



## **AIR ISSUES & REGULATIONS COMMITTEE**

**A Committee of the Bay Area Clean Water Agencies**

### Committee Meeting

November 20, 2013

10:00 am – 1:00 pm

# Introductions & Opening

# Agenda

- Introductions and Opening
- Regulatory Updates
  - I. Local Regulatory News
  - II. State Regulatory News
  - III. National Regulatory News
- Technical Resources
- Grant Opportunities
- AIR Business Items
- Closing



# Local Regulatory News

**Local Regulatory News**

**BAAQMD Regulation 2**

# BAAQMD Regulation 2 Amendments

- Amendments:
  - Adopted by BAAQMD on December 19, 2012
  - Will allow issuance of PSD and NSR permits
- Rule 4, Emissions Banking ( $PM_{2.5}$ ), is currently effective
- Rules 1, 2, & 6 are *still* being reviewed by USEPA



**Local Regulatory News**

**BAAQMD Regional Climate  
Protection Strategy**

# BAAQMD Climate Protection Resolution

- On November 6<sup>th</sup>, BAAQMD passed a climate protection resolution, which commits the BAAQMD to:
  - Developing a regional climate protection strategy
  - Setting a goal of reducing GHG emissions to 80% below 1990 levels by 2050
- As a result of this resolution, BAAQMD will prepare a *Bay Area Climate Protection Work Program* to guide climate protection activities and identify necessary resources for future action
- Additional information is available at:

[http://www.baaqmd.gov/~media/Files/Communications%20and%20Outreach/Publications/News%20Releases/2013/climateres\\_131106\\_aspx?la=en](http://www.baaqmd.gov/~media/Files/Communications%20and%20Outreach/Publications/News%20Releases/2013/climateres_131106_aspx?la=en)



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Local Regulatory News

# BAAQMD Permits Survey Results

# BAAQMD Permits Survey Results

- Received feedback from 5 facilities
- Central Contra Costa Sanitary District
  - ATC Permit for Auxiliary Boiler #2 Burner Upgrade (36 days)
  - ATC Permit for Auxiliary Boiler #1 Burner Upgrade (42 days)
  - Title V Permit Renewal (22 months)
- City of Santa Rosa Wastewater Treatment Facility
  - Title V Permit Renewal (22 months)
  - ATC Permit for CHP (6 months)



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# BAAQMD Permits Survey Results (Continued)

- East Bay Municipal Utility District
  - New Source / Exempt Source (9 weeks)
  - Title V Permit Renewal (3 years)
  - Condition Change (7 weeks)
  - Letter Requesting Condition Change (Request denied after 6 months)
- San Jose/Santa Clara RWF
  - Change of Condition (2 years, 4 months)
  - Title V Permit Renewal (1 year, 9 months and counting)
- City of Palo Alto
  - No permit applications submitted in the past 5 years



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# State Regulatory News

## State Regulatory News

# Medium- and Heavy-Duty Vehicles and Engines

# CARB Medium- and Heavy-Duty Vehicles and Engines Regulations

- GHG Emission Standards:
  - Proposes to adopt USEPA’s existing GHG emission standards for MY 2014-2018 medium- and heavy-duty vehicles and engines
    - see <http://www.epa.gov/otaq/climate/documents/420f11031.pdf> and <http://www.epa.gov/otaq/climate/regs-heavy-duty.htm>
  - Regulation will mostly affect vehicle and engine manufacturers
- Optional NOx Standards:
  - Proposes to allow manufacturers to optionally certify new medium- and heavy-duty engines to one of 3 standards: 0.1 g/bhp-hr, 0.05 g/bhp-hr, & 0.02 g/bhp-hr
  - Regulation will mostly affect vehicle and engine manufactures; however, it may have an indirect affect on future vehicle purchases or project funding
- Diesel ATCM:
  - Proposes to make vehicle owners/dispatchers responsible for compliance with the 5 min. idling requirement for commercial vehicles with a GVWR > 10,000 lbs
  - Proposes to add school, hotels, and motels to the definition of “restricted areas” such that diesel-fired auxiliary power units would not be allowed to operate more than 5 minutes within 100 feet of these restricted areas
- Additional information is available at:

<http://www.arb.ca.gov/react/2013/hdaha2013/hdaha2013.htm>



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# National Regulatory News

National Regulatory News

# 2014 Renewable Fuel Standards



# 2014 Renewable Fuel Standards

- Proposes levels of renewable fuels to be blended into gasoline and diesel
- USEPA is seeking comment on the following volumes:

Category	Proposed Volume <sup>a</sup>	Range
Cellulosic Biofuel	17 million gallons	8-30 million gallons
Biomass-based Diesel	1.28 billion gallons	1.28 billion gallons
Advanced Biofuel	2.20 billion gallons	2-2.51 billion gallons
Renewable Fuel	15.21 billion gallons	15-15.52 billion gallons

<sup>a</sup> All volumes are ethanol-equivalent, except for biomass-based diesel which is actual.



