

- (58) VESSEL is any watercraft exposed to a marine or freshwater environment, including, but not limited to, ships, boats, submersibles, or submarines.
- (4359) VOLATILE ORGANIC COMPOUND (VOC) is as defined in Rule 102—~~Definition of Terms.~~
- (4460) WIRE-SPRAYED ALUMINUM COATING is ~~any~~ a protective molten multi-aluminum eCoating made by melting and atomizing aluminum wire that is applied to ~~a~~ steel substrates to protect from corrosion ~~using oxygen fueled combustion spray equipment.~~
- (61) WOOD COATING is any Coating applied to wood substrates. For the purpose of this rule Wood Coatings includes Clear Wood Sealers, Clear Wood Topcoats, Pigmented Wood Sealers, and Pigmented Wood Topcoats.

Requirements (d) – Marine Coatings

- Streamlined provision specifying prohibitions of manufacture, sale, use, possession, etc. of marine coatings containing VOC in excess of applicable VOC content limits
- Consistent with recently amended South Coast AQMD VOC rules

(d) Requirements

(1) VOC Content of Marine Coatings

~~Except as otherwise provided in this rule, a~~No person~~Person~~ shall ~~not~~ manufacture, supply, sell, offer for sale, market, blend, distribute, package, or repackage any Marine Coating for use within South Coast AQMD, nor shall any Person possess, store at a worksite, apply, or solicit the use of any marine coatingMarine Coating, including any VOC-containing material added to the Marine Coating, within ~~the~~ South Coast AQMD, ~~jurisdiction with a~~ that contains VOC ~~content~~ in excess of the ~~following~~applicable limits ~~shown~~specified in ~~the~~ Table 1 – Table of Standards ~~I~~ for Marine Coatings. Compliance with the applicable VOC content limits shall be based on VOC content, including any material added to the original Marine Coating supplied by the manufacturer, ~~that are~~ expressed as grams of VOC per liter of coating, as applied, less water and ~~exempt solvents~~Exempt Compounds.

Requirements (d) – Marine Coatings

- Consolidated antifoulant coating and gloss coating subcategories into single categories to align with U.S. EPA Marine Coatings CTG
- Added coating category for non-biocidal foul deterrent coatings and for primers

Table 1 – Standards for Marine Coatings **TABLE OF STANDARDS-I**

MARINE COATING CATEGORY <u>Marine Coating Category</u>	Regulatory VOC Content Limits (g/L-Coating) VOC LIMITS Less water and exempt compounds Grams- per Liter (g/L)	
	BAKED <u>Baked Coatings</u>	AIR-DRIED <u>Air Dried Coatings</u>
	CURRENT- LIMIT	CURRENT LIMIT
Antenna Coating		340
<u>Fouling Deterrent Coatings:</u>		
Antifoulant Coatings:		400
<u>Thermoplastic Foul Deterrent Coating</u>		400
— Aluminum Substrates		560
— Other Substrates		400
Inorganic Zinc Coating		340
Low Activation Interior Coating		420
Mist Coating		610
Navigational Aids Coating		340
Nonskid Coating		340
Organic Zinc Coating		340
<u>Undercoaters:</u>		
<u>Primer</u>	275	340
Pre Treatment <u>Pretreatment</u> Wash Primer	420	420 780
Repair and Maintenance Thermoplastic Coating		340
Sealant for Wire-Sprayed Aluminum <u>Coatings</u>		610
Special Marking Coating		420
Specialty Coatings:		
Heat Resistant Coating	360	420
High Temperature Coating		500
Tack Coating		610
Topcoats:		
Extreme High-Gloss Coating	420	490
High Gloss Coating	275	340
Undersea Weapons Systems Coating	275	340
Any Other Coating Type	275	340

Requirements (d) – Pleasure Craft Coatings

- Streamlined provision specifying prohibitions of manufacture, sale, use, possession, etc. of pleasure craft *and marine structure* coatings containing VOC in excess of applicable VOC content limits

(2) VOC Content of Pleasure Craft and Marine Structure Coatings
~~Except as otherwise provided in this rule, a~~No person~~Person~~ shall ~~not~~ manufacture, supply, sell, offer for sale, market, blend, distribute, package, or repackage any Pleasure Craft and Marine Structure Coating for use within South Coast AQMD, nor shall any Person possess, store at a worksite, apply or solicit the use of ~~any pleasure-craft-coating~~Pleasure Craft and Marine Structure Coating, including any VOC-containing material added to the Pleasure Craft and Marine Structure Coating, within ~~the~~ South Coast AQMD, ~~jurisdiction with a~~ that contains VOC ~~content~~ in excess of the ~~following~~applicable limits ~~shown~~specified in ~~the~~ Table 2 – Table of Standards-II for Pleasure Craft and Marine Structure Coatings. Compliance with the applicable VOC content limits shall be based on VOC content, including any material added to the original Pleasure Craft and Marine Structure Coating supplied by the manufacturer, ~~that are~~ expressed as grams of VOC per liter of coating, as applied, less water and ~~exempt solvents~~Exempt Compounds.

