

BACWA AIR Issues Matrix

Item	Description	Issues for POTWs	Current Status and Updates	Links	Lead	Next Steps	Effective Date
Current Issues							
Fleet Regulations	Heavy Duty Diesel Regulations: initially considered in 2008 and requires fleets that operate in California to reduce diesel truck and bus emissions by retrofitting or replacing existing engines	- Retrofitting requirements for fleets - Reporting requirements for specific sizes of fleets - PM and NO _x requirements for equipment emissions	- Amendments were considered in December 2010 to provide more time for fleets to comply - Amended regulation requires installation of PM retrofits beginning January 1, 2012 and replacement of older trucks starting January 1, 2015 - By January 1, 2023, nearly all vehicles would need to have 2010 model year engines or equivalent.	http://www.arb.ca.gov/msprog/ort/diesel/omrdiesel.htm	Divya Bhargava		January 1, 2012
	In-use Off-road Diesel Regulation: Adopted in 2007 to reduce diesel particulate matter (PM) and oxides of nitrogen (NOx) emissions from in-use (existing) off-road heavy-duty diesel vehicles in California	- Subject to diesel-powered off-road vehicles in California with engines with maximum power of 25 horsepower and two-engine vehicles - Regulation does not apply to stationary equipment or portable equipment such as generators	- ARB made amendments to the in-use off-road diesel regulation in December 2010: • four year extensions of compliance deadlines • reduction & simplification of annual requirements • making exhaust retrofits no longer mandatory • raising low use threshold to 200 hours (instead of 100) - On February 11, 2010, ARB issued a delay of the regulation's NOx and PM requirements pending further notice. Reporting, labeling, idling and disclosure requirements are still in effect - Amendments approved and became effective on December 14, 2011	http://www.arb.ca.gov/msprog/og/ordiesel/ordiesel.htm	Divya Bhargava		December 14, 2011
Mandatory Reporting of GHGs / Cap & Trade	CARB's Mandatory Reporting Regulation for Greenhouse Gases: Revisions made to the program to support a greenhouse gas cap-and-trade program and harmonize with U.S. EPA reporting requirements	- Revisions include the following: • Reporting threshold lowered from 25,000 metric tons/year of CO ₂ to 10,000 mton/yr of carbon dioxide equivalents (CO _{2e}) • Facilities with emissions between 10,000 and 25,000 mton/yr file an abbreviated report and not required to undergo third-party verification • Cogeneration category (> 1 MW power and 2500 mton/yr of emissions) eliminated	- California's Office of Administrative Law (OAL) approved the Mandatory Reporting of GHG Emissions Regulation on December 14, 2011 - Enforcement of CARB's Cap & Trade rule has been deferred from 2012 to 2013 - June 1, 2013 is first time reporting for facilities emitting between 10,000 and 25,000 Metric Tons per year	http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm	Divya Bhargava		January 1, 2012
	CARB's Cap & Trade program	Program requires capping of GHG emissions and reporting of emissions	- Cap and trade adopted October 20, 2011 - California's OAL approved the Cap & Trade program on December 14, 2011 - First cap reduction will begin 2015, with 30% reduction by January 1, 2020 - There will be two compliance instrument auctions in August and November 2012	http://www.arb.ca.gov/sectact/2010/capandtrade10.htm	Divya Bhargava	Enforcement of CARB's Cap & Trade rule has been deferred from 2012 to 2013	January 1, 2012
Addition of Digester Gas to Definition of EPA's New Incinerated Solid Waste Definition	EPA GHG Mandatory Reporting	Program requires reporting from large emission sources across a range of industry sectors (there are only a few wastewater agencies in California that exceed the 25,000 ton/yr fossil fuel-based emissions threshold)	- EPA issued a final rule that extends the deadline for reporting 2010 data to September 30, 2011 - On August 22, 2011 EPA opened the electronic GHG reporting tool (e-GGRT) for 2010 GHG reporting - 2010 GHG data released on January 11, 2012 and accessible to public	http://www.epa.gov/climatechange/emissions/			September 30, 2011
	- EPA proposed definition of solid waste: Regulatory Status of Digester Gas, Biosolids Destined for Combustion Units	- Regulatory status of sewage sludge incinerators (SSIs) - Regulatory status of digester gas generated during anaerobic digestion of sewage sludge, and biosolids or biosolids-derived products	- Through a May 13, 2011, policy letter, EPA has clarified that it did not intend to include these gases under its solid waste rules - NACWA recommends that members who generate and burn digester gas in any manner obtain a copy of the May 13, 2011, letter and maintain it in their files should the regulatory status of their gas operations be called into question - In August 2011, NACWA, CASA, & CWCCG met with EPA staff to discuss the potential impacts of a new EPA rule on the clean water community's management of digester gas, and have requested written clarification that will specifically address wastewater digester gas - Awaiting EPA's response on this		Divya Bhargava	Awaiting clarification letter from EPA	