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A Committee of the Bay Area Clean Water Agencies 17

# Additional Items

**Additional Items**

**Technical Resources**

# CARB Diesel Training Courses

- **Course 504: In-Use Off-Road Diesel Vehicle Regulation**
  - Provides an overview of the regulation (applicability, current/future compliance requirements, etc.)
  - Diesel Off-Road Online Reporting System
  - Scheduled for December 5<sup>th</sup> in San Diego
- **Course 505: Large Spark-Ignition Fleet Regulation**
  - Overview of the regulation, including applicability, requirements, compliance extensions, and enforcement activities.
  - Scheduled for December 5<sup>th</sup> in San Diego
- **Course 511: Diesel Exhaust After-Treatment Devices**
  - Diesel PM health effects
  - Diesel engine PM and NO<sub>x</sub> production and control strategies
  - DPF types, applications, and regulations.
  - Scheduled for December 4<sup>th</sup> in San Diego
- **Course 520: How to Comply with CARB Diesel Regulations**
  - Reviews inspection process, non-compliance consequences, and how to comply
  - Scheduled for November 26<sup>th</sup> in Valencia and December 10<sup>th</sup> in Sacramento

<https://ssl.arb.ca.gov/training/courselist.php>



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# California's Water-Energy-Climate Nexus: Energy and GHG Emissions Embedded in Water

- On October 15<sup>th</sup>, TCR and Water Energy Innovations released a white paper addressing the relationship between water systems, energy use, and GHGs
- Proposes framework to measure energy use & GHGs of water and wastewater systems, including:
  - Development of GHG accounting guidance for water agencies
    - consistent and comparable measurement of carbon footprints
    - metrics to benchmark agency performance
  - Introduction of a single energy and GHG registry for water agencies
  - Training of resources and support for water agencies
- White paper is available for download at:

<http://www.theclimateregistry.org/downloads/2013/10/California-Water-Energy-Climate-Nexus.pdf>



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# Regional Climate Change Agreement

- On October 28<sup>th</sup>, California, Oregon, Washington, and British Columbia signed an agreement to align policies to reduce GHG emissions and promote clean energy
- Pact seeks to enhance cooperation through:
  - Accounting for the costs of carbon pollution in each jurisdiction
  - Harmonizing 2050 targets for GHG reductions and developing mid-term targets needed to support long-term reduction goals
  - Expanding the use of zero-emission vehicles
  - Adopting and maintaining low-carbon fuel standards in each jurisdiction
  - Supporting research on ocean acidification
  - Continued deployment of high-speed rail across the region



# Combined Heat and Power (CHP) Technical Assistance Partnerships

- DOE has launched 7 new regional CHP Technical Assistance Partnerships to help achieve the national goal of 40 gigawatts of new CHP capacity by 2020, which is a 50% increase from 2013
- Organizations will:
  - Offer best practices for CHP project financing, market analysis tools and resources, and technical site evaluations, including assistance throughout the project development process
  - Support research, development, and demonstration projects to help grow the CHP market, including finding CHP solutions that fit small- and medium-sized facilities and accelerating new product commercialization
  - Provide information on the energy and non-energy benefits and applications of CHP to state and local policy makers, regulators, energy end-users, trade associations, etc.
- Additional information is available at:

<http://www1.eere.energy.gov/manufacturing/distributedenergy/chptaps.html>



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# Climate Ready Water Utilities (CRWU) Initiative and Water Utility Climate Alliance (WUCA)

- Webinars will assist the water sector in:
  - Developing a better understanding of climate change
  - Managing impacts
  - Creating adaptation strategies
- Webinars will also:
  - Include presentations from utility representatives that have used the planning methods to make critical decisions
  - Provide tools and resources to facilitate the planning process
- Webinars are currently scheduled for December 4<sup>th</sup> and March 19<sup>th</sup>
- Additional information is available at:

<http://water.epa.gov/infrastructure/watersecurity/climate/index.cfm>



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# Communicating Effectively to Ensure the Long-Term Success of Climate/Clean Energy Programs

- USEPA's State and Local Climate and Energy Program is hosting a 3-part webcast series on communications
- Part 1: Gaining Support & Attracting Participation Through Communication
  - Developing and using a communications plan
  - Statistics that engage, empower, & transform participation into results
  - Case studies:
    - understanding your audience
    - tailoring strategies to meet their needs
- Part 2: Role of Communication in Ensuring Behavior Change
  - How communications tools can be used to achieve behavior change
  - Case studies:
    - role of behavior change
    - using incentives to recognize behavior change
    - how to measure behavior change



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# Communicating Effectively to Ensure the Long-Term Success of Climate/Clean Energy Programs

- Part 3: Using Effective Communication to Showcase Successes
  - How communities must publicize the success of their programs
  - Case studies:
    - how to showcase the benefits and successes
    - how to effectively share best practices to encourage replication of successes
- Webcasts are scheduled for December 4<sup>th</sup>, 11<sup>th</sup>, and 18<sup>th</sup>
- <http://www.epa.gov/statelocalclimate/>



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# USEPA's Office of Water: Draft Climate Change Adaptation Implementation Plan

- USEPA released draft *Climate Change Adaptation Implementation Plan* in November for public review
  - Details USEPA plans to help communities adapt to climate change
  - Recognizes need to integrate climate adaptation planning into EPA's programs, policies, rules, and operations to ensure effectiveness as the climate changes
  - Provides overview of opportunities & resources to protect water quality and availability
- Public comments are due January 3, 2014
- The draft plan is available for download at:

<http://epa.gov/climatechange/Downloads/impacts-adaptation/office-of-water-plan.pdf>



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# USEPA Climate Ready Estuaries Program: Workbook on Developing Climate Change Adaptation Plans

- Planning for climate change impacts is a 2-part process:
  1. *Vulnerability assessment* - identify and assess the climate change risks that may be a threat to an organization's goals
  2. *Action planning* - uses the vulnerability assessment to set priorities and develop responses
- USEPA released a draft workbook that provides guidelines for this process, including:
  - A systematic process to determine:
    - The risks that should be addressed
    - Approaches for building local capacity to understand and manage the risks
  - A guide to climate change adaptation planning based on USEPA's experience with watershed management
- Comments due November 22<sup>nd</sup>



# Creating and Expanding Funding Streams for Adaptation Planning and Implementation

- First webinar of the National Adaptation Webinar Series will:
  - Explore ways to use existing mandates to implement adaptation
  - Provide a forum on challenges and creative ways to move adaptation forward
    - Case study: how adaptation is moving forward in the City of Cleveland
- Webinar is November 21<sup>st</sup>
- Register for the webinar at:  
<http://lists.icfwebservices.com/t/82681/1193100/5886/31/>



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# 2014 Climate Leadership Conference

- Annual conference convenes forward-thinking leaders to share:
  - energy and climate-related solutions
  - introduce new opportunities
  - provide support for those addressing climate change
- Scheduled for February 24 – 26, 2014 in San Diego
- Early registration is open through December 12<sup>th</sup>
- Conference topics include, but are not limited to:
  - California Adaptation Strategy
  - GHG Reduction Goal Setting
  - The Energy-Water Nexus: Understanding Risk & Impact on Operations
  - Zero-Carbon Power: Integrating Renewable Energy Into Your Portfolio
  - Solutions for Long-term Energy Planning
  - Innovation Initiatives in GHG Management
- Conference details are available at:

<http://www.climateleadershipconference.org/>



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**Additional Items**

**Grant Opportunities**

# State Water Board's Clean Water State Revolving Fund (CWSRF) Program

- CWSRF Program:
  - Accepts applications on a continuous basis
  - Offers low interest financing agreements for water quality projects
  - Disburses \$200 - \$300 million annually
- Any city, town, district, or other public body created under State law is eligible for funding
- Eligible projects include Wastewater Treatment Facility Construction Projects, local sewers, etc.
- Additional information is available at:

[www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/srf/srf\\_forms.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/srf_forms.shtml)