Requirements (d) (continued)

- Consolidated antifoulant coating, gloss coating, and primer subcategories
- Added coating category for non-biocidal foul deterrent coatings
- Restructured and subcategorized wood coatings based on sealer vs topcoat and clear vs pigmented
 - Consistent with similar coating categories in other South Coast AQMD rules

Table 2 – Standards for Pleasure Craft and Marine Structure Coatings

TABLE OF STANDARDS II

VOC LIMITS Less water and exempt compounds Grams per Liter (g/L)		
PLEASURE CRAFT COATING CATEGORY <u>Pleasure Craft and Marine Structure Coating Category</u>	CURRENT LIMIT <u>Regulatory VOC Content Limits (g/L-Coating)</u>	
	<u>Current Limit¹</u>	<u>Effective Date</u> 01/01/2029
<u>Fouling Deterrent Coatings:</u>		
Antifoulant Coatings:	330	
<u>Thermoplastic Foul Deterrent Coating</u>	400	
— Aluminum Substrate	560	
— Other Substrate	330	
Clear Wood Coatings:		
Sealers	550	
Varnishes	490	
<u>Clear Wood Sealers</u>	550	275
<u>Pigmented Wood Sealers</u>	550	275
<u>Clear Wood Topcoats</u>	490	275
<u>Pigmented Wood Topcoats</u>	490	275
Primer Coatings: <u>Undercoaters:</u>		
<u>Primer</u>	340	
— Finish Primer/Surfacer	420	
— High Build Primer/Surfacer	340	
— Marine Deck Sealant Primer	760	
Pretreatment Wash Primer	780	
— Teak Primer	775	
Topcoats:		
Extreme High Gloss Coating	490	
High Gloss Coating	420	
Any Other Coating Type	420	340

1. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

Requirements (d) – Low-Solids Coatings

- Streamlined provision specifying prohibitions of manufacture, sale, use, possession, etc. of low-solids coatings containing VOC in excess of applicable VOC content limit
- No changes proposed to the applicable VOC content limit

(3) VOC Content of Low-Solids Coatings

~~Except as otherwise provided in this rule, a~~No person~~Person~~ shall ~~not~~ manufacture, supply, sell, offer for sale, market, blend, distribute, package, or repackage any Marine Coating or Pleasure Craft and Marine Structure Coating for use within South Coast AQMD, nor shall any Person possess, store at a worksite, apply or solicit the use of ~~any marine coating~~Marine Coating or ~~a pleasure craft coating~~Pleasure Craft and Marine Structure Coating, within ~~the~~ South Coast AQMD, ~~jurisdiction with a~~ that contains VOC ~~content~~ in excess of the ~~following~~ limit shown~~specified~~ in ~~the~~Table 3 – Table of Standards III for Low-Solids Coatings. Compliance with the applicable VOC content limit shall be based on VOC content, including any material added to the original Coating supplied by the manufacturer, ~~that is~~ expressed as grams of VOC per liter of material of coating, or Actual VOC, as applied.

Table 3 – Standards for Low-Solids Coatings

TABLE OF STANDARDS III

<u>VOC LIMIT—MARINE & PLEASURE CRAFT COATINGS</u> <u>Grams per liter of material</u> <u>Material (g/L) VOC</u>	
<u>COATING CATEGORY</u> <u>Coating</u> <u>Category</u>	<u>CURRENT LIMIT</u> <u>Actual</u> <u>VOC Content Limit (g/L-</u> <u>Actual)</u>
Low-Solids Coating	120

Requirements (d) – Alternative PW-MIR VOC Limits

- Added table with proposed PW-MIR limits for pretreatment wash primers and wood coatings
- Alternative limits intended to address lack of strong pathway to lower VOC content limits
- Aligns with PW-MIR limits recently adopted in Rule 1136 – Wood Products Coatings

(4) Alternative PW-MIR VOC Content Limits

In lieu of complying with the applicable Table 1 or 2 Regulatory VOC content limit:

- (A) For Pretreatment Wash Primers, a Person may elect to manufacture, supply, sell, offer for sale, market, blend, distribute, possess, package, or repackage any Pretreatment Wash Primer for use within the South Coast AQMD, or apply a Pretreatment Wash Primer, provided it complies with the alternative PW-MIR VOC content limit in Table 4 – Alternative PW-MIR VOC Content Limits, as applied; or
- (B) For Wood Coatings, a Person may elect to manufacture, supply, sell, offer for sale, market, blend, distribute, possess, package, or repackage a Wood Coating for use within the South Coast AQMD, or apply a Wood Coating, provided it complies with the alternative PW-MIR VOC content limits in Table 4, as applied.

