

Public Scoping Meeting for

Rule 4601 (Architectural Coatings)

**Rule 4603 (Surface Coating of Metal Parts and Products,
Plastic Parts and Products, and Pleasure Crafts)**

Rule 4604 (Can and Coil Coating Operations)

Rule 4653 (Adhesives and Sealants)

Rule 4663 (Organic Solvent Cleaning, Storage, and Disposal)

December 5, 2024

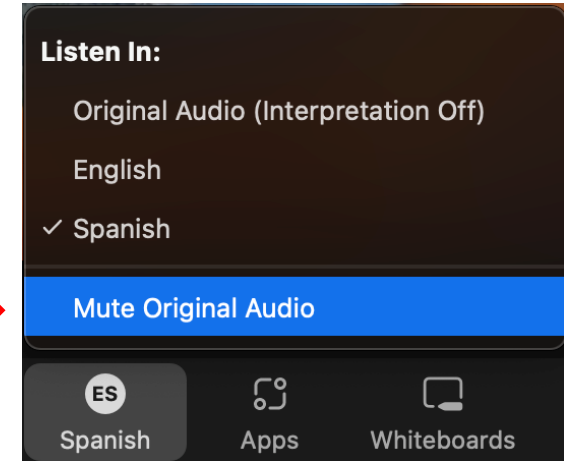
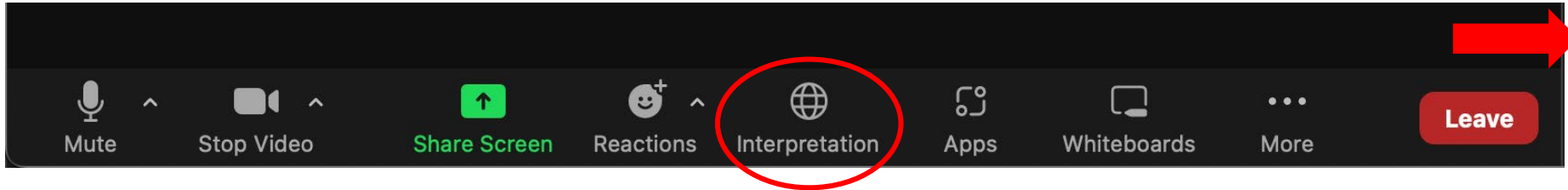
webcast@valleyair.org

How to Listen to Webinar in Spanish

Cómo Escuchar la Interpretación Español

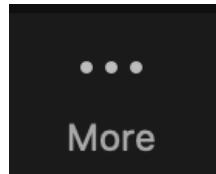
En Una Computadora

1. En los controles de la reunión o el seminario web, seleccione el **icono de interpretación**, que parece a un mundo en la parte debajo de la pantalla.
2. Seleccione español y silencie el audio original.



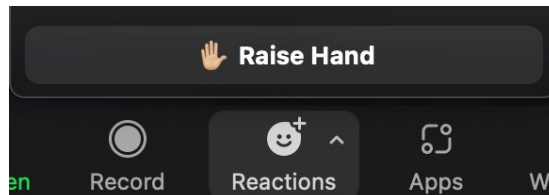
En Un Teléfono o Tableta

1. Seleccione los tres puntos para ver más opciones, seleccione interpretación y siga las mismas instrucciones de arriba.



Para Hacer una Pregunta o un Comentario

1. Seleccione el icono de reacciones para levantar su mano





SAN JOAQUIN VALLEY
Unparalleled air quality challenge

Ozone Formation



Ozone is formed through reaction of nitrogen oxides (NO_x) and Volatile Organic Compounds (VOC) in presence of heat/sunlight