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# Free Energy Audits

- California Energy Commission's Energy Partnership Program:
  - Provides up to \$20,000 of technical support to identify energy projects and their technical and economic viability
  - Available to both water and wastewater utilities
- Applications accepted on a first-come, first-serve basis
- Questions: Shahid Chaudhry at (916) 654-4858 or [Shahid.Chaudhry@energy.ca.gov](mailto:Shahid.Chaudhry@energy.ca.gov)
- Additional information is available at: <http://www.energy.ca.gov/efficiency/partnership/>



# CARB's Clean Vehicle Rebate Project (CVRP)

- CVRP Program:
  - Accelerates the number of ultra-clean vehicles sold in California
  - Helps establish a sustainable market
- CVRP offers rebate funding for Hybrid and Zero-Emission Vehicles:
  - \$57 million in funding secured for FY13-14, available through 2015 on a first-come, first-serve basis
  - Approximately 54% of funding still available
  - Rebates of up to \$2,500 per light-duty vehicle available for purchase or lease of new eligible zero-emission or plug-in hybrid electric vehicles
- Additional information is available at:

<http://energycenter.org/index.php/incentive-programs/clean-vehicle-rebate-project>



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# CARB's Truck Loan Assistance Program

- Truck Loan Assistance Program:
  - Helps small business fleet owners finance truck upgrades required under CARB's In-Use Truck and Bus Regulation
  - Helps truck owners purchase cleaner trucks, exhaust retrofits, and truck efficiency upgrades
- Program offers competitive-rate financing for fleets meeting the following criteria:
  - Company must be a small business (100 employees or less and less than \$10 million in annual revenue)
  - Fleet must operate in California a minimum of 51% of the total mileage
  - Fleet must be 40 or fewer heavy-duty trucks
- An additional \$18 million in funding is available
- Additional information is available at:

[http://www.arb.ca.gov/msprog/truckstop/funding/loans\\_fa.htm](http://www.arb.ca.gov/msprog/truckstop/funding/loans_fa.htm)



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# Carl Moyer Memorial Air Quality Standards Attainment Program

- BAAQMD's Carl Moyer Program:
  - Strives to reduce air emissions from local heavy/medium-duty engines
  - Approximately \$15 million is available for emission reduction projects
  - Accepting applications on a first-come, first-serve basis
- Grants:
  - Cannot be used for projects currently required by law
  - Can be used for equipment compliance at least 3+ years prior to laws
  - Are available for projects that:
    - Install verified emission control devices
    - Replace older heavy-duty engines with newer and cleaner engines
    - Replace older equipment with newer and cleaner equipment
    - Purchase new equipment that is cleaner than the law requires
    - Install electric idling-reduction equipment
- Revised program guidelines adopted October 30<sup>th</sup>

<http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>



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# Voucher Incentive Program: On-road Heavy-Duty Vehicles

- Program:
  - Provides funding to reduce on-road heavy-duty diesel truck emissions
  - Applies to owners and operators of fleets of < 10 vehicles
  - Applies to on-road trucks with a GVWR > 14,000 pounds
- Available funds:
  - Total of \$3 million available now for the BAAQMD
  - Up to \$45,000 towards the purchase of a new vehicle
  - Up to \$10,000 for purchase/ installation of retrofit device
- Applications accepted on a first-come, first-serve basis
- Revised program guidelines adopted October 20<sup>th</sup>:

<http://www.arb.ca.gov/msprog/moyer/guidelines/current.htm>



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A Committee of the Bay Area Clean Water Agencies

# Hybrid & Zero-Emission Truck & Bus Voucher Incentive Project

- Project:
  - Provides vouchers to help California fleets purchase hybrid and zero-emission trucks and buses
  - Fleets can order as many as 200 vouchers, with a limit of one voucher per vehicle
  - Only applies to heavy- and medium-duty vehicles
- Available funds:
  - Total of \$15 million available now
  - Up to \$55,000 towards the purchase of a new truck or bus
  - Vouchers expected to be available starting in December
- Applications accepted on a first-come, first-serve basis
- Additional information is available at:

<http://www.californiahvip.org/default.aspx>



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# Alternative and Renewable Fuel and Vehicle Technology Program

