



MONTEREY BAY AIR RESOURCES DISTRICT ADVISORY COMMITTEE MEETING THURSDAY, SEPTEMBER 3, 2020 – 1:30 P.M.

On March 12, 2020, Governor Newsom issued Executive Order N-25-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic based on Guidance for Gatherings issued by the California Department of Public Health. The Executive Order specifically allows local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health. In light of this, the September 3, 2020 meeting of the MBARD Advisory Committee was held via Zoom webinar.

Summary of Actions

1. Call to Order – **The meeting was called to order by Chair Brennan at 1:30 p.m.**
2. Roll Call
Present: Allen Stroh, Bob Smith, Janet Brennan, Jay Tufano, Jeff Davis, Sandy Coplin, Sandy Swint, Scott Storm, Spencer Critchley. **Absent:** Tom Brokaw. **Excused:** David Mack, Scott Soares.
3. Changes to the Agenda – **None.**
4. Public Comment Period – **None.**
5. **Accepted and Filed** Summary of Actions for the Advisory Committee Meeting of June 4, 2020
6. **Approved** Proposed Revisions to Rule 426 Architectural Coatings
Motion: Approve proposed revisions to Rule 426 Architectural Coatings. **Action:** Approve. **Moved by** Jay Tufano, **Seconded by** Allen Stroh.
Vote: Motion carried by unanimous roll call vote (summary: Yes = 8).
Yes: Allen Stroh, Bob Smith, Janet Brennan, Jay Tufano, Jeff Davis, Sandy Coplin, Scott Storm, Spencer Critchley. **Absent:** Sandy Swint left the meeting before the item.
7. **Received** a Presentation and **Provided** Comments on the Draft Annual AB2588 Air Toxics 'Hot Spots' Program Report
8. **Accepted and Filed** a Report on Mid-Year 2020 Engineering and Compliance Activities
9. **Accepted and Filed** a Report on Daily Eight-Hour Peak Ozone Concentrations, Hourly Peak Ozone Concentrations, PM2.5 and PM10 Air Monitoring Data for the First Two Quarters of 2020
10. **Received** Monthly Oral Report from Air Pollution Control Officer **Richard Stedman, APCO, reported on the following:**
Engineering
 - District held a public workshop on August 12 to discuss the proposed revisions to Rule 426 Architectural Coatings. The proposed rule revisions, including comments and responses, will be on the September Board agenda.

- District submitted comments on California Air Resources Board's proposed amendments to Emission Inventory Criteria and Guidelines Regulation. Staff supports CARB's intent to ensure continued protection of public health, but is concerned addition of emission data reporting for hundreds of new substances does not necessarily correlate to protection of public health in the absence of comprehensive, cumulative risk assessment modeling. Additional reporting requirements may burden the permitted sources and staff resources of air districts.
- UC Santa Cruz and Chevron's Salinas River Cogeneration facility successfully completed their projects the Hearing Board approved for variances.
- District continues to make progress with implementation of new permit database Accela. Currently working with consultant to create reports and specifications allowing monthly permit billing to come from Accela database rather than accounting software.

Planning and Air Monitoring

- New electric vehicle DC fast charge station, installed by Chargepoint and paid for by the District using AB 923 funds through a Plug-In Monterey Bay Grant was activated this month at the King City Shopping Center.
- The 2019-20 Monterey Bay Electric Vehicle Incentive Program ended on July 31. With 387 applicants receiving incentives. \$329,650 of the overall \$400,000 was obligated with \$70,350 remaining. This year's program launched on August 1.
- This year's Woodstove Change Out Program is expected to launch in early September.
- Zero Emission School Bus Program has received 26 applications. Ten all-electric school buses have been delivered.

Outreach

- District now has a channel on YouTube called "Monterey Bay Air Resources District."
- District recently completed two educational/informational videos: Air Quality 101 and a Spanish language video explaining the Air Quality Index (AQI). Both videos are on the District's YouTube channel.
- District's first electronic newsletter was launched in June with the summer edition. Fall edition due out later this month. Advisory Committee members are invited to contribute.
- Signed professional services agreement with Entravision for Spanish language advertising. They are affiliated with:
 - KSMS Univision 67 TV
 - KDJT UniMass 33 TV
 - KLOK Radio Tricolor 99.5FM
 - KSES La Suavecita Radio 107.1FM

11. Future Agenda Items – **None.**

12. Chairman's Comments – **None.**

13. Comments from Committee Members – **None.**

14. Order for Adjournment – **The meeting was adjourned at 2:58 pm.**

Ann O'Rourke
Executive Assistant



District Rule 426 – Architectural Coatings

- Rule applies to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating or who manufactures, blends or repackages any architectural coating for use in MBARD.
- Architectural coating VOC emissions are controlled through Rule 426, which is modeled after CARB SCM for Architectural Coatings.
- Air Districts that are required by the State Implementation Plan (SIP) to implement continued progress towards attaining both federal and State ozone standards, must adopt “feasible measures”.