Table 4 – Alternative PW-MIR VOC Content Limits

<u>Coating Category</u>	<u>g O₃/g Product</u>
<u>Pretreatment Wash Primers</u>	<u>1.80</u>
<u>Wood Coatings</u>	
<u>Clear Wood Sealers</u>	<u>0.53</u>
<u>Pigmented Wood Sealers</u>	<u>0.60</u>
<u>Clear Wood Topcoats</u>	<u>0.53</u>
<u>Pigmented Wood Topcoats</u>	<u>0.46</u>

Requirements (d) – VOC Limit Reductions

- Sell-through and use-through periods included for wood coatings manufactured prior to January 1, 2029
 - Sell-through period spans 12 months after applicable future effective date
 - Use-through period spans 24 months after applicable future effective date

(5) Sell-Through and Use-Through for Coatings with VOC Limit Reductions
Any Pleasure Craft and Marine Structure Coating that is manufactured prior to the future Effective Date of the applicable VOC content limit specified in Table 2, and that has a VOC content above that limit, but no more than the Current Limit, may be sold, supplied, or offered for sale for up to 12 months after the applicable Effective Date and used up to 24 months after the applicable Effective Date.

Requirements (d) (cont)

- Provision included specifying coating categories to be consolidated and their corresponding subsuming categories
 - Antifoulant coatings formulated for aluminum substrates
 - Finish primer surfacers
 - Extreme high-gloss topcoats
 - Marine deck sealant primers
 - Teak primers

(6) Coatings Belonging to Former Coating Categories

Coatings belonging to the following Former Coating Categories listed in Table 5 – Former Coating Categories and Schedule that contain VOCs in excess of the applicable Consolidated Category VOC Limit listed in Table 5 may be supplied, sold, offered for sale, marketed, blended, distributed, packaged, or repackaged for use within South Coast AQMD, and may be possessed, stored at a worksite, applied or solicited for use in the South Coast AQMD until January 1, 2029, provided they do not contain VOC in excess of the Former VOC Limit listed in Table 5:

- (A) Antifoulant Coatings formulated for application to aluminum substrates;
- (B) Finish Primer/Surfacer;
- (C) Extreme High Gloss Coating;
- (D) Marine Deck Sealant Primer; and
- (E) Teak Primer.

Requirements (d) – Former Coating Categories

- Sell-through and use-through periods included for coatings of former coating categories and manufactured prior to January 1, 2029
 - Sell-through period spans 12 months after category sunset date
 - Use-through period spans 24 months after category sunset date

(7) Sell-Through and Use-Through Periods for Coatings Belonging to Former Coating Categories
Any Coating belonging to any Former Coating Category listed in Table 5 that is manufactured prior to January 1, 2029, that contains VOCs below the Former VOC Limit (g/L-Coating) may be sold, supplied, or offered for sale until the Sell-Through End Date and used until the Use-Through End Date, after which the limits in Tables 1 and 2 apply.

Requirements (d) (continued)

- Table 5 illustrates:
 - Coating categories to be subsumed (former coating categories)
 - New consolidated category
 - Future effective VOC content limit
 - Initial category sunset date
 - Sell-through and use-through periods

Table 5: Former Coating Categories and Schedule

<u>Former Coating Category</u>	<u>Consolidated Coating Category</u>	<u>Former VOC Limit (g/L-Coating)¹</u> <u>Effective Until January 1, 2029</u>	<u>Sell-Through End Date²</u>	<u>Use-Through End Date²</u>	<u>Consolidated Category VOC Limit (g/L-Coating)²</u> <u>Effective on and after January 1, 2029</u>
<u>Marine Coatings</u>					
<u>Antifoulant Coatings for Aluminum Substrates</u>	<u>Antifoulant Coatings</u>	<u>560</u>	<u>January 1, 2030</u>	<u>January 1, 2031</u>	<u>400</u>
<u>Extreme High Gloss Coating</u>	<u>High Gloss Coating</u>	<u>420</u>			<u>340</u>
<u>Pleasure Craft and Marine Structure Coatings</u>					
<u>Antifoulant Coatings for Aluminum Substrates</u>	<u>Antifoulant Coatings</u>	<u>560</u>	<u>January 1, 2030</u>	<u>January 1, 2031</u>	<u>400</u>
<u>Extreme High Gloss Coating</u>	<u>High Gloss Coating</u>	<u>490</u>			<u>420</u>
<u>Finish Primer/Surfacer</u>	<u>Primers</u>	<u>420</u>			<u>340</u>
<u>Marine Deck Sealant Primer</u>	<u>Clear or Pigmented Wood Sealers</u>	<u>760</u>			<u>275</u>
<u>Teak Primer</u>		<u>775</u>			
<u>Sealers</u>		<u>550</u>			
<u>Varnishes</u>	<u>Clear or Pigmented Wood Topcoats</u>	<u>490</u>			<u>275</u>

1. The higher VOC limits allowed until January 1, 2029, are only applicable to the Former Coating Categories.

2. The specified sell-through and use-through periods are applicable to the coatings listed under the Former Coating Category column and which were manufactured prior to January 1, 2029.