NO_x: combustion primarily from mobile sources



VOCs: biogenic/plants, consumer, stationary, mobile sources



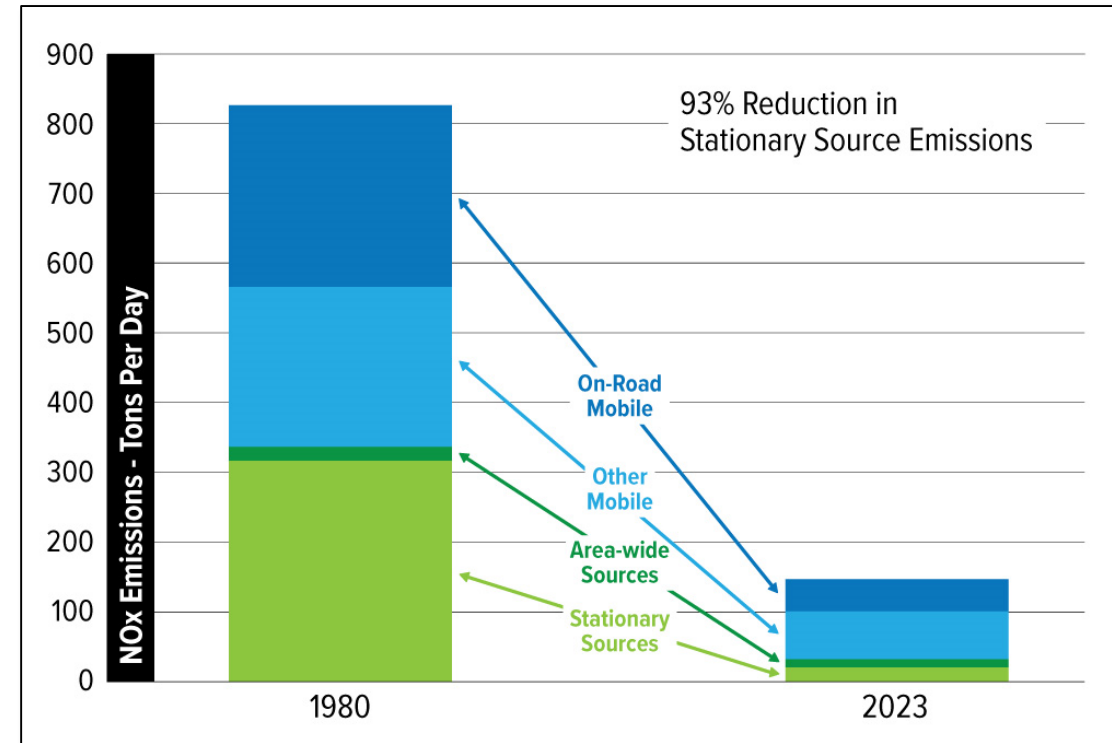
Valley experiences high ozone in summer, with peaks in middle of the day



Industrial facilities and electric utilities, motor vehicle exhaust, gasoline vapors and chemical solvents are major sources of oxides of nitrogen (NO_x) and volatile organic compounds (VOC).

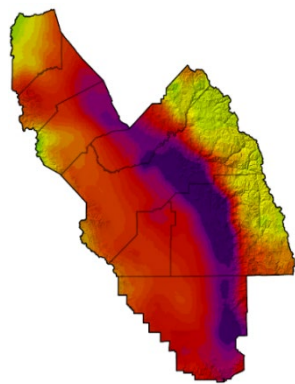
Adopted Controls Are Improving Air Quality

- Governing Board has adopted numerous attainment plans and air quality control strategies to address federal standards
 - Stationary source ozone and PM-forming NOx emissions reduced by over 90% through hundreds of regulatory actions
- California Air Resources Board (CARB) has adopted numerous mobile source emission controls
- District/CARB combined efforts represent nation's toughest emissions control program
- Strong incentive programs (\$7.1 billion in public/private investment)
- Through significant clean air investments, Valley continues to make major improvements with respect to air quality

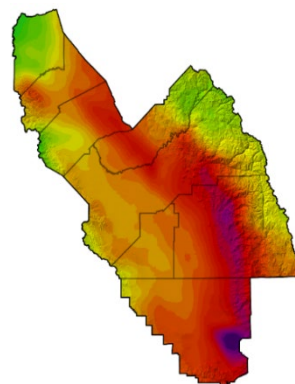


Ongoing Efforts to Reduce Ozone Levels

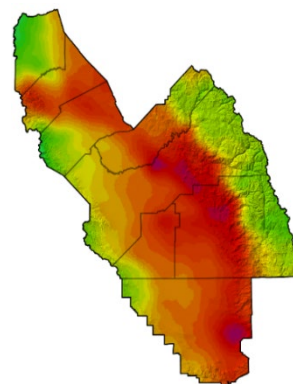
- Ongoing implementation of strategies within Valley ozone attainment plans have led to significant improvements in regional air quality
 - Nearly 100% reduction in days over 1-hour standard of 124 ppb
 - 94% reduction in days over 8-hour standard of 84 ppb
 - 81% reduction in days over 8-hour standard of 75 ppb
 - 67% reduction in days over 8-hour standard of 70 ppb
- 89% of days during May-October ozone season now meet latest ozone standard, with vast majority of days meeting 1997 and 2008 standards



