



Advanced Environmental Controls Consulting and Engineering Services, Inc.

SERVING THE INDUSTRY & ENVIRONMENT

Environmental *focus*

Air Quality News

SCAQMD Rule 1470 I.C. Engine Compliance

- A diesel particulate filter (DPF) is required for all I.C.E. permitted after January 1, 2013 for companies with a Title V permit.

SCAQMD Rule 1147 NOx Reductions Deadline

July 1, 2013 Nitrogen Oxide (NOx) Limits.

- Applies to small and medium size combustion units.
- This includes ovens, dryers, heaters, furnaces, heated pots, cookers, fryers, heated tanks and evaporators, oxidizers and absorption chillers.
- Equipment manufactured prior to 1998 is subject to emission limits effective July 1, 2013.

CARB adds \$6 Million to Help Consumers Buy the Cleanest Cars

- The successful rebate program is helping establish California as the electric vehicle capital of the nation. Currently, demand is strong for zero-emission and plug-in hybrid vehicles.
- California accounts for about 40 percent of all purchases of plug-in electric vehicles nationwide.

SCAQMD Rule 1146 Oxides of Nitrogen (NOx) from Large Boilers

Rule 1146 applies to large industrial process heaters with a rated heat input capacity of 5.0 million BTUs per hour or greater.

Effective January 1, 2014

- 100% of Group II Units (rated 75 mmbtu/hr down to and including 20 mmbtu/hr) must comply with the 9 ppm NOx limit.

In lieu of 100% compliance of Group II units by January 1, 2014, facilities may elect to have:

- 75% of Group II Units at a facility comply with the 5 ppm NOx limit.
- 100% of Group II Units at a facility must comply with the 5 ppm NOx limit by January 1, 2016.

Effective January 1, 2015:

- 100% of Group III Units (rated less than 20 mmbtu/hr down to and including 5 mmbtu/hr) a facility must comply with the 9 ppm NOx limit. Applications must be submitted on or before January 1, 2014 for January 1, 2015 compliance.

SCAQMD Approves Clean Air Plan Amendment for Port of Los Angeles and Long Beach

- The SCAQMD has approved a control measure to ensure the ports of Los Angeles and Long Beach meet their voluntary commitments for reducing air pollution.
- The proposed measures would only take effect if the ports fail to meet emission reduction targets by 2015.
- The ports comprise of the largest marine port in North America. Voluntary emission reduction commitments for NOx, SOx and PM_{2.5} are key for meeting clean air goals.

SJVAPCD Adopts PM_{2.5} Attainment Plan

- Regulations to reduce PM_{2.5} emissions addressed in the plan affect stationary sources such as boilers, steam generators, stationary engines, glass-melting furnaces and turbines.
- The PM_{2.5} Plan builds upon the previous 2008 PM_{2.5} and the 2007 Ozone plans.
- In addition to reducing directly emitted PM_{2.5}, the plan also focuses on reducing nitrogen oxide emissions.

SCAQMD Rules Most Recently Adopted, Amended or Repealed

Rule 102 – Definition of Terms (Amended) 3/1/2013
Rule 1110.2 – Emissions from Gaseous - and Liquid-Fueled Engines (Amended) 9/7/2012
Rule 304 – Equipment, Materials, and Ambient Air Analyses (Amended) 6/1/2012
Rule 1177 – Liquefied Petroleum Gas Transfer and Dispensing (Adopted) 6/1/2012
Rule 1470 – Requirements for Stationary Diesel-Fueled Engines (Amended) 5/4/2012

Cap and Trade Offset Program

Air Resource Board Announces Listing of Early-Action Carbon Offset Projects

- The Air Resource Board (ARB) has released the first listings for carbon offset projects with voluntary offset credits to be considered for possible use in California's Cap-and-Trade Program.
- Recognizing these existing projects supports the requirements of AB 32 to ensure that early voluntary reductions receive appropriate credit and also helps to create an initial supply of compliance offset credits.
- Listing these projects is the first step in a rigorous process to determine if voluntary offsets meet the same stringent standards as offsets generated under the compliance offset protocols.
- For ARB to issue a compliance offset credit, the voluntary offset credit must represent a reduction or removal enhancement that is real, additional, quantifiable, verifiable, enforceable and permanent.

Coastal NOx RTCs for Sale

40,000 – 50,000 pounds 2013 Cycle 1
 40,000 – 50,000 pounds 2013 Cycle 2

Coastal Air Credits for Sale

15 pounds PM₁₀ ERC
 75 pounds VOC ERC

ASK THE EXPERTS

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Fire Department Compliance

- Various jurisdictions within California are required to submit Business Emergency Plans and Hazardous Material Inventory Statements electronically through the California Environmental Reporting System (CERS).

Storm Water Season ends on May 31, 2013

- Facilities that conduct industrial activities outdoors and/or are subject to RWQCB regulations are required to take two (2) storm water samples between October 1, 2012 and May 31, 2013.

The SWRCB may adopt a new Industrial Storm Water Permit that may include the proposed changes:

- Monitoring may include collecting quarterly storm water samples.
- 1/10" or more of rainfall may qualify as a storm event.
- Training and certification for Storm Water Pollution Prevention Plan preparation, implementation and revisions.

Upcoming Reporting Deadlines

DELIVERABLE	DEADLINE
SCAQMD - NOx Monthly Report for RECLAIM facilities	15th of every month
SCAQMD - QCER for RECLAIM Facilities	April 30, 2013 and July 31, 2013
SWRCB - Storm Water Annual Report	July 1, 2013
EPA - Toxic Release Inventory (TRI) Report	July 1, 2013
LA County Sanitation District - Self Monitoring Report	July 15, 2013
SCAQMD - Title V Semi-Annual Monitoring Report	August 31, 2013
SCAQMD - APEP for RECLAIM Cycle 2 Facilities	August 31, 2013

AEC welcomes comments, suggestions, or complaints about errors that warrant correction.

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