Requirements (d) (cont)

- Alternative emission control plan paragraph moved to its own separate subdivision
 - Consistent with structure of other rules
- Restructured exempt compounds and carcinogenic materials paragraphs and moved to subdivision (f)

~~(5) — Alternative Emission Control Plan~~

~~A person may comply with the provisions of paragraphs (d)(1), (d)(2) and (d)(3) by means of an Alternative Emission Control Plan, pursuant to Rule 108 — Alternative Emissions Control Plans.~~

~~(6) — Exempt Compounds~~

~~A person shall not manufacture, sell, offer for sale, distribute for use in the South Coast AQMD jurisdiction, or apply any marine or pleasure craft coating which contains any Group II Exempt Compounds listed in Rule 102 — Definition of Terms, in quantities greater than 0.1 percent by weight. Cyclic, branched, or linear, completely methylated siloxanes (VMS) are not subject to this provision.~~

~~(7) — Carcinogenic Materials~~

~~A person shall not manufacture, sell, offer for sale, distribute for use in the South Coast AQMD jurisdiction, or apply any marine or pleasure craft coating which contains cadmium, nickel, lead or hexavalent chromium that was introduced as a pigment or as an agent to impart any property or characteristic to the marine or pleasure craft coatings during manufacturing, distribution, or use of applicable marine or pleasure craft coatings.~~

Requirements (d) (cont)

- Restructured and streamlined application equipment transfer efficiency provisions
- No fundamental changes being proposed

(89) Application Equipment Transfer Efficiency

~~(A) — A person~~ Person shall ~~not~~ apply any ~~marine coating~~ Marine Coating or ~~pleasure craft coating~~ Pleasure Craft and Marine Structure Coating using properly operating equipment, operated according to procedures specified by the equipment manufacturer, and in compliance with the applicable permit conditions, if any, and by the use of ~~unless~~ one of the following methods ~~of coating transfer is used~~:

~~(iA)~~ (iA) Electrostatic application; ~~or~~

~~(iiB)~~ (iiB) ~~High volume, low pressure~~ High-Volume, Low-Pressure (HVLP) spray; ~~or~~

~~(iiiC)~~ (iiiC) Brush, dip, or roller; or

~~(iv) — Spray gun application, provided the owner or operator demonstrates that the spray gun meets the HVLP definition in paragraph (c)(18) in design and use. A satisfactory demonstration must be based on the manufacturer's published technical material on the design of the spray gun and by a demonstration of the operation of the spray gun using an air pressure tip gauge from the manufacturer of the spray gun; or~~

~~(vD)~~ (vD) Any such other ~~marine coating~~ Marine Coating or ~~pleasure craft coating~~ Pleasure Craft and Marine Structure Coating application methods as demonstrated, in accordance with the provisions of paragraph ~~(g)(h)~~ (h)(6), to the Executive Officer to be capable of achieving equivalent or better ~~transfer efficiency~~ Transfer Efficiency than the ~~marine coating~~ Marine Coating or ~~pleasure craft coating~~ Pleasure Craft and Marine Structure Coating application method listed in ~~clause (d)(8)(A)(ii)~~ subparagraph (d)(9)(B), provided written approval is obtained from the Executive Officer prior to use.

~~(B) — A person shall not apply any marine coating or pleasure craft coating by any of the methods listed in subparagraph (d)(8)(A) unless such coating is applied with properly operating equipment, operated according to procedures recommended by the manufacturer and in compliance with applicable permit conditions, if any.~~

Alternative Emission Control Plan (e)

(e) Alternative Emission Control Plan

- (1) A Person may comply with the provisions of paragraphs (d)(1), (d)(2), (d)(3), and (d)(6) by means of an Alternative Emission Control Plan pursuant to Rule 108 – Alternative Emissions Control Plans.
- (2) A Person may supply, sell, or offer for sale Marine Coatings or Pleasure Craft and Marine Structure Coatings that exceed the VOC content limits in paragraphs (d)(1), (d)(2), (d)(3), and (d)(6) to a Person complying with paragraph (e)(1) provided that written documentation stating that the Person purchasing the Coatings is complying with an approved Alternative Emission Control Plan pursuant to paragraph (e)(1) is provided to the Person supplying, selling, or offering for sale the Marine Coatings or Pleasure Craft and Marine Structure Coatings.

