

# 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

## WORKING GROUP MEETING #2



South Coast AQMD  
June 1, 2022  
1:00 PM

**Join Zoom Webinar Meeting:**

<https://scaqmd.zoom.us/j/99609769623>

**Zoom Webinar ID: 996 0976 9623**

**Teleconference Dial In: +1 669 900 6833**

# Agenda

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Working Group Meeting #1 Recap

Proposed Rule Language

Preview of Rule Restructuring

Preview of Rule 222 Amendments

Stakeholder Comment

Next Steps

# Working Group Meeting #1 Recap

## Staff Provided:

Overview of  
U.S. EPA  
Comments

- Include additional recordkeeping and exemption demonstration requirements
- Remove Rule 222 references
- Edit to improve clarity

UV/EB/LED  
Provisions

- Governing Board directive to review UV/EB/LED provisions based on RadTech comments
- Summary of current Rule 219 UV/EB/LED exemptions
- Preliminary concepts for additional provisions

# Proposed Rule Language

- To address U.S. EPA comments, staff anticipates extensive changes to Rule 219
- Staff will present sections of rule language over multiple working group meetings to better facilitate discussion
- During this Working Group Meeting, staff will discuss proposed rule language for the following:
  - Including new UV/EB/LED exemptions
  - Removing Rule 222 references
  - Enhancing Recordkeeping provisions
  - Separating the Test Method provisions
  - Removing archaic provisions in Compliance Dates subdivision
  - Demonstrating equipment is exempt from obtaining a written permit

# New UV/EB/LED Exemptions

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- As discussed in Working Group Meeting #1, South Coast AQMD staff was directed by the Governing Board to review Rule 219 provisions for UV/EB/LED equipment
- Staff proposing additional amendments that would exempt modifications to the printing and coating processes from requiring a permit in specific instances where there are:
  - No emissions or throughput increases above the permitted limits
  - No addition of toxics
  - No physical modification of the equipment listed in the existing Permit to Operate

# New UV/EB/LED Exemption Language

- Subdivision (h) – Printing and Reproduction Equipment

- (8) The addition of UV/EB/LED curing technology, or other technology, to existing permitted graphic arts equipment or operations if:
- (A) Emissions or throughput do not increase above permitted limits;
  - (B) Any inks, coatings, solvents, or other materials associated with the technology do not contain toxic air contaminants; and
  - (C) There is no physical modification to the equipment, operation, or air pollution control system listed on the existing Permit to Operate, excluding the addition of UV/EB/LED curing equipment operated exclusively using electrical power.

New  
UV/EB/LED  
Exemption  
Language  
*(continued)*

- Subdivision (I) - Coating and Adhesive Process/Equipment

- (12) The addition of UV/EB/LED curing technology, or other technology, to existing permitted coating equipment or operations if:
- (A) Emissions or throughput do not increase above permitted limits;
  - (B) Any coatings, solvents, or other materials associated with the technology do not contain toxic air contaminants; and
  - (C) There is no physical modification to the equipment, operation, or air pollution control system listed on the existing Permit to Operate, excluding the addition of UV/EB/LED curing equipment operated exclusively using electrical power.

# Remove Rule 222 References

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- Several Rule 219 provisions require Rule 222 registration to qualify for permitting exemptions
- U.S. EPA recommends Rule 219 be a standalone regulation without referencing Rule 222
  - Allows the registration program under Rule 222 to be tailored to meet local needs
- Staff agrees with U.S. EPA's suggestion and will remove requirements for Rule 222 registration in Rule 219
- To ensure facilities are aware of the Rule 222 registration requirements, staff proposing to add language to the Purpose subdivision



# Remove Rule 222 References *(continued)*

Example of a Rule 222 reference being removed:

- Subdivision (b) – Combustion and Heat Transfer Equipment:

(3) Portable diesel fueled heaters, with a rated maximum heat input capacity of 250,000 Btu per hour or less, and that are equipped with burner(s) designed to fire exclusively on diesel fuel only ~~provided a filing pursuant to Rule 222 is submitted to the Executive Officer.~~

# Remove Rule 222 References (continued)

- Clarification language added to Rule 219 Purpose paragraph

## Purpose

The purpose of this rule is to identify equipment, processes, or operations that emit small amounts of air contaminants that shall not require written permits, unless such equipment, process or operation is subject to subdivision (s) – Exceptions. ~~In addition, exemption from written permit requirements in this rule is only applicable if the equipment, process, or operation is in compliance with subdivision (t).~~ Even if equipment, processes, or operations are exempt from obtaining a written permit, an owner or operator may be required to register and submit information regarding equipment, processes, and operations listed in this rule as required by Rule 222 – Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II.

