

Pinal County Air Quality Control District

(PCAQCD)

Ozone Reasonably Available Control Technology (RACT)

State Implementation Plan (SIP) Rulemaking

Chapter 5, Article 13 – Surface Coatings

Chapter 5, Article 20 – Gasoline Dispensing Facilities

June 10, 2020



PINAL COUNTY

WIDE OPEN OPPORTUNITY



Why the Rulemaking?

- Original Ozone RACT rulemaking took place in 2016 - required by a change in the 2008 ozone National Ambient Air Quality Standards (NAAQS) nonattainment area reclassification (from marginal to moderate).
- In response to the ozone nonattainment reclassification – The Pinal County Board of Supervisors adopted amendments to Chapter 5, Articles 13 (surface coatings) and 20 (gasoline dispensing facilities) and Negative Declaration document on 11/30/16.
- EPA's review of the adopted rules found some rule approvability and improvement issues – Federal Register Limited Approval, Limited Disapproval - 84 FR 39196, August 9, 2019.

Ozone RACT – Rule Approvability Issues

(March 11, 2019 EPA letter)



- Negative Declaration Document

Negative Declaration for no major VOC and no major NOx sources

- PCAQCD's 2016 RACT SIP states it has one Title V facility in the ozone nonattainment area. The Title V facility is a landfill and has a potential to emit of 15.5 ton per year (tpy) for nonmethane organic compounds, and 30.72 tpy for oxides of Nitrogen (NOx). These emissions are below the 100 tpy threshold for major stationary sources in Moderate ozone nonattainment areas. **The District must adopt and submit through the ADEQ negative declarations for no major VOC and no major NOx sources.**
- This rulemaking proposal – [Propose negative declaration for major VOC and NOx source](#)

Ozone RACT – Rule Approvability Issues

(March 11, 2019 EPA letter)



- Negative Declaration for Cutback Asphalt CTG
- There is a CTG for cutback asphalt, but there is no SIP approved rule or negative declaration covering this category listed in the 2016 RACT SIP. PCAQCD should determine if total emissions from all cutback asphalt operations within the ozone nonattainment area are below 100 tpy. **If total cutback asphalt emissions in the ozone nonattainment area are below 100 tpy, PCAQCD must provide supporting documentation and adopt a negative declaration for the Cutback Asphalt CTG.**
- This rulemaking proposal – [Propose negative declaration for Cutback Asphalt along with supporting documentation.](#)

Ozone RACT – Rule Approvability Issues

(March 11, 2019 EPA letter)



- Chapter 5, Article 20 – Gasoline Dispensing Facilities
 - Section 100 (100.3.f) – Exemptions - exempts an owner or operator from verifying that the gasoline cargo tank has a valid Maricopa County vapor tightness certification decal and from verifying specified work practice requirements when loading gasoline, if the station is unattended or there is only one owner or operator present. As there may be one attendant at a Gasoline Dispensing Facility in many instances for a variety of reasons, **this exemption is overly broad and challenging to verify or enforce. The District must remove or narrow this exemption and/or amend §5-20-300.4.**
 - This rulemaking proposal – [Propose removal of 100.3.f and propose addition of decal requirement and work practice requirements language in §5-20-300.4](#)
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Ozone RACT – Rule Approvability Issues (continued)

- Chapter 5, Article 20 – Gasoline Dispensing Facilities - 300.1.e **This section does not state a prohibition. The District must rephrase this section to state a prohibition, for example, specify that an owner or operator shall not allow the loading of gasoline from any cargo tank unless the cargo tank has a current Maricopa County Pressure Test decal.**
 - [Propose removal of 300.1.e and propose addition of decal requirement language in §5-20-300.4.d](#)

Ozone RACT – Rule Approvability Issues

(continued)

- Chapter 5, Articles 13 – Surface Coatings - 100.3.ii: Partial Exemptions - Extreme Performance Coatings - This section exempts Extreme Performance Coatings from the VOC limits...**The 2008 Miscellaneous Metal and Plastic Parts (MMPP) CTG does not exempt Extreme Performance Coatings. In addition, Article 13, Table 1 contains the appropriate VOC limit for this category and is consistent with the CTG. The District must remove the exemption or provide justification for the Extreme Performance Coating exemption.**
 - [Propose removal of extreme performance coatings \(§5-13-100.3.ii\) from the partial exemptions section.](#)

Ozone RACT – Rule Approvability Issues

(continued)