Outline

- Background
- CARB’s Suggested Control Measure (SCM) for Architectural Coatings
- Proposed Changes to Rule 426
- Emission Impacts
- Public Comments
- Schedule



CARB Suggested Control Measure (SCM)

- Not a formal CARB regulation, but a model rule that can be adopted by local air pollution control districts that need to reduce emissions to improve air quality.
- The SCM sets VOC coating limits, (grams VOC per liter coating).
- Key objective of the SCM is to promote consistency and uniformity among district rules.
- Consistency and uniformity makes it easier for manufacture and painting contractors to comply with district rules.



Architectural Coatings

- Products applied to stationary structures and their accessories. Examples; houses paints, concrete curing compounds, swimming pool coatings, traffic coatings, and industrial maintenance coatings.
- Volatile Organic Compounds (VOCs) are emitted when these coatings are applied, which are precursors to both ozone and particulate matter.
- Architectural coatings are a large source of volatile organic compound (VOC) emissions in MBARD, accounting for about 2.35 tons/day or 868.7 tons/year in 2012.



2019 Adopted Revisions to SCM

- Summary of Revisions
 - lowered VOC limits on nine existing coating categories
 - added three new coating categories
 - set VOC limits for colorants added to architectural coatings
- The new limits align with the lower existing limits in South Coast AQMD Rule 1113.
- Effective compliance date for new VOC limits is January 1, 2022.



2020 Adopted Revisions to SCM

- New Photovoltaic Coating category with anti-reflective and anti-soiling properties.
- Coatings provide 3-4% percent energy efficiency improvements on existing solar modules.
- One time application, limited to solar photovoltaic modules manufactured and installed without anti-reflective coating.
- Temporary category, sunset date effective January 1, 2028.

Coating Category	VOC Limit (g/L)	Usage Limit (gal/day)
Photovoltaic Coating	600	27



Proposed VOC Limits – Table 1

Coating Category	Current Limit (g/l)	Proposed Limit (g/l)
New Coating Categories		
Building Envelope Coatings	NA	50
Exterior/Dual Stains	250	100
Interior Stains	250	100
Tile and Stone Sealers	NA	100
Existing Coating Categories		
Nonflat Coatings	100	50
Aluminum Roof Coatings	400	100
Dry Fog Coatings	150	50
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Waterproof Membranes	250	100



Proposed Changes to Rule 426

- Elimination of Nonflat – High Gloss coating category from Table 1.
- Remove or modify outdated definitions and requirements.
- Establish new coating categories and VOC limits in Table 1.
- Establish VOC limits for colorants in Table 2.



Propose VOC Limits – Table 2

Coating Category	Current Limit (g/l)	Proposed Limit (g/l)
Colorant Added To		
Architectural Coatings, excluding IM and Wood Coatings	NA	50
Solvent-Based IM Coatings	NA	600
Waterborne IM Coatings	NA	50
Wood Coatings	NA	600



Proposed Changes to Rule 426

- Add a stand-alone section denoted as Part 7 for a new coating category, Photovoltaic Coatings as shown in Table 3.
- Updated language in the Sell-Through Provisions of Coatings and Colorants.
- Add the term “market” in the applicability section.