# Enhanced Recordkeeping Requirements

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- Subdivision (t) currently requires recordkeeping per Rule 109 – Recordkeeping for Volatile Organic Compound Emissions
  - No mention of recordkeeping requirements for non-VOC requirements
- U.S. EPA commented that more recordkeeping requirements are needed to demonstrate Rule 219 thresholds are not being exceeded
- Proposed recordkeeping language has inclusive list of requirements
  - Makes the implicit requirements explicit
  - Requires records to be maintained for 5 years and made available upon request

## Subdivision (t) – Recordkeeping

- (1) Any ~~person~~ owner or operator claiming an exemption(s) under the any provisions of this Rule shall ~~provide adequate~~ maintain daily or monthly records pursuant to Rule 109 and any applicable Material Safety Data Sheets (MSDS), to verify and maintain any the exemption. The records shall include, if applicable, but not be limited to:
  - (A) VOC-containing material throughput or emissions, maintained pursuant to Rule 109;
  - (B) Any purchase and/or usage records of hazardous air pollutants as defined pursuant to 42 United States Code 7412 (b) effective as of [*Date of Rule Amendment*];
  - (C) Hours of operation;
  - (D) Materials used or processed;
  - (E) Fuel type and usage;
  - (F) Throughput;
  - (G) Operating parameters;
  - (H) Manufacturers specifications;
  - (I) Rating plate; and
  - (J) Safety Data Sheets.
- (2) All records shall be maintained onsite for five years and made available to the Executive Officer upon request.

# Separate Test Method Provisions

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- Subdivision (t) - Recordkeeping currently references test methods:

Any test method used to verify the percentages, concentrations, vapor pressures, etc., shall be the approved test method as contained in the District's Test Method Manual or any method approved by the Executive Officer, CARB, and the EPA.

- Subdivisions (h), (j), and (l) also contain language regarding test methods
- Proposal is to consolidate language into subdivision (u) – Test Methods
- The clarification does not result in any additional requirements

# Separate Test Methods Provision *(continued)*

- Example of removed test method language:

(j) (13) ~~VOC emissions shall be determined using test methods approved by the District, CARB and U.S. EPA. In the absence of approved test methods, the applicant can submit VOC calculation procedures acceptable to the District.~~

- New subdivision (u) – Test Methods

(u) All test methods used to verify the percentages, concentrations, vapor pressures, etc., shall be the approved test method as contained in South Coast AQMD’s Test Method Manual or any method approved by the Executive Officer, CARB, and the U.S. EPA. In the absence of approved test methods, the applicant can submit VOC calculation procedures acceptable to the Executive Officer, including, but not limited to, product formulation data.

# Subdivision (v) - Compliance Dates

*[formerly subdivision (u)]*

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- Establishes due dates for permit applications when equipment no longer qualifies for exemption
- Paragraphs (2) through (6) were added in 2004 to establish permit application due dates for previously exempt agricultural units
  - Due dates have long passed, and staff will remove the archaic provisions

# Changes to Compliance Dates Language *(continued)*

- Removed paragraphs (2) through (6), which had outdated permit submittal dates for agricultural units

- ~~(2) Agricultural sources constructed or operating prior to January 1, 2004 requiring Title V permits shall submit Title V permit applications on or before June 29, 2004.~~
- ~~(3) Existing agricultural permit units constructed or operating prior to January 1, 2004 at agricultural sources requiring Title V permits and requiring written permits pursuant to paragraph (q)(1) shall submit applications for a Permit to Operate by December 17, 2004. For the purpose of Rule 301(e), emissions from agricultural permit units subject to this paragraph shall be considered “permitted” July 1, 2005.~~
- ~~(4) Existing agricultural permit units constructed or operating prior to January 1, 2004 at agricultural sources not subject to Title V with actual emissions equal to or greater than the amounts listed in the table in subdivision (q) and requiring written permits pursuant to paragraph (q)(2) shall submit applications for a Permit to Operate by June 30, 2005. For the purpose of Rule 301(e), emissions from agricultural permit units subject to this paragraph shall be considered “permitted” July 1, 2005.~~
- ~~(5) Agricultural permit units built, erected, altered, modified, installed or replaced after January 1, 2004, but prior to January 1, 2005 if written permits are required pursuant to subdivision (q), shall submit applications for a Permit to Operate by March 5, 2005. For the purpose of Rule 301(e), emissions from agricultural permit units subject to this paragraph shall be considered “permitted” July 1, 2005.~~
- ~~(6) Agricultural permit units built, erected, altered, modified, installed or replaced on or after January 1, 2005, if written permits are required pursuant to subdivision (q) shall comply with Rule 201. For the purpose of Rule 301(e), emissions from agricultural permit units subject to this paragraph shall be considered “permitted” July 1, 2005.~~



