



# Advanced Environmental Controls

Consulting and Engineering Services, Inc.

*SERVING INDUSTRY & THE ENVIRONMENT*

# Environmental *focus*

## *Environmental News*

### **CARB Proposes CA GHG Emissions Trading Program**

- On October 28, 2010, CARB released its proposed greenhouse gas cap-and-trade regulations.
- CARB will accept public comments on the proposed regulations until December 16, 2010.
- The program will cover the following industries:
  - Starting in 2012: electricity, including imports and large industrial facilities.
  - Starting in 2015: Distributors of transportation fuels, natural gas, and other fuels.
- Reductions required from 2012-2020 are 273 million metric tons of CO<sub>2</sub>e.
- The 2020 cap will be approximately 15% below 2012 levels.
- Industrial sources will start with a free allocation, remainder will be auctioned.
- Compliance periods will be three years in length to allow for variations in output/ production.
- Facilities will surrender allowances for 30% of the previous year's emissions on an annual basis.

### **SCAQMD Rule 1714 – Prevention of Significant Deterioration – Greenhouse Gases**

- On June 3, EPA established BACT and permitting requirements for GHG emissions under Prevention of Significant Deterioration (PSD).
- SCAQMD proposes incorporating the federal requirements by reference into the new Rule 1714.
- BACT for GHGs will be implemented as developed by US EPA or determined on a case-by-case basis by SCAQMD.
- As of January 2, 2011, any new source already subject to PSD regulation for new construction or modification and having an increase in GHG emissions >75,000 tons per year CO<sub>2</sub>e will be required to undergo a BACT evaluation for GHG emissions.
- As of July 1, 2011, sources with a potential to emit > 100,000 tons per year CO<sub>2</sub>e will be subject to the regulation.
- Sources emitting < 50,000 tons per year CO<sub>2</sub>e will not be subject to the regulation until April 30, 2016 at the earliest.

### **SCAQMD Amendments to Regulation XXX – Title V Permits**

- As a result of implementing Rule 1714, SCAQMD is also proposing to amend the Title V permit program.
- The regulation will be amended to include GHGs in Title V permits.
- Some facilities that may be impacted include: cement plants, cogeneration facilities, power generation facilities, chemical manufacturing, and refineries.

### **2010 – 2011 Storm Season**

- Facilities subject to NPDES requirements need to collect storm water samples at least twice during the storm season.
- The samples must be analyzed for various environmental contaminants depending on the industry.
- The storm season in Southern California runs from October 1, 2010 through May 31, 2011.
- Reporting of sampling results must be completed by July 1, 2011.
- Sample results will be compared to Regional Water Board benchmark values to determine compliance.

### **SCAQMD Rules Recently Adopted or Amended**

- Regulation XXVII – Climate Change (Amended)
- Rule 1110.2 – Emissions from Gaseous and Liquid Fueled Engines (Amended)
- Rule 1143 – Consumer Paint Thinners and Multi-Purpose Solvents (Amended)
- Rule 1193 – Clean On-Road Residential and Commercial Refuse Collection Vehicles (Amended)
- Rule 1401 – New Source Review of Toxic Air Contaminants (Amended)
- Rule 1420.1 – Emissions Standards for Lead from Large Lead-Acid Battery Recycling Facilities (Adopted)
- Regulation XX – Proposed Amendments to SO<sub>x</sub> RECLAIM

## Proposed Amendments to CARB In-Use Off-Road Diesel-Fueled Vehicle Regulation

- The proposed changes to the regulation provide a path to compliance without any required retrofits, simplify the regulations, and lower the costs of the regulation significantly.
- Delays the start of requirements by 2 years for all fleets.
- Extends double credits for early retrofits.
- Increases low-use threshold from 100 to 150 hours/year.
- Removes the 2012 requirements for fleets that were in compliance with 2010 requirements.
- Provides a simpler compliance option for the smallest fleets (those fleets with less than 500 hp can phase out Tier 0 and Tier 1 engines beginning in 2017).
- Allows turnover in lieu of retrofitting... No fleet is ever forced to apply an exhaust retrofit.
- Lowers the annual requirements to clean up engines to no more than 5-10% of a fleet's horsepower.

★ *These proposed amendments along with the proposed amendments to the CARB In-Use Heavy Duty Diesel-Fired Vehicle Regulation will be considered by CARB on December 16 and 17, 2010*

### Coastal Air Credits for Sale

15 pounds PM<sub>10</sub> ERC  
75 pounds VOC ERC

### Coastal RTC's for Sale

40,000 – 50,000 pounds 2010 Cycle 1  
40,000 – 50,000 pounds 2011 Cycle 2

## ? ASK THE EXPERTS

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## Proposed Amendments to CARB In-Use Heavy Duty Diesel-Fueled Vehicle Regulation

- CARB is proposing major changes to the Truck and Bus regulation to simplify and streamline the regulations while providing fleets more flexibility in how to reduce their emissions.
- The amended regulation would exempt smaller vehicles from meeting PM filter requirements and delay the first replacements for all trucks until 2015. No engine less than 20 years old would be replaced until 2020.
- Trucks with GVWR\* < 26,001 pounds:
  - No requirements until 2015
  - Replace 20 year old or older engines from 2015 to 2020
  - All trucks must have 2010 engines by 2023
- Trucks with GVWR > 26,000 pounds:
  - Follow compliance schedule by engine model year
  - PM filters installed from 2012-2014 on 2006 or older model years
  - Replace 20 year old engines from 2015-2020
  - All trucks must have 2010 engines by 2023

\* GVWR = Gross Vehicle Weight Rating

### Rule 1147 Compliance

- Facilities with combustion equipment must perform maintenance per manufacturer specifications and maintain records.
- Burners must be upgraded to meet stricter NO<sub>x</sub> requirements per the schedules in Rule 1147.
- Non-resettable gas meters must be installed on combustion equipment by January 1, 2011.

## UPCOMING REPORTING DEADLINES

DELIVERABLE	DEADLINE
SCAQMD – NOx Monthly Report for RECLAIM Facilities	15 <sup>th</sup> of every month
SCAQMD – QCER for RECLAIM Facilities	October 30, 2010
Business Emergency Response Plan	December 31, 2010
Rule 1472 Compliance Plan for Health Facilities, College, and Gov't Agencies	January 1, 2011
SCAQMD Rule 1146 Compliance Plan for Group III Units	January 1, 2011
SCAQMD Permit Application Deadline for Group II Units	January 1, 2011
Various State Electronics Manufacturer E-Waste Registrations	December 31, 2010 – January 1, 2011

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