- Alternative emission control plan paragraph moved to its own separate subdivision
 - Consistent with structure of other rules
- Added reference to paragraph (d)(6) to clarify that a person may comply using alternative emission control plan
- Added paragraph clarifying provisions for retailers, suppliers and distributors of coatings

Prohibitions of Possession, Specification and Sale (f)

- Moved exempt compounds and carcinogenic materials paragraphs to subdivision (f)
- Added language prohibiting the possession, use, supply, sale or offer for sale of marine coatings, pleasure craft and marine structure coatings, and colorants containing pCBtF and/or t-BAc
- Added VMS to prohibition with higher upper concentration threshold
 - Found in trace amounts in silicone-based coatings

(ef) Prohibition of Possession, Specification and Sale

- (1) ~~No~~ ~~For the purpose of this rule, no person~~ Person shall supply, sell, market, blend, distribute, package, repackage, possess, apply, or solicit for use any store at a worksite any marine coating Marine Coating, ~~or pleasure craft coating~~ Pleasure Craft and Marine Structure Coating, or Colorant subject to this rule for use within ~~the~~ South Coast AQMD, ~~jurisdiction that is not in compliance with the requirements shown in the Tables of Standards of paragraphs (d)(1), (d)(2), and (d)(3) unless the following condition applies: that contains any of the following chemicals in concentrations greater than the limits indicated below:~~
 - ~~(A) The marine or pleasure craft coating is for use at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to paragraph (d)(5), and the marine or pleasure craft coating is specified in the plan.~~
 - (A) 0.01 percent by weight of Group II Exempt Compounds, except for cyclic, branched, or linear, completely methylated siloxanes (VMS);
 - (B) 0.1 percent by weight of any VMS; or
 - (C) 0.01 percent by weight of para-Chlorobenzotrifluoride (pCBtF, CAS RN 98-56-5) or tert-Butyl Acetate (t-BAc, CAS RN 540-88-5) that was manufactured after the applicable Final Manufacture Date in Table 6 – pCBtF and t-BAc Prohibition Timelines, including any VOC-containing materials added to the original Marine Coating, Pleasure Craft and Marine Structure Coating, or Colorant.

Prohibitions (f) – pCBtF and t-BAc Prohibition Timeline

- Added subparagraph clarifying sell-through and use-through periods for marine coatings and pleasure craft and marine structure coatings containing pCBtF and/or t-BAc manufactured prior to applicable final manufacture date

(2) Sell-Through and Use-Through Provisions

Any Marine Coating, Pleasure Craft and Marine Structure Coating, or Colorant that is manufactured prior to the applicable Table 6 Final Manufacture Date, that contains more than 0.01 percent by weight of pCBtF and/or t-BAc, may be sold, supplied, or offered for sale until the applicable Table 6 Sell-Through Date and may be possessed, used, or solicited for use until the applicable Table 6 Use-Through Date.

Prohibitions (f) (cont)

- Added table to further specify and illustrate final manufacture date for marine coatings, pleasure craft and marine structure coatings, and colorants containing pCBtF and/or t-BAc
- Table includes sell-through and use-through periods for coatings and colorants manufactured prior to applicable final manufacture date

Table 6: pCBtF and t-BAc Prohibition Timelines

<u>Category¹</u>	<u>Final Manufacture Date¹</u>	<u>Sell-Through End Date</u>	<u>Use-Through End Date</u>
<u>Antifoulant Coatings</u>	<u>January 1, 2031</u>	<u>January 1, 2032</u>	<u>January 1, 2033</u>
<u>Colorants and Wood Coatings</u>	<u>January 1, 2030</u>	<u>January 1, 2031</u>	<u>January 1, 2032</u>
<u>Primers</u>	<u>June 1, 2027</u>	<u>June 1, 2028</u>	<u>June 1, 2029</u>
<u>All Other Coating Categories</u>	<u>January 1, 2028</u>	<u>January 1, 2029</u>	<u>January 1, 2030</u>

Prohibitions (f) (cont)

- Moved prohibitions of possession, sale and specification of coatings and colorants containing carcinogenic compounds
- No fundamental changes made to provision

(3) No Person shall supply, sell, market, blend, distribute, package, repackage, possess, apply, or solicit for use any Marine Coating, Pleasure Craft and Marine Structure Coating, or Colorant for use within South Coast AQMD, that contains cadmium, nickel, lead or hexavalent chromium that was introduced as a pigment or as an agent to impart any property or characteristic to the Marine Coating, Pleasure Craft and Marine Structure Coating, or Colorant during manufacturing, distribution, or use of applicable Marine Coatings, Pleasure Craft and Marine Structure Coatings, or Colorants.

