



Advanced Environmental Controls Consulting and Engineering Services, Inc.

SERVING INDUSTRY & THE ENVIRONMENT

Environmental *focus*

Air Quality News

SCAQMD Rule 1147 NOx Reductions Deadline

July 1, 2012 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 does not apply to combustion equipment operated at RECLAIM facilities and to boilers and water heaters that fall under Rule 1146.
- Certain equipment manufactured prior to 1992 is subject to emission limits effective July 1, 2012.
- 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, 2012 compliance date.
- By rule 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 fuel use for each unit.

SCAQMD Rule 1470 Diesel Engine Amendment

A public hearing was held on March 2, 2012 to consider:

- Revising NOx and PM emission limits for stationary emergency standby engines installed or to be installed after January 1, 2011.
- Removing the applicability of existing Tier 4 PM emission standards for certain sized engines.
- Narrowing the applicability of the Tier 4 PM standards that are located within 50 meters of a sensitive receptor but maintains the current PM limit.
- Delaying after-treatment based on Tier 4 PM emission limits until July 1, 2015.
- Requiring engines installed after January 1, 2011 and prior to January 1, 2013 to emit PM at the current PM limit.
- Eliminating after treatment based Tier 4 NOx emission limits on engines installed after January 1, 2011.
- Reducing diesel PM as the objective of the rule.
- District Staff will present proposed amendments to the rule to the Board in June 2012.

SCAQMD Rules 1146 and 1146.1 Boiler Emissions

Rules generally apply to industrial, institutional and commercial boilers, steam generators and process heaters with a rated heat input capacity of 2 million BTUs per hour.

- Effective January 1, 2012 Group II Units (fuel input between 20 and 75 mmbtu/hr) must comply with the 9 ppm NOx limit.
- These units would include up to 75% of units at a facility and would have been designated in the facility's Compliance Plan.
- Also any natural gas fired units between 2 and 5 mmbtu/hr.

Mandatory GHG Reporting

- In general emitters off greater than 25,000 metric tonnes of CO₂ must report greenhouse gas emissions to CARB.
- If your facility has the capacity to generate more than 1 MW of electricity and emits at least 2,500 tonnes of CO₂ you are also required to report.
- Depending on your industrial sector, reports are due either on April 1 or June 1, 2012.

SCAQMD Rules Most Recently Adopted, Amended or Repealed

Rule 463	– Organic Liquid Storage (Amended) 11/4/2011
Rule 1147	– NOx Reductions from Miscellaneous Sources (Amended) 9/9/2011
Rule 1133.1	– Chipping and Grinding Activities (Amended) 7/8/2011
Rule 1133.3	– Emission Reductions from Green waste Composting Operations (Adopted) 7/8/2011
Rule 310.1	– Amnesty for Unpermitted Equipment and Discount for Control Equipment (Adopted) 6/3/2011
Rule 1113	– Architectural Coatings (Amended) 6/3/2011

Toxics Release Inventory Program

- The goal of EPA’s Toxics Release Inventory (TRI) Program is “to provide communities with information about toxic chemical releases and waste management activities and to support informed decision making at all levels by industry, government, non-government organizations and the public.”
- EPCRA section 313 requires EPA and the states to collect annual data on the release and transfer of approximately 650 toxic chemicals used in industry.
- Facilities subject to the TRI program must also report additional data on waste management and source reduction activities to EPA under the TRI program.
- Form A and Form R reports must be filed using EPA’s TRI-MEweb electronic reporting software no later than **July 1, 2012**.

Coastal Air Credits for Sale

15 pounds PM₁₀ ERC
75 pounds VOC ERC

Coastal RTCs for Sale

40,000 – 50,000 pounds 2012 Cycle 1
40,000 – 50,000 pounds 2012 Cycle 2

ASK THE EXPERTS?

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Cap and Trade Offset Program

- The regulation went into effect in January 2012 after the San Francisco Superior Court cleared the way for CARB to implement the program in that they had followed the health and environmental quality laws in its development.
- 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 which will overseen by CARB.
- Offsets maybe 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.
- Programs are eligible if they are a result of a CARB adopted 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.

Storm Water Sampling **MUST** be complete by **May 31, 2012**

- Annual sampling for storm water contamination **must** be complete by **May 31, 2012**.
- Facilities subject to RWQCB regulations are required to collect at least 2 samples annually.
- Reports summarizing sampling results and observations **must** be submitted to the RWQCB no later than **July 1, 2012**.

Upcoming Reporting Deadlines

DELIVERABLE	DEADLINE
SCAQMD – NO _x Monthly Report for RECLAIM Facilities	15 th of every month
SCAQMD – QCER for RECLAIM Facilities	April 30, 2012
CARB – Mandatory GHG Reporting	April 1 or June 1 2012
RWQCB – Storm Water Annual Report	July 1, 2012
EPA – Toxic Release Inventory (Form R)	July 1, 2012
Sanitation Districts – Industrial Wastewater Surcharge Report	August 15, 2012
Sanitation Districts – Wastewater SMR	Varies

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

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