- Program provides financial support for projects that:
  - Reduce the use of petroleum fuels and increase the use of alternative/renewable fuels and advanced vehicle technologies
  - Produce sustainable alternative and renewable low-carbon fuels
  - Improve efficiency, performance, and market viability of alternative light-, medium-, and heavy-duty vehicle technologies
  - Retrofit medium- and heavy-duty on-road and non-road vehicle fleets to alternative technologies or fuel use
- Available Funding from CEC:
  - Up to 25% or \$1.1 million of the total project cost
  - Applications due January 10, 2014
  - Additional information is available at:  
<http://www.energy.ca.gov/contracts/transportation.html#PON-13-604>
- Additionally, the Draft 2014-2015 Investment Plan Update proposes to fund up to \$20 million to support the in-state production of biofuels, including biofuels derived from waste-based feedstock.



# Public Interest Energy Research Natural Gas Program

- Program supports research, development, and demonstration projects related to renewable energy, advanced generation, and energy-related environmental research within the following areas:
  - Improving the performance and advancing the market penetration of CHP
  - Addressing technical and economic challenges to the development and market deployment of CHP systems that use associated gas
  - Accelerating the deployment of localized power generation and CHP
  - Reducing emissions for the direct use of biogas/biomethane, potential operational issues associated with the use of low heating value gas, and post-combustion technologies
- Applications due December 6<sup>th</sup>
- Additional information is available at:

<http://www.energy.ca.gov/contracts/pier.html#PON-13-502>



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# REMOTE Program

- REMOTE: Reducing Emissions Using Methanotrophic Organisms for Transportation Energy
- Program will provide \$34 million to find advanced biocatalyst technologies that can convert biogas to liquid fuel for transportation
- Current synthetic gas-to-liquids conversion approaches are technologically complex and require large, capital-intensive facilities, which limit widespread adoption
- Program goals include:
  - Lowering the cost of gas to liquid conversion
  - Enabling the use of low-cost, low-carbon, domestically-produced natural gas
- List of current projects is available at:

[http://www.arpa-e.energy.gov/sites/default/files/documents/files/METALS%26REMOTE\\_Project\\_Descriptions\\_091913.pdf](http://www.arpa-e.energy.gov/sites/default/files/documents/files/METALS%26REMOTE_Project_Descriptions_091913.pdf)



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# USDA Funding to Develop Advanced Biofuels Projects

- Biorefinery Assistance Program:
  - Provides loan guarantees to viable commercial-scale facilities to develop new and emerging technologies for advanced biofuels
  - \$181 million in funding available to develop biorefineries or retrofit existing facilities with appropriate technology
- Applications are due January 30, 2014
- Example Project – Fremont Community Digester:
  - Received a loan guarantee for \$12.8 million
  - Constructed an anaerobic digester which processes more than 100,000 tons of food waste
  - Biogas from the digester runs generators which produce 2.85 MW electricity which is sold to the local utility
- Additional information is available at:  
[http://www.rurdev.usda.gov/BCP\\_Biorefinery.html](http://www.rurdev.usda.gov/BCP_Biorefinery.html)



**Additional Items**

**AIR Business Items**

# BACWA AIR Budget Update

- Total Budget for FY 2013/2014: \$74,441
  - Spent: \$29,758 (through last Friday the 15<sup>th</sup>)
  - 40% of budget



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# BACWA Meetings

- Upcoming Meetings:
  - Volunteers for future field trips
  - BAAQMD Meeting
    - Pam Leong – new engineering manager
      - Not much has changed since March meeting
    - Discuss topics of interest
      - Updating facility data in BAAQMD database
      - Permit review delays
      - Review any topics covered last year?
  - IC Engines Permitting Roundtable (see following slides)



# Engine Categories

- Engines Subject to BAAQMD Permits:
  - Prime movers (digester gas blend generator and blower engines)
  - Emergency engines
  - Portable engines (if not under State Registration)
- Engines Regulated at the State Level:
  - Off-road mobile vehicles and equipment
  - On-road mobile vehicles
  - Portable equipment engines



# Example Agenda for Engine Roundtable

- Applicable regulations
- Schedule
- Time-frame
- Cost
- Data and analysis
- Permit package
- Communications