Status of National Ambient Air Quality Standard (NAAQS) for Ground-level Ozone	- Draft created by EPA in 2008, & was focused on developing new anti-smog standards - EPA proposed stricter standards in January 2011, and reconsidered proposed standard in July 2011	- May affect current or proposed CARB and BAAQMD regulations of ozone precursors (NO _x , CO, and VOCs) - Final rule developed by EPA would have established an 8-hour ozone standard of 70 parts per billion (ppb), approximately 7% lower than the 2008 standard of 75 parts per billion	- On September 2, 2011, Statement by the President on the NAAQS for ozone requested that EPA Administrator Lisa Jackson withdraw the Ozone NAAQS draft until further notice - EPA circulated memorandum on September 2 2011, indicating they would soon begin an expedited rulemaking on the implementation of the standards - EPA is due to revisit the ozone standard again in 2013, under the Clean Air Act	http://www.nacwa.org/index.php?option=com_content&view=article&id=1208&Itemid=14 http://www.epa.gov/glo/actions.htm#ian10s	Divya Bhargava		

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Misc. Equipment Emission Regulations - Boilers, Turbines, etc.	BAAQMD Regulation 9, Rule 7: Compliance Extensions: NO _x and CO from Boilers, Steam Generators & Process Heaters: Changes proposed to regulation	- Various equipment is used on-site for WWTF operations and is also subject to air quality regulation: amendments to compliance dates and options	- Proposed amendments to Regulation 9, Rule 7 adopted on May 4, 2011	http://www.baaqmd.gov/?sc=ItemId=D39A3015-453E-4A0D-9C76-6FE4DA5AED5	Divya Bhargava		May 4, 2011	
	EPA's new emissions standards for large and small boilers and incinerators that burn solid waste and sewage sludge	New Area Source standards do not apply to boilers that burn only gaseous fuels (including biogas) or solid waste. - New Major Source standards do impact boilers that burn gaseous fuels	- Final rules were published in the Federal Register on March 21, 2011; On May 16, 2011, EPA announced its next step in allowing time to seek and review additional public input on the final standards - On December 2 2011, EPA issued proposed reconsiderations for rules to reduce emissions of air pollutants from existing and new Boilers and major and area source facilities, and from Commercial and Industrial Solid Waste Incinerators (CISWI) - New Boiler MACT rule includes: more differentiated standards that are tailored to new subcategories of sources; modified emission limits for certain pollutants; and additional flexibility with respect to compliance monitoring - Comment periods will be 60 days and there will be an opportunity for a public hearing	http://www.epa.gov/airquality/com-bustion/actions.html#Feb11	Divya Bhargava	EPA will plans to finalize rule in Spring 2012	April 2012	
Funding Opportunities	- General funding opportunity tracking for BACWA AIR Members - Includes funding directly for Wastewater projects as well as Water, Alternative Energy, and Energy Efficiency projects that may also be applicable to projects at POTWs <i>State Water Board's Clean Water State Revolving Fund Program (CWSRF)</i>	- Securing funding for much needed projects at member agency sites -The CWSRF program offers low interest financing agreements for water quality projects. Annually, the program disburses between \$200 and \$300 million to eligible projects	- Applications for the CWSRF are being accepted on a continuous basis	http://baewa.org/committees/air-issues-regulations/grant-opportunities	Divya Bhargava		Ongoing application accepted	
	<i>California Energy Commissions' Loan Funding for Energy Efficiency and Energy Generation Projects</i>	Projects with proven energy and/or capacity savings are eligible, provided they meet the eligibility requirements	- The California Energy Commission has announced the availability of funds for low-interest loans for energy efficiency and energy generation projects - Approximately \$3.6 million is currently available	http://www.energy.ca.gov/efficiency/financing/index.html			March 31, 2012	
	<i>Biofuels Production Facilities</i> : The intent of this solicitation is to encourage production of alternative and renewable transportation fuels such as biomethane, gasoline and diesel substitutes in California that can significantly reduce GHG emissions and petroleum fuel demand, and stimulate economic development in the state	Funding will be available for new, low carbon facilities, or for projects that lower the carbon intensity of fuels produced at existing facilities			http://www.energy.ca.gov/contracts/transportation.html#PON-11-601	Divya Bhargava	Proposal workshop: January 27, 2012.	February 21, 2012