Prohibitions (f) (cont)

- Provisions moved to subdivision (d) to streamline rule language
 - Consistent structure as similar South Coast AQMD rules

- ~~(A) — The marine or pleasure craft coating is for use at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to paragraph (d)(5), and the marine or pleasure craft coating is specified in the plan.~~
- ~~(2) — For the purpose of this rule, no person shall solicit from, specify, or require any other person to use in the South Coast AQMD jurisdiction any marine or pleasure craft coating that does not meet the following:~~
- ~~(A) — Applicable VOC limits required by paragraph (d)(1), (d)(2) or (d)(3) for the specific application unless:~~
- ~~(i) — The marine or pleasure craft coating is located at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to paragraph (d)(5), and the marine or pleasure craft coating is specified in the plan.~~
- ~~(B) — The requirements of paragraphs (d)(6) and (d)(7).~~
- ~~(3) — For the purpose of this rule, no person shall supply, sell, offer for sale, market, blend, package, repackage or distribute any marine or pleasure craft coating for use within the South Coast AQMD jurisdiction subject to the provisions in this rule that does not meet the:~~
- ~~(A) — Applicable VOC limits required by paragraphs (d)(1), (d)(2) and (d)(3) for the specific application, unless:~~
- ~~(i) — The marine or pleasure craft coating is for use at a facility that operates in accordance with an approved Alternative Emissions Control Plan pursuant to paragraph (d)(6), and the marine or pleasure craft coating is specified in the plan; and,~~
- ~~(B) — The requirements of paragraphs (d)(6) and (d)(7).~~

Prohibitions (f)

- Moved paragraph to exemptions subdivision for rule structure consistency

~~(6) Paragraphs (d)(1), (d)(2) and (d)(3) shall not apply to marine coatings or pleasure craft coatings that are sold, offered for sale, or solicited, for shipment or use outside of the South Coast AQMD jurisdiction, or for shipment to other manufacturers for repackaging provided such coatings are sold, offered for sale, or solicited, for shipment or use outside the South Coast AQMD jurisdiction.~~

Administrative and Recordkeeping Requirements (g)

- Added basic recordkeeping requirements necessary for rule enforcement
- Rule 109 does not require the added recordkeeping criteria in the daily recordkeeping option
- Note: Both Rules 109 and Rule 1106 exempts materials containing 50 g/L or less

~~(f)~~(g) Administrative and Recordkeeping Requirements

(1) Recordkeeping for VOC Emissions

Notwithstanding the provisions of subdivision ~~(f)~~(g), records of ~~marine coating~~Marine Coating usage and ~~pleasure-craft-coating~~Pleasure Craft and Marine Structure Coating usage, as applicable, shall be maintained pursuant to ~~South Coast AQMD~~ Rule 109 - Recordkeeping for Volatile Organic Compound Emissions, ~~and shall be made available to the Executive Officer upon request.~~ and shall at a minimum include the following information:

- (A) Coating or Colorant name and manufacturer;
- (B) Applicable Coating category and whether the product is intended for Marine or Pleasure Craft use, or both, or Marine Structure use; and
- (C) Purchase records identifying the purchase date, Coating or Colorant name, total volume of Coating or Colorant purchased, and company name of seller that each Marine Coating, Pleasure Craft and Marine Structure Coating, or Colorant was purchased from.

Administrative and Recordkeeping Requirements (g)

- Added basic labeling requirements necessary for rule enforcement
- PW-MIR labeling requirement only required if manufacturer elects to comply with alternative PW-MIR limit
- Added reference to South Coast AQMD Rule 443.1

(2) Labeling Requirements

Notwithstanding the provisions of subdivision (j), Marine Coatings, Pleasure Craft and Marine Structure Coatings, and Colorants shall comply with the labeling provisions of Rule 443.1 – Labeling of Materials Containing Organic Solvents, and on and after January 1, 2028, the manufacturer of Marine Coatings, Pleasure Craft and Marine Structure Coatings, or Colorants shall include the following information on all product containers:

- (A) Applicable Coating category;
- (B) Whether the product is intended for Marine or Pleasure Craft use, or both, or Marine Structure use;
- (C) Date of manufacture of the Coating or Colorant, or a code indicating the date of manufacture. The manufacturer shall file an explanation of each code with the Executive Officer; and
- (D) The PW-MIR VOC content of a Pretreatment Wash Primer or Wood Coating if the manufacturer of a Pretreatment Wash Primer or Wood Coating elects to comply with any of the alternative PW-MIR VOC content limits in paragraph (d)(4).