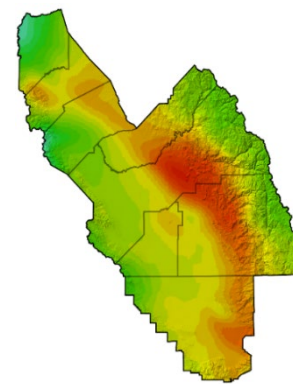
2000



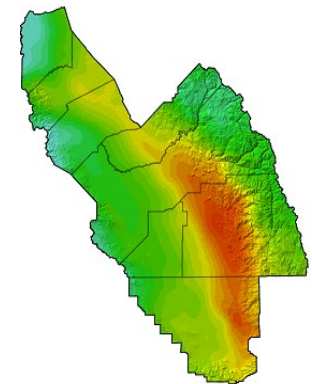
2005



2010

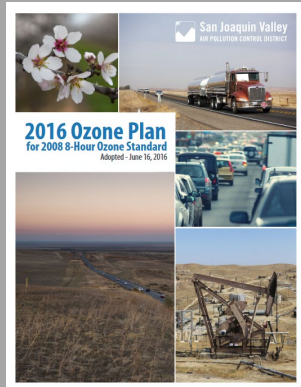


2015



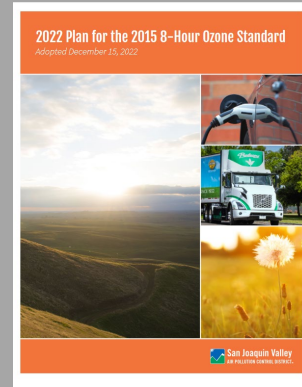
2023

Contingency SIP Revision for Ozone Standards



In 2019, EPA approved *2016 Ozone Plan*, and conditionally approved contingency measure requirements

In response to litigation, in Oct. 2021, EPA withdrew approval, triggering sanctions/FIP clocks



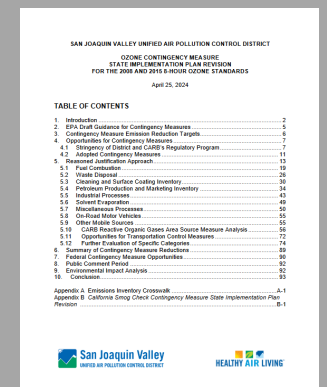
2022 Ozone Plan adopted Dec. 2022 for 2015 8-hr ozone standard

Due to needed EPA Guidance, this plan did not identify contingency measures



March 2023 EPA releases draft contingency measure guidance, creates path forward to developing approvable measures

On Dec. 3, 2024, EPA issued final guidance (District currently reviewing)



Ozone Contingency Measure SIP Revision adopted April 2024 for 2008 and 2015 8-hr Ozone Standards


Oct. 2024, EPA proposed to conditionally approve SIP revision related to 2008 8-hr ozone standard

District Contingency Rule Commitments



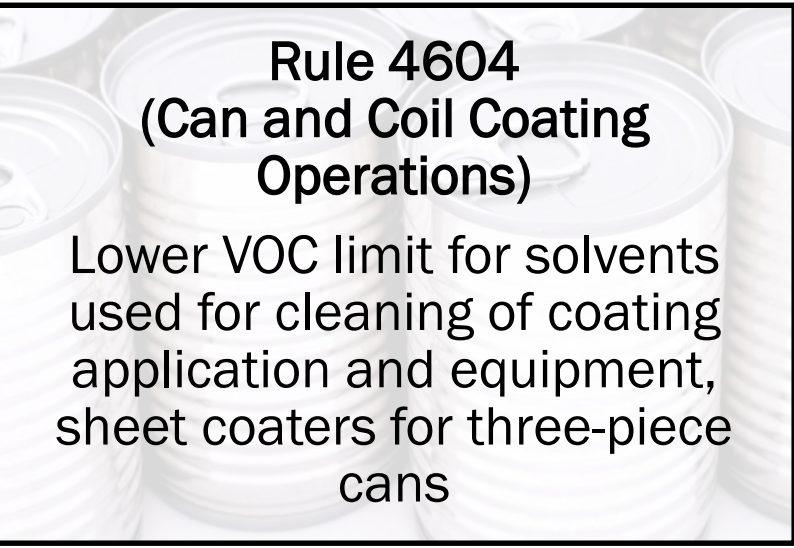
Rule 4601 (Architectural Coatings)