	<i>Sustainable Communities Planning Grant</i> : The grant program supports development, adoption, and implementation of various planning elements	Funds awarded will support development, adoption, and implementation of Sustainable Community planning elements throughout the State, including, but not limited to, Climate Action Plans and General Plan amendments	- Department of Conservation (DOC) has released round two of the Sustainable Communities Planning Grant Request for Proposals, funded through the Safe Drinking Water, Water Quality and Supply, Flood Control, River and Coastal Protection Act of 2006 (Proposition 84) - DOC has allocated approximately \$18 million of Proposition 84 funds for round two - The grants awarded from this solicitation will cover up to a three-year project period; Grant requests for amounts from \$100,000 to \$1,000,000 will be considered - DOC is utilizing the State Water Resources Control Board (State Water Board) Financial Assistance Application Submittal Tool (FAAST) system to facilitate the application	http://scc.ca.gov/planning_grants.html	Divya Bhargava		February 15, 2012	

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<p>Proposed Climate Change Bay Plan Amendment</p>	<p>- San Francisco Bay Conservation Development Commission (BCDC) Bay Plan Amendment to incorporate the findings of climate change adaptation to protect the Bay environment and essential public infrastructure from the potential impacts of sea level rise</p>	<p>- Bay plan amendment talks about protecting critical infrastructure (including wastewater treatments plants) from the impacts to sea level rise</p>	<p>- Public workshops were held on May 19th, June 2nd, and September 1st 2011, to provide the Commission with the opportunity to directly engage with the representatives from business and environmental communities to better understand their perspectives on the outstanding policy issues, and to allow the public to provide additional input on the draft findings and policies. - BACWA AIR attended the BCDC meeting on May 19th and September 2nd, and submitted a comment letter supporting the language in the Bay Plan Amendment about protecting critical infrastructure. - BCDC approved Bay Plan Amendments on October 6, 2011 - The California OAL the Bay Plan amendment on December 22, 2011 and the policies are now in effect under state law</p>	<p>http://www.bcdc.ca.gov/proposed-bay-plan/bp-amend-1-08.shtml</p>	<p>Divya Bhargava</p>		<p>December 22, 2011</p>
<p>Past Issues</p>							
<p>Portable Engine Emissions Regulations</p>	<p>- <i>Portable Diesel-Fueled Engines Air Toxic Control Measure (ATCM)</i>: for engines rated 50 brake horsepower or greater - <i>Statewide Portable Equipment Registration Program (PERP)</i>: Owners or operators of portable engines can register their units under the PERP in order to operate their equipment throughout California without having to obtain individual permits from local air districts - <i>CARB's ACTM for Stationary, CI Engines</i>: Amendments made to the program Purpose: to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary new and in-use diesel-fueled CI engines. Except as provided in sections 93115.3 and 93115.9, this ATCM applies to any person who owns or operates a stationary CI engine > 50 bhp in CA.</p>	<p>- Portable engines may be used on-site at POTWs: An engine moved to more than one location within a facility is portable. It does not have to leave the facility - Emission Limits for New Emergency Standby Engines: requires any new emergency standby engine to meet the 2007 model year or newer emissions limits in the Off-Road Standards, title 13, California Code of Regulations section 2423, for all pollutants. - Tier 4 Emissions Limit and Sell-Through Requirements for Prime Engines: aligns the PM emissions limit for CI engines with the NSPS standard of 0.02 g/bhp-hr. In addition, the amendments align with the NSPS final rule deadlines for installing prime engines from a previous model year</p>	<p>- ATCM became effective February 19, 2011 - Requirements for fuels and diesel PM standards - Revisions made to the PERP Regulation and Portable Engine ATCM. These revisions became effective on February 19, 2011 - Amendments made to title 17, California Code of Regulations sections 93115 through 93115.15, for Stationary, CI Engines on May 19, 2011</p>	<p>http://www.arb.ca.gov/diesel/peatc/m/peatcm.htm http://www.arb.ca.gov/portable/per/table.htm http://www.arb.ca.gov/diesel/statap/ort.htm</p>	<p>Divya Bhargava</p>		<p>February 19, 2011</p>
<p>Stationary Engine Emissions Regulations</p>					<p>Divya Bhargava</p>		<p>May 19, 2011</p>