# Demonstrating Equipment is Exempt from Obtaining a Written Permit

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- Equipment, processes, or operations are not exempt from permitting requirements if they fall under the provisions in subdivision (s) – Exceptions
- Pursuant to (s)(2)(A), equipment, processes, or operations are not exempt if the health risk is greater than allowed under Rule 1401 – New Source Review of Toxic Air Contaminants
  - Health risk is determined by a number of factors specific to the source, including the profile of the source's toxic air contaminant emissions and locations of nearby sensitive receptors
- Staff proposing a new provision that would require facilities to submit information to demonstrate risk levels are below the Rule 1401 thresholds upon request

# Demonstrating Equipment is Exempt from Obtaining a Permit

- New paragraph in subdivision (s) to clarify that facilities are required to submit information, including a permit application, on request of the Executive Officer
- Applicable permit fees may apply

(3) Upon request of the Executive Officer, the owner or operator shall submit (a) complete permit application(s) to demonstrate the equipment operates below the risk thresholds in subparagraph (s)(2)(A).

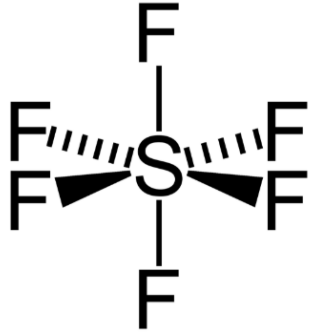


# Stakeholder Comment

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GAS INSULATING EQUIPMENT

# Background



- CARB will phase out Sulfur Hexafluoride (SF<sub>6</sub>) beginning January 1, 2025
  - SF<sub>6</sub> is potent greenhouse gas
- SF<sub>6</sub> used in gas insulated equipment (GIE) such as substations and circuit breakers
- Known alternatives to SF<sub>6</sub> are volatile organic compounds (VOCs)



