



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, 2014 Nitrogen Oxide (NOx) Limits to meet either 30 ppm or 60 ppm depending on type of equipment.

- This includes ovens, dryers, heaters, furnaces, heated pots, cookers, fryers, heated tanks and evaporators, oxidizers and absorption chillers.
- Equipment manufactured prior to 1999 is subject to emission limits effective July 1, 2014.
- Burner retrofit must be completed by July 1, 2014.

Proposed Amendment SCAQMD Rule 1153.1 - Emissions of Oxides of Nitrogen from Commercial Food Ovens

The proposed changes to SCAQMD Rule 1153.1 would be to raise the NOx emission limits for food ovens and delays the NOx emission limit compliance dates for existing (in-use) permitted equipment subject to SCAQMD Rule 1147.

Amendments also establishes test methods and provides alternate compliance options and certification of equipment NOx emissions.

Proposed Amendment SCAQMD Rule 1155 - Particulate Matter (PM) Control Devices

SCAQMD Rule 1155 allows exemption from the no visible emissions, PM concentration, and related requirements during the initial one-half hour of start-up of the equipment or process venting to the PM air pollution control device, including start-up after equipment breakdown or scheduled maintenance.

The proposed amendment clarifies that, notwithstanding this exemption, PM air pollution control devices under Rule 1155 remain subject to the requirements of Rule 401- Visible Emissions

SCAQMD 2014 Annual Emission Reports

Facilities required to submit an Annual Emissions Report (AER) to the SCAQMD for calendar year 2014 must use the new AER Reporting Tool.

The New AER Reporting Tool consists of: a pre-loaded permit profile for each facility required to report emissions and emissions reporting for each permitted and non-permitted unit or emissions source.

Proposed Amendment SCAQMD Rule 1168 - Adhesive and Sealant Applications

- Applies to the use of all adhesives, adhesive primers, caulks, sealants or sealant primers, excluding consumer use where the product is less than or equal to one pound or 16 fluid ounces.
- Substrate applications are redefined and VOC limits reduced.
- Tentative VOC limits are applicable beginning January 1, 2016.

Portable Equipment Registration Program (PERP)

June 30, 2014 is the last day the Air Resources Board (ARB) will accept initial registration applications for Interim Tier 4 engines rated from 175 bhp to 750 bhp.

For initial registration into PERP, all diesel engines must meet the following certification tier levels (effective July 1, 2014).

- 50 - 74 bhp, Final Tier 4
- 75 - 174 bhp, Interim Tier 4
- 175 - 750 bhp, Final Tier 4
- Over 750 bhp - Interim Tier 4

SCAQMD Rules Most Recently Adopted, Amended or Repealed

- Rule 1309 – Emission Reduction Credits and Short Term Credits (Amended) 7/5/2013
- Rule 1113 – Architectural Coatings (Amended) 9/6/2013
- Rule 1146 – Emissions of Oxides of Nitrogen from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (Amended) 11/1/2013
- Rule 1420.1 – Emission Standards for Lead and other Toxic Air Contaminants from Large Lead - Acid Battery Recycling Facilities (Amended) 1/10/2014

Air Resource Board (ARB) Refrigerant Management Program (RMP)

Registration and Reporting Requirements for Refrigeration Systems Using High-Global Warming Refrigerants

- Refrigeration systems used for industrial purposes with 2000 lbs. or more of high global warming refrigerants must register with ARB immediately and submit annual reports to ARB.
- Refrigeration systems used for industrial purposes between 200-1,999 lbs. of high global warming refrigerants, must be registered by March 1, 2014.
- Refrigeration systems used for industrial purposes between 50 and 200 lbs. of high global warming refrigerants, must be registered with ARB by March 1, 2016.
- After initial registration, facilities are required to submit an annual report to ARB.
- By year 2020, chemical manufacturers will no longer be able to produce R-22 refrigerant. All R-22 refrigerants will be from recycled or reclaimed processes.
- All refrigeration units that contain high global warming refrigerants must be serviced according to the ARB RMP requirements.

Service Requirements

- The technician must have a current and valid U.S. EPA certificate to service refrigeration systems.
- Must use a Class I or Class I refrigerant.

ASK THE EXPERTS

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OSHA Hazard Communication Standard

The OSHA Hazard Communication Standard must comply with all modified provisions and the Globally Harmonized System (GHS) by June 1, 2015.

Major changes to the Hazard Communication Standard:

- Chemical manufacturers and importers are required to determine all hazards associated with chemicals produced or imported.
- Chemical manufacturers must provide a label that includes a signal word, pictogram, hazard statement, and precautionary statement for each hazard and category.

The GHS will be comprised of:

- Classifying and labeling chemicals using a standardized system.
- Defining health, physical and environmental hazards from the chemicals.
- Creating classification processes that use available data on chemicals.
- Communicating hazard information, as well as protective measures on labels and Safety Data Sheets (SDS).

Coastal Air Credits for Sale

15 pounds PM₁₀ ERC
75 pounds VOC ERC

Coastal NOx RTCs for Sale

40,000 – 50,000 pounds 2014 Cycle 1
40,000 – 50,000 pounds 2014 Cycle 2

Upcoming Reporting Deadlines

DELIVERABLE	DEADLINE
SCAQMD - NOx Monthly Report for RECLAIM facilities	15th of every month
SCAQMD - QCER for RECLAIM Facilities	April 30, 2014
LA County Sanitation District - Quarterly Self Monitoring Report	April 15, 2014
LA County Sanitation District - Semi-Annual Self Monitoring Report	July 15, 2014
Toxic Release Inventory Reporting	July 1, 2014
Storm Water Annual Reports	July 1, 2014

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

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