Propose VOC Limits – Table 3

Coating Category	Proposed Limit (g/l)	Max Usage Limit (gal/day)
Photovoltaic Coatings	600	27



MBARD Air Quality Benefits from Revisions

- 2019 Revisions:
 - VOC emission reductions of 0.09 tons/day
- 2020 Revisions:
 - One time VOC increase of 0.068 tons/day
 - 10 tons over lifetime of entire project, California, Flats, 169 MW Unit
 - Power plant emissions avoided from having more efficient solar modules (tons/solar module useful life):

NO _x (tons/10 yr)	VOC (tons/10 yr)	SO _x (ton/10 yr)	PM ₁₀ (tons/10 yr)	CO (tons/10 yr)	CO ₂ (tons/10 yr)
10.2	1.7	0.6	2.8	18.6	24,838



Antifouling Coatings

- Specialized paints applied to the underwater portion of boats, ships, vessels, or pleasure craft to prevent or reduce the attachment of biological organisms.
- Coatings also applied to the insides of pipes serving the power plant cooling water system to prevent biofouling.
- This SCM category was removed during the 2012 revisions.
- SCAQMD Marine Coating Rule 1106 – specialized coating applied to underwater portion of a marine vessel to prevent or reduce biofouling.



Public Comments

- CARB recommend updating the definition of Flat Coating to include the updated ASTM reference.
- CARB recommend adding the language “For Professional Use Only” to the label requirements of Section 4.1.9.
- CARB recommend changing the language of Section 6.5.30 to match the language of Section 8.5.30 of the SCM.



Antifouling Coatings Continued

- During the 2012 SCM update, Advisory Committee and Board gave direction to staff not to remove coating from SCM and to retain the 400 g/L VOC limit.
- If category is removed, the VOC limit for such coating applications would default to that of a “Specialty Coating” at 100 g/L VOC limit.
- MBARD will retain Antifouling Coating Category, unless directed otherwise.



Public Comments

- David Darling requests to add labeling language for industrial coatings, and retain the definition of non-flat High Gloss.
- Dianne Brickman asked about the elimination of the fire retardant definition.
- CARB suggest the removal of antifouling coating from the list of categories exempt from the most restrictive limit requirements.
- Spencer Vartanian from Dynege request to continue to uphold the existence of the Antifouling Coating category from Rule 426



Schedule

Activity	Date/Time	Where
Board Adoption Hearing	September 16, 2020, 1:30 PM	Remote Meeting Only Via Zoom Video Conference



Questions?

Seong Kim
Air Quality Engineer II
skim@mbard.org



19

The image is a rectangular slide with a black border. On the left side, the text 'Questions?' is displayed in a sans-serif font, with a horizontal line underneath. Below this, the name 'Seong Kim' is listed, followed by his title 'Air Quality Engineer II' and email address 'skim@mbard.org'. On the right side, there is a black icon depicting two stylized human figures. A speech bubble originates from the upper figure and contains a white question mark. In the bottom right corner of the slide, the number '19' is printed.

Mid-Year 2020 Engineering and Compliance Activity Data

AMY CLYMO
ENGINEERING AND COMPLIANCE MANAGER
SEPTEMBER 3, 2020



Engineering

- Evaluate permit applications for compliance with federal, state, and local rules and regulations
- Issue permits with operating conditions
- Develop rules and regulations
- Report annual stationary source emission inventory



Impacts of COVID-19

- Monterey County Shelter-in-Place Order – March 18
- Adjust Operations for Remote Work
- Remote Inspection Protocol – April 22
- In-Person Inspection/Complaint Procedures during the Transition to Normal Working Conditions – June 3



Engineering Data

Activity	Calendar Mid-Year 2020
Permit Applications Received	155
Startup Inspections	50
Authorities to Construct Issued	112
Permits to Operate Issued	164
Agricultural Diesel Engine Registrations	0
Title V Permits Issued	1
Emission Reduction Credits Issued	0



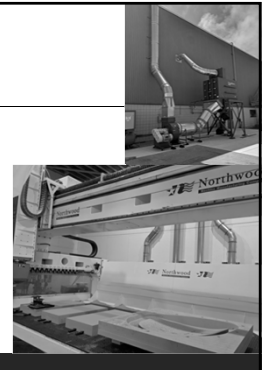
Outline

- Description of Engineering and Compliance
- Activity Data



Permitted Units

- Emergency Engines - 1,132
- Retail Gas Stations - 223
- Paint Spray Facilities - 298
- Boilers – 204
- Prime Engines - 146



Compliance

- Conduct inspections of permitted sources
- Ensure compliance with permit conditions
- Take enforcement action for violations
- Ensure compliance with the federal asbestos regulation
- Respond to complaints



Questions?