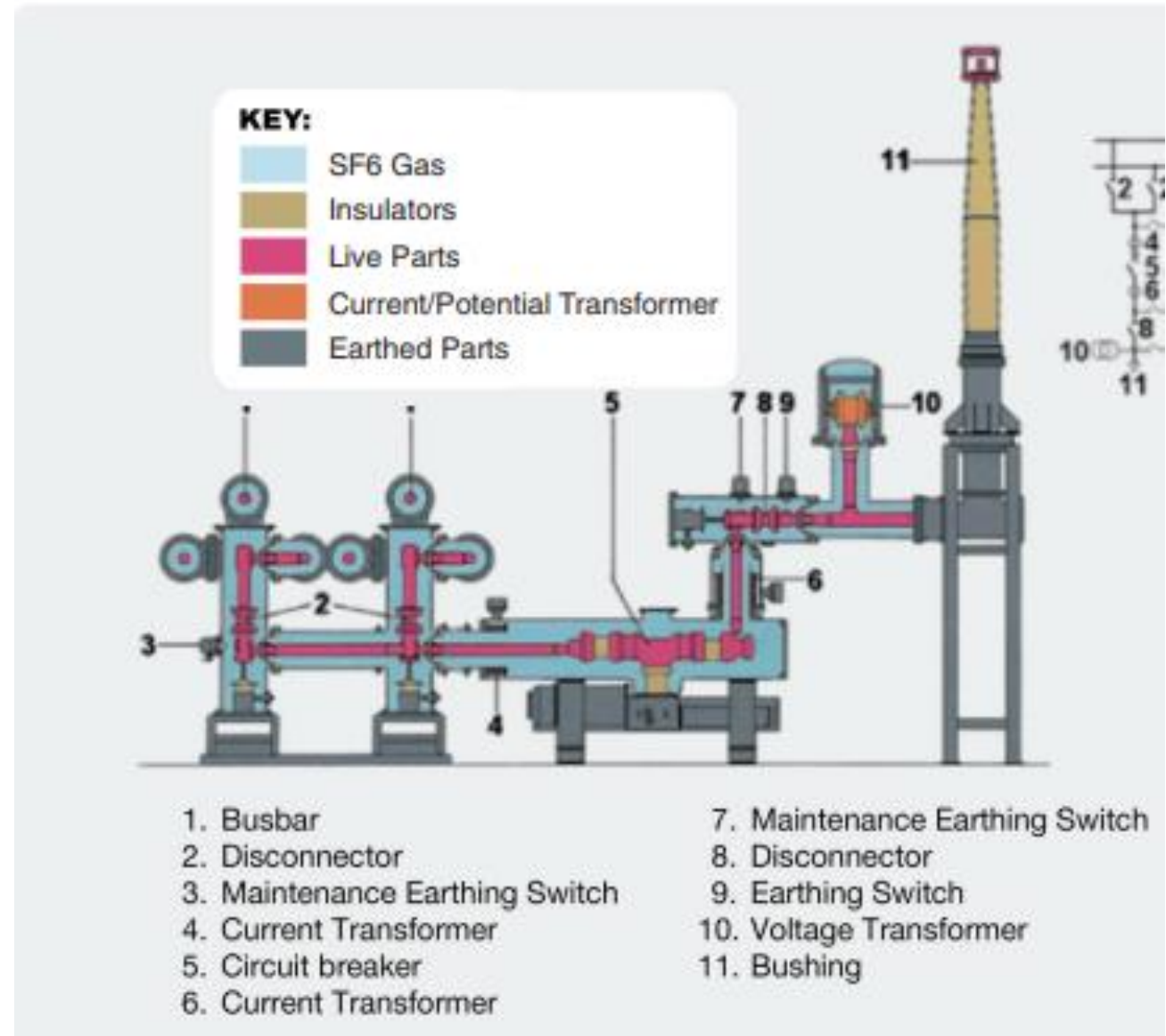
# Stakeholder Comment

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- GIE units filled with SF<sub>6</sub> do not require permit
- SF<sub>6</sub> alternatives may require permit due to potential VOC emissions
- Stakeholders are requesting permit exemption
  - GIE are sealed units
  - Only emissions are fugitive
  - Leak rates are low
- Allowing a permit exemption will expedite the transition from SF<sub>6</sub>

# Staff Response

- Staff will consider the request but needs additional information
  - Number GIE of units
  - Leak rates
  - Alternatives to SF<sub>6</sub>



# Preview of Rule Restructuring

- Structure of Rule 219 is inconsistent with other rules
  - Purpose language is not part of a subdivision
  - No Applicability subdivision
  - Some unreferenced text is included after referenced rule text
- Staff is working to restructure Rule 219 to be consistent with current rules while ensuring the intent of provisions remain the same
- Staff will present the proposed changes to the Working Group when available

## **Proposed Rule 219 Structure**

- (a) Purpose
- (b) Applicability
- (c) Equipment, Processes, or Operations Not Requiring a Written Permit
  - (1) Mobile Equipment
  - (2) Combustion and Heat Transfer Equipment
  - ...
- (d) Exceptions
- (e) Recordkeeping
- (f) Test Methods
- (g) Compliance Dates

# Preview of Rule 222 Amendments

- Rule 222 references specific provisions in Rule 219
  - These references will be incorrect once Rule 219 is restructured
- Staff is proposing to amend Rule 222 and remove references to specific provisions in Rule 219 where feasible
  - Will reduce the need for future amendments to Rule 222 if Rule 219 is amended again
- Staff will also include minor administrative and clarifying language changes, remove archaic effective dates, and correct minor formatting inconsistencies
- Staff will present the proposed changes in a future Working Group Meeting



# Next Steps



Report to Stationary Source Committee on UV/EB/LED in June 2022

Continue working on proposed rule language

Working Group Meeting #3 anticipated for 3<sup>rd</sup> quarter of 2022

# Staff Contacts for PAR 219 and PAR 222

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