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# Closing

Next Meeting: Wednesday, January 22, 2014

*(actually the 4<sup>th</sup> Wednesday since Jan. 1<sup>st</sup> is Wed.)*



# Additional Slides



**AIR ISSUES & REGULATIONS COMMITTEE**  
A Committee of the Bay Area Clean Water Agencies 49

# Biogenic Emissions Coalition Update

- Current Clean Air Act PSD and Title V permitting requirements will apply to CO<sub>2</sub> emissions from POTW treatment processes and the combustion of biosolids and biogas starting in July 2014
- *Center for Biological Diversity, et al. v. USEPA:*
  - Court ruled against the 3-year deferral of GHG standards for biomass burning
  - Court's decision should add urgency to USEPA's effort to amend its tailoring rule
- Deadline to appeal the Court's decision was extended to 30 days after the U.S. Supreme Court decides whether it will hear lawsuits challenging USEPA's GHG regulations & permitting process
- Extension allows USEPA and affected industry groups to:
  - Find a solution that allows continued deferral of biogenic GHG emissions from the Title V and PSD permitting programs
  - Discuss specific impacts of any decisions on wastewater utilities
  - Work on a permanent exemption for these emissions



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# USEPA's Report of Climate Change Impacts on Streamflow and Water Quality

- Watershed modeling conducted to characterize the sensitivity of streamflow, nutrient, & sediment loading to plausible climate change/urban development scenarios
- The final report provides improved understanding of:
  - Challenges associated with integrating existing tools & data sets
  - The complex and context-dependent relationships between climate change, land use change, and water resources in different regions of the nation
  - How future conditions likely different from past experience
- The final report is available for download at:

<http://cfpub.epa.gov/ncea/global/recordisplay.cfm?deid=256912>



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## Local Regulatory News

### **BAAQMD:**

- Amendments to Reg. 2, Rules 1, 2, 4 and 6
- Adoption of Fine Particulate Matter Emission Inventory

# BAAQMD: Amendments to Reg. 2 and PM<sub>2.5</sub> Emissions Inventory

- November 7, 2012, BAAQMD Board public hearing:
  - (1) adoption of proposed amendments to Regulation 2 Permits
    - Rule 1: General Requirements
    - Rule 2: New Source Review
    - Rule 4: Emissions Banking
    - Rule 6: Major Facility Review
  - (2) adoption of a District Emissions Inventory for fine particulate matter (PM<sub>2.5</sub>) for year 2010.
- These amendments will be submitted to the USEPA for:
  - Approval
  - Revise the CA State Implementation Plan (SIP)



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# BAAQMD: Amendments to Reg. 2 and PM<sub>2.5</sub> Emissions Inventory

- Purpose:
  - Incorporate recent U.S. EPA requirements for NO<sub>2</sub>, PM<sub>2.5</sub>, and GHG Prevention of Significant Deterioration (PSD) & Title V permitting
  - Make it consistent with recent changes in Fed. requirements, so BAAQMD can issue PSD and New Source Review (NSR) permits
  - Obtain approval of its SIP
    - Clean Air Act requires SIPs for areas in non-attainment of air quality standards



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# BAAQMD: Amendments to Reg. 2 and PM<sub>2.5</sub> Emissions Inventory

- Potential impacts to BACWA POTWs:
  - Most of the changes will affect major facilities
  - Facilities that apply for new or modified permits for sources of PM<sub>2.5</sub> will be subject to a new BACT
  - BAAQMD will list PM<sub>2.5</sub> as a criterion pollutant
    - BACT for any new project with PM<sub>2.5</sub> > 10 lbs./day
    - Only enforceable by BAAQMD until the SIP is updated and then the USEPA can also enforce under Title V.
    - NH<sub>3</sub> is a precursor to PM<sub>2.5</sub> and so NH<sub>3</sub> will be regulated as both a Toxic Air Contaminant and a PM<sub>2.5</sub> precursor
  - For CCCSD, biggest impact is more fees for the PM<sub>2.5</sub> precursor
  - PM<sub>2.5</sub> limitations can always be imposed if required as a mitigation under a CEQA finding
  - Smaller facilities that are not applying for new or modified permits will not be affected by the rule changes

# BAAQMD: Amendments to Reg. 2 and PM<sub>2.5</sub> Emissions Inventory

Additional details:

- Regulatory Amendments: <http://www.baaqmd.gov/Divisions/Engineering/Proposed-Reg-2-Changes.aspx>.
- Emissions Inventory: <http://www.baaqmd.gov/Divisions/Planning-and-Research/Plans/PM-Planning.aspx>



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