Remove small container exemption for rust preventative coatings



Rule 4603 (Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts)

Remove exemption for solvents used for stripping of cured coatings, cured adhesives, and cured inks



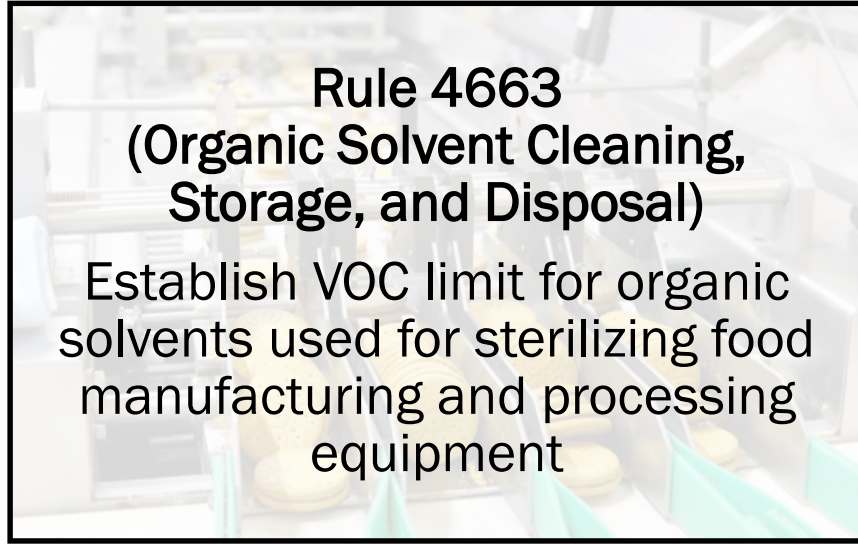
Rule 4604 (Can and Coil Coating Operations)

Lower VOC limit for solvents used for cleaning of coating application and equipment, sheet coaters for three-piece cans



Rule 4653 (Adhesives and Sealants)

Lower VOC limit for PVC welding adhesives



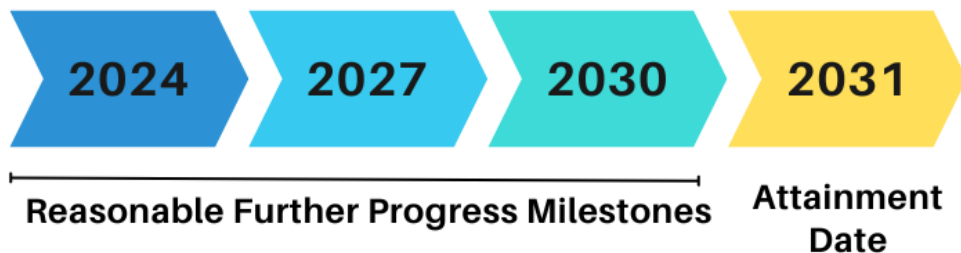
Rule 4663 (Organic Solvent Cleaning, Storage, and Disposal)

Establish VOC limit for organic solvents used for sterilizing food manufacturing and processing equipment

Contingency Measure Triggers

- Contingency measures required under Clean Air Act (CAA) - measures to be “triggered” to achieve additional reductions if an area fails to meet certain requirements
- Under CAA, contingency measure triggers for ozone include:
 - Failure to meet Reasonable Further Progress (RFP)
 - Failure to attain the applicable standard by its respective attainment date
- Measures would be implemented within 60 days from final EPA rulemaking finding that a contingency trigger occurred

2008 8-Hour Ozone NAAQS



2015 8-Hour Ozone NAAQS



Rule 4601 (Architectural Coatings)

History and Applicability

- Adopted in April 1991 and last amended in April 2020
- Applies to any person who supplies, markets, sells, offers for sale, applies, or solicits application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within District

Contingency Measure

- Remove small container exemption for rust preventative coatings
- If triggered, rust preventative coatings sold in small containers (one liter or less) would become subject to 250 g/L VOC limit

Potential Impact

- VOC limits are enforced through point of sale requirement, where products available for sale must meet VOC limits
- Compliant products are publicly available, thus product development is not required

Rule 4603 (Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts)