- Chapter 5, Articles 13 – Surface Coatings - 100.3 iv.e: Partial Exemptions — Tactical Military-Equipment. This section exempts Tactical Military-Equipment coatings that are in a District approved permit based on a demonstration that no compliant substitute coating exists. The rule does not define "Tactical Military-Equipment" and the 2008 MMPP CTG does not include this exemption. **The District must evaluate deleting this exemption if Tactical Military-Equipment Coatings can fall under other CTG categories such as "extreme performance" or "military specification."**
 - [Propose removal of tactical military equipment \(§5-13-100.3.iv.e\) from the partial exemptions section.](#)

Ozone RACT – Rule Approvability Issues

(continued)

- Chapter 5, Articles 13 – Surface Coatings - 300.1 Standards — Table 1 limits Clear Coats to 515 g/L. The 2008 MMPP CTG does not have a Clear Coat category, but does include VOC content limits for General One and General Multi Component coatings (340 g/L), which are missing from Table 1. The Clear Coat limit exceeds the CTG's recommended VOC limit for General Coatings. **The District must amend Table 1 to either delete or justify the Clear Coating category, and...**
- Propose to remove the Clear Coat category in Table 1 and in definitions (Section 200).

Ozone RACT – Rule Approvability Issues

(continued)

- And include the following coating categories from Table 2 of the 2008 MMPP CTG and add the associated definitions from Appendix H of the CTG:
General One Component, General Multi Component, Silicone Release, Solar-Absorbent
- Table 1 limits for Drum Coating, New Exterior baked, must be corrected from 0.34 g/L to 340 g/L. In addition, Article 13 does not contain Tables 3-6 of the MMPP CTG (Plastic Parts and Products, Automotive/Transportation and Business Machine Plastic Parts, Pleasure Craft Coatings, Motor Vehicle Materials). **PCAQCD must adopt a negative declaration for Tables 3-6 if it has no applicable sources. Alternatively, the District can amend Article 13 to incorporate the missing tables and associated definitions/requirements.**
- Propose to add General One Component, General Multi Component, Silicone Release and Solar-Absorbent to table 1 and add their respective definitions.
- Propose a negative declaration for Tables 3-6 of the MMPP CTG in the negative declaration document.

Ozone RACT – Rule Approvability Issues

(continued)

- 300.5.i Emission Control System (ECS)
- Section 5.i.a requires an "Overall ECS Control Efficiency" of at least 90%.
- Section 5.i.b requires a capture efficiency of at least 90%.
- Section 5.i.c(1) requires a control efficiency of at least 90%.
- Sections 5.i.b and 5.i.c(1) combined, achieves 81% (90% x 90%), and does not meet the MMPP
- CTG recommended 90% overall capture and control efficiency. (CTG pg 38).
Please amend this section to clarify the overall ECS control requirement.
- [Propose amendment to Section 300.5.i to address EPA's rule approvability comments.](#)

Ozone RACT – Rule Approvability Issues

(continued)

- Section 5.i.c(2)(a) specifies an alternative low VOC limit of 20 mg VOC/m³ (as carbon);
- **Please amend this limit to 20 mg VOC/m³ (as methane)** for consistency with Maricopa County Rule 336. Maricopa County Rule 336 section 305.1.b was changed from "as carbon" to "as methane". **If this change is made, please also amend the 100 ppm (as carbon) to "as methane" in 5.i.c(2) to maintain consistency.**
- [Propose the EPA requested rule amendments in Section 300.5.i.c\(2\).](#)

Ozone RACT – Rule Improvement Recommendations

- Approximately a dozen or so EPA recommended improvements to both the Surface Coating rule and Gasoline Dispensing rule.
 - Examples –
 - Corrections to CTG metrics (i.e. temperature for air drying surface coatings).
 - Typographical corrections ("ASTDM" corrected to "ASTM")
 - Language revisions to clarify requirements in the rules and also get closer to CTG language
 - Addition of definitions for terms used in the rules
 - [Propose various corrections, clarifying language changes and additional definitions to both draft rules.](#)

Rulemaking Timeline

- Stakeholder meeting held virtually on June 3, 2020
- Oral Proceeding today with Public comments due by close of business today (June 10, 2020)
- Pinal County Board of Supervisors (BOS) Public Hearing – August 5, 2020 @ 9:30 a.m. 1891 Courthouse, Florence, AZ.
- After BOS Adoption – submittal to ADEQ for submittal to EPA.



Questions? Comments?

- Contact info: Mike Sundblom – Michael.Sundblom@pinal.gov or Scott DiBiase – scott.dibiase@pinal.gov