



AIR ISSUES & REGULATIONS COMMITTEE
A Committee of the Bay Area Clean Water Agencies

Quarterly Meeting
May 29, 2024

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Agenda

- Introductions
- CARB Advanced Clean Fleet Regulations Implementation Timeline/Requirements
- Upcoming BACWA-BAAQMD Implementation Workgroup Meeting Topics
- New BACT and/or TBACT Determinations
- Rule 11-18 Amendments
- CARB Statewide Air Toxics Pooled Emissions Study
- Informational Items
- Open Discussion/Member Updates
- Adjourn



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ACCII & ACF Regulations

Advanced Clean Cars II

- Applies to light-duty passenger car, pickup truck and SUV emissions starting with 2026 model year through 2035
- Requires new vehicles sold in CA be zero-emission by 2035 (manufacturer focus)
- Amends low-emission vehicle regulations to include more stringent standards for passenger trucks

Advanced Clean Fleets

- Applies to medium- and heavy-duty vehicles with gross vehicle weight rating >8,500 lbs
- Requirements for both manufacturers and fleet owners
- Fleet owners are required to replace conventional vehicles with zero-emission vehicles or ZEV (timelines vary based on fleet owner and vehicle type)
- ZEVs (e.g., battery electric and hydrogen fuel cell)

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CARB's Advanced Clean Fleet Regulations/Resolution

Applies to medium- and heavy-duty vehicles with gross vehicle weight rating >8,500 lbs

1. State & Local Government Agency Fleets

(cities, counties, special districts, State agencies)

2. High Priority & Federal Fleet Requirements

(POTWs can opt in until 2030 – if opt in, can't opt out)

3. Drayage Truck Requirements

4. 2036 100 Percent Medium- and Heavy-Duty Zero-Emission Vehicle Sales Requirements

Contain requirements/schedules for POTWs!



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How do CARB's Advanced Clean Fleet Regulations apply to POTWs?

State & Local Government Agency Fleets include cities, counties, special districts, state agencies

- **If NOT considered** a low population county, having >10 vehicles in fleet:
 - January 1, 2024, 50% of vehicle purchases in each calendar year must be ZEVs
 - January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs
- **If considered** low population county, ≤10 vehicles in fleet:
 - January 1, 2027, 100% of vehicle purchases in each calendar year must be ZEVs.



- No requirement to end the use of existing compliant vehicles
- Exemptions/extensions are available but limited eligibility



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How do CARB's Advanced Clean Fleet Regulations apply to POTWs?

High Priority & Federal Fleets Requirements

If you are a WWTP, you can opt your entire medium and heavy-duty fleet into this regulation

- Timeline to transition entire medium- and heavy-duty fleet
- Allows vehicles purchased before Jan 1st (2024) fueled only with biomethane from diverted organic waste to opt into Milestone Group 3

Percentage of fleet that must be ZEVs →	10%	25%	50%	75%	100%
Milestone Group 1: Box trucks, vans, buses w/ two axles, yard tractors, light-duty package delivery vehicles	2025	2028	2031	2033	2035 +
Milestone Group 2: Work trucks, day cab tractors, buses with three axles	2027	2030	2033	2036	2039 +
Milestone Group 3: Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042 +

Most POTWs have selected registering under the State & Local Government Agency Fleet for increased flexibility!

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Does AB 1594 take the place of or change any provisions in ACF?

- Adopted October 8, 2023
- Applies to public agencies, including community water systems, water districts, and wastewater treatment providers
- Authorizes public agencies to purchase traditional replacements for medium- and heavy-duty vehicles at the end of their useful life to maintain reliable service and respond to major foreseeable events
- ACF regulations re-opened in March 2024 to incorporate requirements (e.g., remove vehicle age requirement to access exemptions and extensions)
- Rulemaking (amendment) process to be complete by early 2025

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CCCSD Case Study – Fleet Electrification

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BACWA-BAAQMD Implementation Workgroup Upcoming June 3rd

- Outlook on Engagement
 - Update from BAAQMD on Status of Report to BAAQMD Board
 - Update from BAAQMD on Status of Edits to Standard Permit Conditions
 - BAAQMD Source Test to Provide Update on Comparison of EPA and BAAQMD Methods
 - Update from BAAQMD on Future BACT Determination Process and Guidebook Updates
 - Update from BAAQMD on Status of Rule 11-18 Amendments
 - Update from BACWA on the CASA Statewide Air Toxics Pooled Emissions Study Coordination
 - BAAQMD Point of Contact
 - Update from BAAQMD on Strategic Planning Initiative
- Other Opportunities for Collaboration between BACWA and BAAQMD
- Decision/Action Item Summary