Test Methods (h)

- Test methods subdivision restructured to streamline and align with structure of similar South Coast AQMD rules

~~(g)~~(h) Test Methods

(1) Determination of VOC Content:

The VOC content of ~~coatings~~Coatings, subject to the provisions of this rule shall be determined by the following methods:

- (A) United States Environmental Protection Agency (U.S. EPA) Reference Test Method 24 ~~— (Determination of Volatile Matter Content, Water Content, Volume Solids and Weight Solids of Surface Coatings, Title 40, Code of Federal Regulations, Title 40, Part 60, Appendix A).~~ The ~~exempt—compounds'~~Exempt Compounds' content shall be determined by South Coast AQMD ~~Laboratory—Test Method 303 — (Determination of Exempt Compounds)—contained in the South Coast AQMD "Laboratory Methods of Analysis for Enforcement Samples" manual; or,~~
- (B) South Coast AQMD Method 304 ~~— [Determination of Volatile Organic Compounds (VOCs) in Various Materials]~~~~contained in the South Coast AQMD "Laboratory Methods of Analysis for Enforcement Samples" manual; or,~~
- (C) South Coast AQMD Method 313 ~~— [Determination of Volatile Organic Compounds (VOC) by Gas Chromatography—/Mass Spectrometry]~~/Flame Ionization Detection (GC/MS/FID)~~in the South Coast AQMD's "Laboratory Methods of Analysis for Enforcement Samples" manual.~~

Test Methods (h)

- Test methods provisions for specified exempt compounds restructured to streamline and align with structure of similar South Coast AQMD rules

(3) Exempt Perfluorocarbon Compounds

The following classes of compounds shall be analyzed as Exempt Compounds for compliance with subdivision (d), only at such time as manufacturers specify which individual compounds are used in the formulation of the Coatings subject to this rule and identify the test methods, which have been approved by the U.S. EPA, California Air Resources Board (CARB) and the Executive Officer prior to such analysis, that can be used to quantify amounts of each Exempt Compound:

- (A) Cyclic, branched, or linear, completely fluorinated alkanes;
- (B) Cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;
- (C) Cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and
- (D) Sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine;

~~shall be analyzed as exempt compounds for compliance with subdivision (d), only at such time as manufacturers specify which individual compounds are used in the formulation of the coatings subject to this rule. In addition, prior to any such analysis, the manufacturers shall also identify the test methods approved by the U.S. EPA, California Air Resources Board (CARB), and the South Coast AQMD that will be used to quantify the amount of each exempt compound.~~

Test Methods (h)

- Added provision specifying approved test methods for gloss and viscosity determination of coatings

(7) Gloss Determination

The gloss of Marine Coatings and Pleasure Craft and Marine Structure Coatings shall be determined by ASTM Test Method D523.

(8) Viscosity Determination

The viscosity of Marine Coatings and Pleasure Craft and Marine Structure Coatings shall be determined by ASTM Test Method D1200 – Standard Test Method for Viscosity by Ford Viscosity Cup or ASTM Test Method D5125 – Standard Test Method for Viscosity of Paints and Related Materials by ISO Flow Cups.

Test Methods (h)

- Added provision allowing equivalent test methods to be used as long approved by the U.S. EPA, CARB, and South Coast AQMD Executive Officer as defined.

(10) Equivalent Test Methods

Other test methods may be used provided they are determined to be equivalent and approved in writing by the U.S. EPA, CARB, and the South Coast AQMD Executive Officer.

Exemptions (j)

- Revised exemption for coatings that contain 50 g/L or less VOC
 - Test method requirements and prohibitions of carcinogenic materials and Group II Exempts still applicable
- Revised and narrowed exemption for touch-up coatings
- Added exemption for coatings used in research and development labs
 - Similar exemption in other similar South Coast AQMD rules

~~(d)~~(1) Exemptions

(1) With the exception of ~~paragraphs (d)(6) and (d)(7)~~ subdivisions (f) and (h), the provisions of this rule shall not apply to:

~~(1)~~ Marine Coatings or ~~pleasure-craft coatings~~ Pleasure Craft and Marine Structure Coatings that have a VOC content of 50 g/L or less, or its equivalent, less water and exempt compounds, as applied.

(2) The provisions of paragraphs (d)(1), (d)(2), (d)(3), and (d)(6) shall not apply to:

~~(2)(A)~~ Marine ~~coatings~~ Coatings applied to interior surfaces of potable water containers;

~~(3)(B)~~ ~~Touch-up coatings, as defined by paragraph (c)(39) of this rule.~~ Any Marine Coating or Pleasure Craft and Marine Structure Coating that is supplied, sold, offered for sale, marketed, manufactured, blended, packaged or repackaged for use within the South Coast AQMD in half pint or smaller containers and is applied by brush or air brush to cover minor imperfections or minor mechanical damage incurred after a Vessel is manufactured and prior to purchase and initial use;

(C) Marine Coatings or Pleasure Craft and Marine Structure Coatings which are applied to test specimens in laboratories for purposes of research, development, quality control, and testing for production-related operations; or

Exemptions (j)

- Moved polyester resin coating exemption to exemptions subdivision
- Added exemption for coatings applied to piers and bridges, and coatings applied to the above-waterline portions of permanently docked vessels serving as stationary businesses
 - These coatings are subject to Rule 1113 – Architectural Coatings

- (3) The provisions of paragraph (d)(9) shall not apply to Marine Coatings or Pleasure Craft and Marine Structure Coatings with a viscosity of 650 centipoise or greater, as applied, as determined pursuant to paragraph (h)(8).
- (4) The provisions of this rule shall not apply to:
 - (A) Aerosol Coating Products;
 - (B) Unsaturated polyester resin or fiberglass Coatings, which are subject to Rule 1162 – Polyester Resin Operations; or
 - (C) Coatings applied to piers, bridges, and above the waterline portions of permanently docked Vessels serving as a stationary business, which are subject to Rule 1113 – Architectural Coatings.