History and Applicability

- Adopted in April 1991 and last amended September 2009
- Applies to surface coating of metal parts or products, large appliances parts or products, metal furniture, and plastic parts and products, automotive/transportation and business machine plastic parts and products, and pleasure crafts, and to organic solvent cleaning, and storage and disposal of all solvents and waste solvent materials associated with such coating

Contingency Measure

- Remove exemption for stripping agents for metal parts and products
- If measure is triggered, these stripping agents would become subject to 200 g/L VOC limit

Potential Impact

- District found no active, permitted facilities using stripping agents for metal parts and products
- Compliant products are publicly available, thus product reformulation/development is not required
- If triggered, any new operations using these products would be subject to 200 g/L limit

Rule 4604 (Can and Coil Coating Operations)

History and Applicability

- Adopted in April 1991 and was last amended September 2007
- Applies to can and coil coating operations, and to organic solvent cleaning, storage and disposal associated with can and coil coating operations
- Can and coil operations use various equipment that must be cleaned with a solvent to prevent coating build-up and ensure product consistency

Contingency Measure

- Lower limit for organic solvents used for cleaning of coating application equipment, sheet coaters for three-piece cans from 250 g/L to 25 g/L of VOC
- If triggered, these solvents would become subject to 25 g/L VOC limit

Potential Impact

- District identified one active, permitted facility that would be impacted, if triggered
- Compliant products are publicly available, thus product development is not required

Rule 4653 (Adhesives and Sealants)

History and Applicability

- Adopted in March 1994 and was last amended in September 2010
- Applies to any person who supplies, sells, offers for sale, or applies any adhesive product, sealant product, or associated solvent, used within District

Contingency Measure

- Lower VOC limit for PVC welding adhesives from 510 g/L to 500 g/L
- If triggered, PVC welding adhesives would become subject to 500 g/L VOC limit

Potential Impact

- District identified 15 facilities that have an active permit that includes current limit for PVC welding adhesive
- Compliant products are publicly available, thus product reformulation/development is not required

Rule 4663 (Organic Solvent Cleaning, Storage, and Disposal)

History and Applicability

- Adopted in December 2001 and was last amended September 2007
- Applies to any organic solvent cleaning performed outside a degreaser during production, repair, maintenance, or servicing of parts, products, tools, machinery, equipment, or in general work areas at stationary sources
- Applies to storage and disposal of all solvents and waste solvent materials at stationary sources

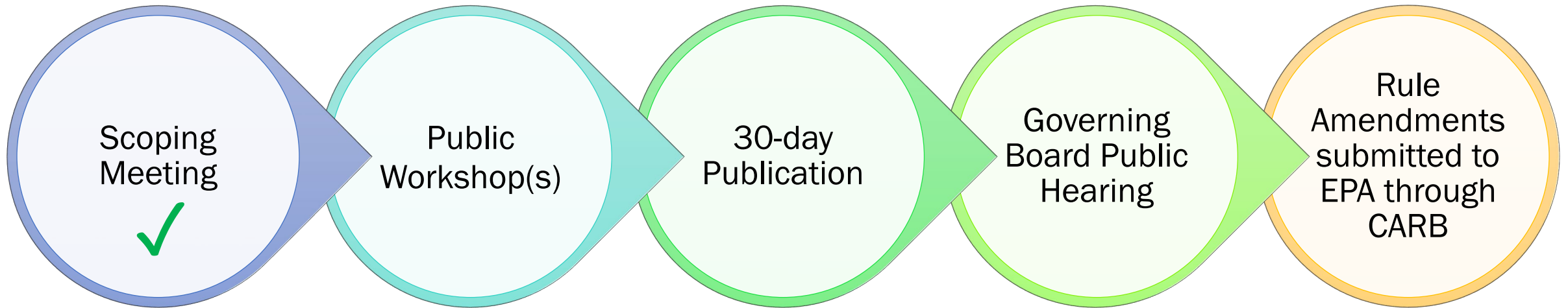
Contingency Measure

- Rule does not currently have VOC limit for organic solvents used for sterilizing food manufacturing and processing equipment
- If triggered, would establish a 200 g/L VOC limit for these organic solvents

Potential Impact

- District currently analyzing food manufacturing/processing facilities that could become subject
- Compliant products are publicly available, thus product reformulation/development is not required

Next Steps



Public participation is encouraged throughout process

Contact and Resources



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