



Advanced Environmental Controls Consulting and Engineering Services, Inc.

SERVING INDUSTRY & THE ENVIRONMENT

Environmental *focus*

Air Quality News

SCAQMD Rule 1470 Diesel Engine Amendment

Rule 1470 Amended on May 4, 2012:

- Applications submitted after January 1, 2013 are subject to Tier 4 PM emission requirements and require a Diesel Particulate Filter (DPF).
- New stationary emergency standby diesel-fueled engines (>50 bhp) installed or with an application for a Permit to Construct or Permit to Operate deemed complete on or after January 1, 2011 and prior to January 1, 2013, must be a certified CI engine that emits diesel PM at a rate less than or equal to 0.15 g/bhp-hr.
- New stationary emergency standby diesel-fueled engines (>50bhp) installed or with an application for a Permit to Construct or Permit to Operate deemed complete on or after January 1, 2011 and prior to January 1, 2013 located on school grounds or 100 meters from a school must meet a diesel PM emission rate less than or equal to 0.01 g/bhp-hr.

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

Rule 1146 generally applies to large industrial process heaters with a rated heat input capacity of 5.0 million BTUs per hour or greater. Effective January 1, 2013:

- Group I Units (rated heat input greater than or equal to 75 mmbtu/hr) must comply with the 5 ppm NOx limit.
- 75% of the Group III Units (rated heat input less than 20 mmbtu/hr down to and including 5 mmbtu/hr, and all units operating at schools and universities greater than or equal to 5 mmbtu/hr) at a facility must comply with the 9 ppm NOx limit.

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 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.
- Rule 1147 does not apply to combustion equipment operated at RECLAIM facilities and to boilers and water heaters that fall under Rule 1146.
- Equipment manufactured prior to 1998 is subject to emission limits effective July 1, 2013.
- Units that have documented emissions of one pound per day or less of NOx are eligible for a five year delay of the July 1, 2013 compliance date.
- By Rule 1147, a unit rated less than or equal to 400,000 BTU/hour is eligible for the five year delay.
- To obtain this delay you must document that a unit's emissions are 1 pound per day or less by maintaining daily records of operating hours or the fuel usage of each unit.

SCAQMD Rules Most Recently Adopted, Amended or Repealed

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
Rule 1147	– NOx Reductions from Miscellaneous Sources (Amended) 9/9/2011

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.
- Reductions created by the project must be real, quantifiable, permanent, verifiable, and enforceable.
- 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.

ASK THE EXPERTS?

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Storm Water Season STARTS October 1, 2012

- Facilities subject to RWQCB regulations are required to take two (2) storm water samples between October 1, 2012 and May 31, 2012. The first sample should be taken during the first storm event of the season.
- RWQCB regulations require monthly records of storm water observations and quarterly records of non-storm water discharge observations.

Fire Department Compliance

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

Coastal 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 Facilities	July 30, 2012
LA County Sanitation District - Self Monitoring Report	July 15, 2012
LA County Sanitation District - Industrial Wastewater Surcharge Report	August 15, 2012
SCAQMD - QCER and APEP for RECLAIM Cycle 2 Facilities	August 29, 2012
SCAQMD - Title V Semi-Annual Monitoring Report	August 31, 2012

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

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