Exemptions (j)

- Exemption added for prohibition of possession of marine and pleasure craft coatings temporarily stored, reformulated, and/or repackaged within South Coast AQMD but are sold and used outside of South Coast AQMD jurisdiction

(5) The prohibitions of possessing and repackaging Marine Coatings and Pleasure Craft and Marine Structure Coatings in paragraphs (d)(1), (d)(2), (d)(3), (d)(6), and (f)(1) shall not apply to Marine Coatings or Pleasure Craft and Marine Structure Coatings that are shipped into the South Coast AQMD to be temporarily stored, reformulated, or repackaged, provided the Coatings will be sold and used outside of the South Coast AQMD.

Emission Reductions

- Staff anticipates VOC emission reductions of approximately 23.9 pounds per day
 - Phasing out pCBtF and t-BAC will also reduce toxicity
- Proposed PW-MIR VOC limits for select coating categories intended to be equivalent to the applicable mass-based VOC content limits
 - No anticipated increase in the ozone generating potential



Socioeconomic Impacts and California Environmental Quality Act (CEQA)

Socioeconomic Impact Assessment

- Analysis will consider:
 - Types of affected industries, including small businesses
 - Range of probable costs, including costs to industry or businesses
 - Other items typically included in socioeconomic impact assessment
- Socioeconomic Impact Assessment will be prepared and released for public review and comment at least 30 days prior to the Board Hearing for PAR 1106, which is scheduled for November 6, 2026 (subject to change)

California Environmental Quality Act (CEQA)

- PAR 1106 is a project subject to CEQA
- South Coast AQMD, as lead agency, is reviewing PAR 1106 to determine if it will result in any potential adverse environmental impacts
- Appropriate CEQA documentation will be prepared based on the analysis

Next Steps

Written Comments Requested by September 11, 2026



Stationary Source Committee September 18, 2026



Set Hearing on October 2, 2026



Public Hearing on November 6, 2026

Working Group Materials

- Working group materials for each working group meeting will be made available:
<https://www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book/proposed-rules>

The screenshot shows the South Coast AQMD website. The top navigation bar includes links for Language, F.I.N.D., About, Contact, Grants & Bids, Online Services, I'm Looking For, Sign Up, and a Search bar. The main navigation menu features links for AIR QUALITY, INCENTIVES & PROGRAMS, RULES & COMPLIANCE (which is highlighted), PERMITS, NEWS, WEBCASTS, & CALENDAR, TECHNOLOGY ADVANCEMENT, RESOURCES, and MEETING AGENDAS & MINUTES. The breadcrumb trail reads: Home / Rules & Compliance / Rules / South Coast AQMD Rule Book / Proposed Rules. The page title is 'Proposed Rules and Proposed Rule Amendments'. On the left, there is a sidebar with links: Proposed Rules, Guide to South Coast AQMD Rules, Archived, and Recent Actions. The main content area contains the following text:

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.

Information associated with the rule development process for rules that were adopted or amended within the past five years can be found on our [Archived Page](#).

Please refer to the [South Coast AQMD Rule Book](#) to obtain the current list of adopted or amended rules and regulations.

For current rule forecast please see the monthly [Governing Board Agenda](#).

Rule Name	Description
Regulation III	Fee Rules
Rule 218.2 and Rule 218.3	Proposed Rule 218.2 - Continuous Emission Monitoring System: General Provisions Proposed Rule 218.3 - Continuous Emission Monitoring System: Performance Specifications

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Future meeting notices, links to
documents, and any updates will
be sent via email

During this difficult time, South Coast AQMD is committed to protecting air quality and public health. Please visit our COVID-19 page for the operational updates and latest information. [Learn more.](#)

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☐ Environmental Justice Conference	Interest in attending a South Coast AQMD EJ Conference (More Information - TBD)
☐ South Coast AQMD News	Brief updates highlighting what is current at South Coast AQMD, such as conferences, equipment exchanges, advisories, etc.

Rule Updates:

☐ Rule 1106	Marine and Pleasure Craft Coatings
☐ Rule 1107	Coating of Metal Parts and Products
☐ Rule 1109.1	Refinery Equipment

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Public Comments and/or Questions