



Advanced Environmental Controls Consulting and Engineering Services, Inc.

SERVING THE INDUSTRY & ENVIRONMENT

Environmental *focus*

Air Quality News

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 heat input less than 75 mmbtu/hr down to and including 20 mmbtu/hr, excluding thermal fluid heaters) a facility must comply with the 9 ppm NOx limit. Applications must be submitted on or before January 1, 2013 for January 1, 2014 compliance.

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. Applications for January 1, 2014 compliance must be submitted on or before January 1, 2013.
- 100% of Group II Units at a facility must comply with the 5 ppm NOx limit by January 1, 2016.

SCAQMD Rule 1138 Control of Emissions from Restaurant Operations

Rule 1138 Proposed Amendment:

- Rule 1138 currently applies solely to chain-driven restaurants.
- The proposed amendment will implement 2007 AQMP Control Measure BCM-05 for the reduction of PM 2.5 emissions from under-fired charbroilers.
- SCAQMD staff will propose amendments to Rule 1138 based on results from the University of Riverside College of Engineering Center for Environmental Research & Technology.

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.

SCAQMD Rule 1107 Coating of Metal Parts and Products

Rule 1107 Proposes to:

- Further reduce the VOC Limit (Less Water and Less Exempt Compounds) of metal coatings.
- Improve Rule clarity.
- Current Rule is effective until December 31, 2014.

SCAQMD Rule 1420/1420.2 Emissions Standard for Lead

Rule 1420 and 1420.2 Proposes to:

- In October 2008, U.S. EPA lowered the National Ambient Air Quality Standard for lead from 1.5 to 0.15 ug/m³.
- Proposed Rule 1420 and 1420.2 will require lead sources to meet the new lead standard.

Portable Equipment Registration Program (PERP)

- Beginning January 1, 2013, portable diesel engines registered in PERP or operating under air district permits must comply with weighted PM emission averages as g/bhp-hr.
 - 50>175 hp - 0.3 g/bhp-hr
 - 175>750 hp - 0.15 g/bhp-hr
 - >750 hp - 0.25 g/bhp-hr

SCAQMD Rules Most Recently Adopted, Amended or Repealed

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
Rule 463 – Organic Liquid Storage (Amended) 11/4/2011

Cap and Trade Offset Program

- The "Cap and Trade Program" is applicable from January 2012 through December 2020, it covers major sources of GHG emissions in the State such as refineries, power plants, industrial facilities and transportation fuels.
- AB 32 will establish a statewide declining aggregate GHG cap on covered sectors and will provide uncapped industries an opportunity to generate offset credits.
- "Allowances" and "Credits" form the two compliance instruments as part of the regulation.
- Allowances are a facility's tradable portion of the GHG cap.
- Offsets are projects that will reduce emissions outside the cap that will be overseen by CARB.
- Offsets may be used by a facility to meet up to 8% of its compliance obligation under the program.
- Facilities are eligible if they have adopted the CARB compliance offset protocol or those of the Western Climate Initiative's program.
- Projects must be listed on a CARB approved offset project register and all reductions must undergo regulatory verification by third party verifiers with extensive CARB oversight.

Fire Department Compliance

- By January 1, 2013 businesses will be required to electronically submit documents such as, Business Emergency Plans and Hazardous Material Inventories.

ASK THE EXPERTS

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Storm Water Season started on October 1, 2012

- 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.

In early 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.

Coastal NOx RTCs for Sale

40,000 – 50,000 pounds 2012 Cycle 1

40,000 – 50,000 pounds 2012 Cycle 2

Coastal Air Credits for Sale

15 pounds PM₁₀ ERC

75 pounds VOC ERC

Upcoming Reporting Deadlines

DELIVERABLE	DEADLINE
SCAQMD - NOx Monthly Report for RECLAIM facilities	15th of every month
SCAQMD - QCER for RECLAIM Cycle 1 and Cycle 2 Facilities	January 30, 2013
LA County Sanitation District - Self Monitoring Report	January 15, 2013
LA County Sanitation District - Industrial Wastewater Surcharge Report	February 15, 2013
SCAQMD - APEP for RECLAIM Cycle 1 Facilities	February 28, 2013
SCAQMD - Title V Semi-Annual Monitoring Report and Annual Compliance Certification Report	February 28, 2013

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

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