Compliance Data

Activity	Calendar Mid-Year 2020
Compliance Inspections	459
Notices to Comply	72
Asbestos Notifications	120
Asbestos Inspections	83
Complaints Received	133
Breakdowns Received	13
Source Tests Observed	7
Variance Orders Issued	3




Complaint Data

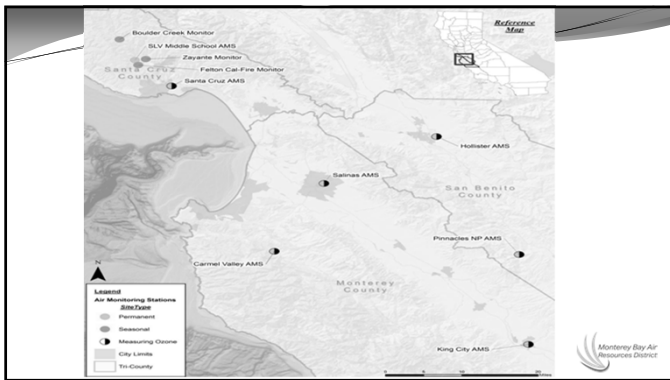
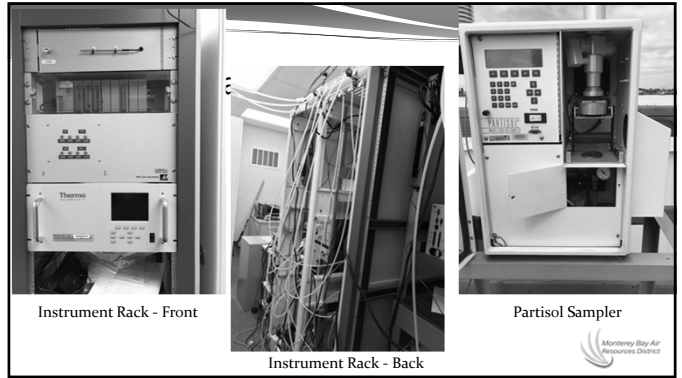
- Odor - 58
- Asbestos - 5
- Smoke - 55
- Dust - 5
- Other - 7
- Gas station - 3



Air Monitoring Mid-Year Summary for 2020

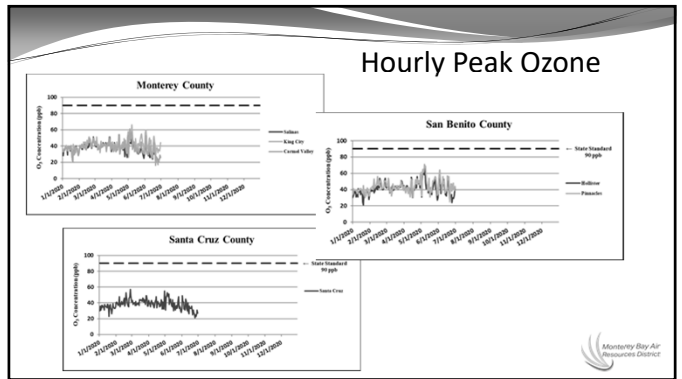
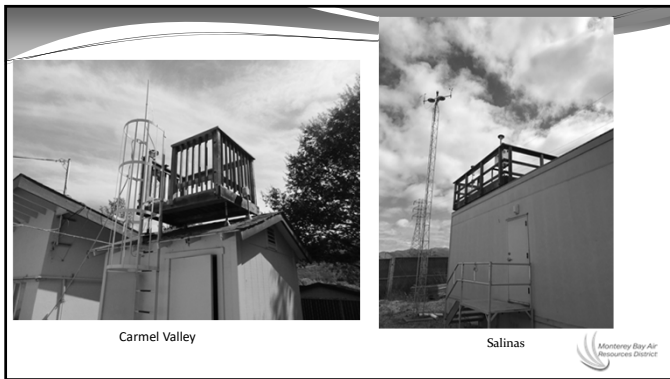


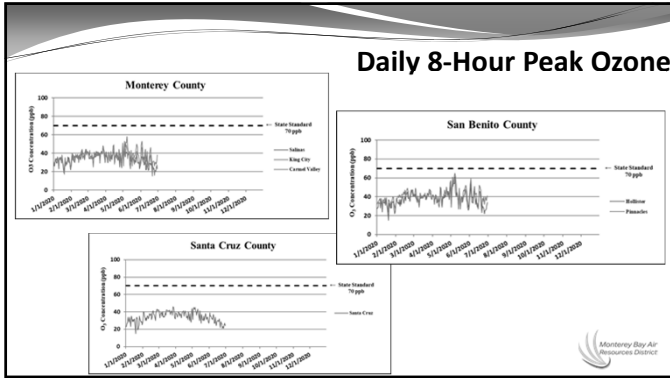
David Frisbey
 Planning and Air Monitoring Manager
 August 19, 2020