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BACT / TBACT/RACT Updates

Tier 4 Engines > 50 hp

- Achieved in Practice in Sac Metro APCD and San Joaquin APCD
- BAAQMD plans to update BACT via posting and public workshop
- Schedule delayed

RACT for Digester Gas Flares

- CO RACT lowered from 0.2 lbs/MMBtu to 0.1 lbs/MMBtu



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Proposed Amendments to Rule 11-18: Risk reduction from Air Toxics emissions at Existing Facilities

- Originally adopted in 2017 to address significant risk from existing facilities
- Annual update of facilities list based on prioritization score (check your facility's PS)
- Concept Paper & Proposed Amendments (December 2023)
- BAAQMD response to BACWA Comment Letter (2/29/2024)
 - Simultaneous review of Preliminary HRA by facility and public
 - POTWs status in Phase II to allow for participation in Pooled Emission Study
 - Early risk reduction to the extent feasible
 - HRAs performed by consultant v. BAAQMD staff
- BAAQMD issued updated Implementation Procedures (April 2024)
- Anticipate draft language late summer/early fall 2024
- Anticipate additional updates to IP based on proposed amended rule



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CARB Statewide Air Toxics Pooled Emissions Study: Criteria Pollutants & Air Toxics Reporting

- AB 617 and AB 2588 were updated to “harmonize” air monitoring, reporting, & emission reductions from stationary sources in CA for a long list of compounds
- **POTWs must participate in a two-step process (individually or as a group) to determine a shortlist of compounds to be monitored and reported**
 1. Scan air space of unit processes to determine detectable compounds
 2. Perform sampling and analysis to ultimately quantify emissions of detectable compounds (Mimic 1990 Pooled Emissions Estimation Program, PEEP, but broader in scope)
- Report business-as-usual through 2028 while performing two-step process (reporting begins in 2029 for 2028 data)



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CARB Statewide Air Toxics Pooled Emissions Study: Criteria Pollutants & Air Toxics Reporting

- BACWA distributed a request from CASA to participate in the Statewide Air Toxics Pooled Emissions Study, which comes with benefits to the wastewater sector:
 - Representative POTW Source Testing Cost Savings
 - Administrative Cost Savings
 - Streamlined Project Management and Execution
 - Coordinated Statewide Action
 - Single Reference for Emission Factors for Future Use

- Who should participate or who does this apply to?
 - ≥5 MGD average annual daily flow, uncovered primaries
 - ≥10 MGD average annual daily flow, covered primaries



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CARB Statewide Air Toxics Pooled Emissions Study : Participation and Contribution Request

FY 2024: Pay July 1, 2024*	FY 2025: Pay July 1, 2024	FY 2026: Pay July 1, 2025	FY 2027: Pay July 1, 2026
\$200 per MGD	\$1,000 per MGD	TBD, budget ~\$1,250 per MGD	TBD, budget ~\$1,250 per MGD

*BACWA is fronting costs for its members for FY 2024 to allow time for budgeting.

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Updates & Next Steps

- CASA Steering Committee hired a Project Manager
- CASA distributed a summary of the Statewide Pooled Emissions Study and a requested participation, BACWA shared it with members
- Ongoing updates will be provided and opportunities for you to provide input via CASA's Air Toxics Subgroup – next meeting: June 12th



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Climate Pollutants

- BAAQMD suspended rule development for Regulation 13
- Interested in nitrous oxide (N₂O)
- Rule Development tasked with developing a white paper
- N₂O emissions may become part of Regulation 13, pending outcome of the white paper
- WRF activities



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2024 State Legislative Update

- 17 bills under review related to:
 - Air Quality
 - Hydrogen
 - Natural & Working Lands
 - Organics Diversion/SB 1383
 - Advanced Clean Fleets Regulations (most failed to pass deadlines)
 - Energy



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Open Discussion / Member Updates

- BACWA/BAAQMD Workshop Meeting June 3rd
- **Next Quarterly Meeting: TBD**



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Thank You – Enjoy the Summer!



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