Ambient Air Quality (Daily) Standards

Pollutant	Averaging Time	California Standards	National Standards	
		Concentration	Primary Concentration ³	Secondary Concentration ⁴
Ozone	1 hour	0.090 ppm	--	--
	8 hour	0.070 ppm	0.070 ppm	0.070 ppm
PM2.5	24 hour	---	35 µg/m ³	Same
PM10	24 hour	50 µg/m ³	150 µg/m ³	Same

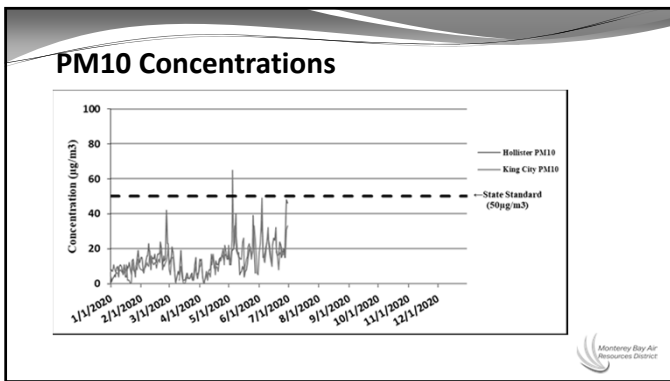
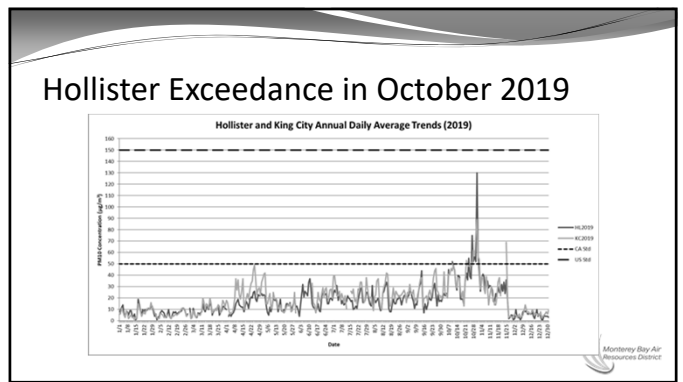
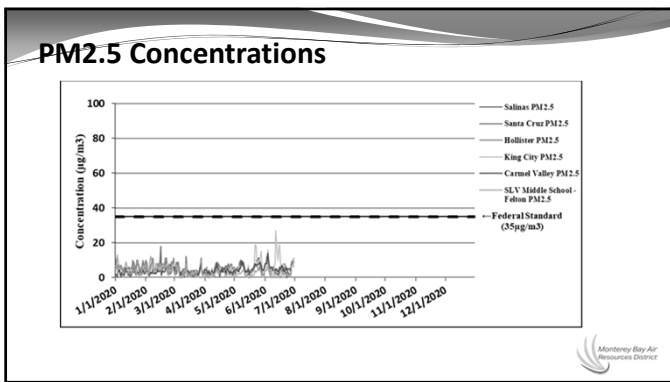




Attainment Status

Pollutant	State Designation	Federal Designation
Ozone (O ₃)	Nonattainment-Transitional	Attainment
Inhalable Particulates (PM ₁₀)	Nonattainment	Attainment
Fine Particulates (PM _{2.5})	Attainment	Attainment
Carbon Monoxide (CO)	Monterey Co.-Attainment	Attainment
	San Benito Co.-Unclassified	Attainment
	Santa Cruz Co.-Unclassified	Attainment
Nitrogen Dioxide (NO ₂)	Attainment	Attainment
Sulfur Dioxide (SO ₂)	Attainment	Attainment
Lead	Attainment	Attainment

Monterey Bay Air Resources District



- ### PM10 Exceedance in Hollister, October 2019
- 40 CFR Part 58
 - One exceedance >80% of National Ambient Air Quality Standard (150ug/m³) requires an increase in 2 stations for our Metropolitan Statistical Area which includes Santa Clara and San Benito Counties.
 - Install one additional PM₁₀ air monitoring station in SB County
 - Proposed New Location - San Juan Bautista Elementary
- Monterey Bay Air Resources District

Discussion and Questions....

