

# Air Quality Update

Brought to you by **YORKE ENGINEERING, LLC.**

[www.YorkeEngr.com](http://www.YorkeEngr.com)

## June 1<sup>st</sup> 2011 - SCAQMD

### RULE 1415 & RULE 1415.1

On December 3, 2010, the South Coast Air Quality Management District (SCAQMD) adopted Rule 1415.1 and amended Rule 1415. Rule 1415 now applies to air conditioning systems and Rule 1415.1 applies to stationary (non-residential) refrigeration systems. Both rules apply to systems with greater than 50 pounds of high global warming potential refrigerants.

Among other requirements, Rule 1415 requires that all applicable air conditioning systems must be audited for leaks annually; submit a Registration Plan every two years; and keep records or logs of leak tests, maintenance activities performed on the systems and the amount of refrigerant added to each system. The registration requires filing the biennial (every 2 years) Rule 1415 registration form along with the required registration

fees for all registered units located within the SCAQMD. (See [http://www.aqmd.gov/comply/class\\_14\\_15.html](http://www.aqmd.gov/comply/class_14_15.html) for more detail.)

Rule 1415.1 requires a leak detection program and an Annual Registration of applicable refrigeration sources within the SCAQMD, along with refrigerant management practices and recordkeeping. The rule has an implementation schedule to transfer authority of the Rule 1415.1 program to the California Air Resources Board (CARB). The table below depicts the implementation timeline set for the various sized refrigeration systems along with the CARB registration deadline, the leak detection and major monitoring requirements, and the leak repair requirements for the refrigeration systems.

CARB is now developing an internet reporting system to report all required information directly to the state.

Refrigeration System Size (Charge in Lbs.)	Registration Deadline With CARB	Leak Detection & Major Monitoring Requirements For Rule 1415.1*	Leak Repair Requirements*
Greater than 2,000 lbs.	March 1, 2012	<ul style="list-style-type: none"> <li>- Monthly Leak Inspections of the system (if located within a closed building or structure and doesn't have an automatic leak detection system ("ALDS"))</li> <li>- Quarterly Leak Inspections (if not within an enclosed building or structure and not monitored by ALDS)</li> <li>- January 1, 2012 ALDS will be installed if located in enclosed building.</li> </ul>	<ul style="list-style-type: none"> <li>- Within 14 days of discovery of the initial leak detection.</li> <li>- Within 45 days of discovery of the leak if a certified technician is not available within 14 days of initial detection or the parts are unavailable within 14 days.</li> <li>- Within 45 days if refrigerant leak repair requires an industrial process shutdown</li> <li>- 120 days for special circumstances on an as needed basis.</li> </ul>
Greater than 200 lbs. but less than 2,000 lbs.	March 1, 2014	<ul style="list-style-type: none"> <li>- A Quarterly Leak Inspection shall be conducted for the refrigeration system. A quarterly inspection is not required if an ALDS is present.</li> </ul>	
Greater than 50 lbs. but less than 200 lbs.	March 1, 2016	<ul style="list-style-type: none"> <li>- An Annual Leak Inspection shall be conducted for the refrigeration system. An annual inspection is not required if an ALDS is present.</li> </ul>	

### Air Quality Tip....

**Reminder: Facilities subject to Rule 1110.2 – Emissions from Gaseous- & Liquid-Fueled Engines are now required to meet the new lowered concentration limits effective July 1, 2011 for VOCs (30 ppmvd), CO (250 ppmvd) and NOx (11ppmvd) for all stationary engines greater than 50 and less than 500 horsepower. (RECLAIM facilities are exempt from the NOx requirement.)**

#### Upcoming Training Offered by UCI or Yorke Engineering:

- South Coast Air Quality Regulations and Permitting Seminar: September 13<sup>th</sup> -14<sup>th</sup>, 2011  
<http://www.yorkeengr.com/classes.htm>

#### Upcoming Due Dates for 2011\*\*

- TRI EPA Form R 7/1
- Annual Storm Water Monitoring Report 7/1
- Rule 1110.2 Qtr. Rpt. 7/15
- RECLAIM Quarterly Reconciliation (Cycle 1) 7/30
- RECLAIM Quarterly Reconciliation (Cycle 2) And APEP 8/29
- Title V – Application for Permit Renewal due 180 Days prior to permit expiration 7/30
- SB-14 Hazardous Waste Minimization Act 9/1

\*\*Due dates listed may be the statutory dates; sometimes dates are extended when they fall on a day the agency is closed.

\* Please refer to the rule for complete details.

## SOUTH COAST AQMD RULE CHANGES ADOPTED

For full details on rule adoptions go to: <http://aqmd.gov/rules/recentrules.html>

- Rule 1143: *Consumer Paint Thinners & Multi-Purpose Solvents* – The amended rule requires that no person shall supply, sell, offer for sale, manufacture, blend, package or repackage any consumer paint or multi-purpose solvent for use in the District unless the consumer paint thinner or multi-purpose solvent complies with the applicable VOC content listed in the table below:

Category	VOC Content g/L or (lb./Gal)
Consumer Paint Thinner	25 (0.21)
Consumer Multi-Purpose Solvent	25 (0.21)

- Rule 1315: *Federal New Source Review Tracking System* – The adoption of this rule will enable the AQMD to continue issuing permits to new sources requiring offsets when obtaining credits from AQMD's Priority Reserve under Rule 1309.1 and/or that are exempt from offsets under Rule 1304 through December 31, 2030. The rule's adoption ends the permit moratorium requirement and takes aim at establishing AQMD's New Source Review (NSR) program with federal offset requirements for major sources that demonstrate sufficient emissions reductions, including previously-untracked emission reductions, existing beyond federal regulatory requirements. The rule includes equivalency with federal offset requirements and ensures implementation will not exceed impacts analyzed in the CEQA process.

- Rule 1150.1: *Control Of Gaseous Emissions From Municipal Solid Waste Landfills* – The reduction of non-methane organic compounds (VOC) and toxic air contaminants (TAC) emissions from Municipal Solid Waste (MSW) landfills is the main purpose of this revised rule. The rule requires that the owner or operator of new, active, or existing MSW landfills to maintain and operate a permitted gas collection and gas control system. The gas control systems must be designed to handle the maximum expected gas flow from the entire area of the MSW landfill requiring control. The rule stipulates a timeline for the gas control system design plans, along with reporting requirements, operating parameters for the gas control devices, monitoring and sample collection, as well as concentration limits to limit emissions.

## SOUTH COAST AQMD RULE CHANGES PROPOSED

For full details on proposed rule changes below go to:

<http://www.aqmd.gov/rules/proposed.html>

- Rule 1325: *Federal PM2.5 New Source Review Program* – The aim of the proposed rule is to incorporate U.S. EPA's requirements for fine particulate matter (aerodynamic diameter less than or equal to a nominal 2.5 micrometers (PM2.5)) into Regulation XIII – New Source Review. The proposed rule would apply to new major polluting facilities of PM2.5 in the South Coast Air Basin (facilities with or

having the potential to emit 100 tons per year or more of PM2.5 in the South Coast Air Basin).

- Rule 310.1: *Amnesty for Unpermitted Equipment and Small Business Discount for Control Equipment* - The proposed rule will exempt owners and operators of unpermitted equipment meeting certain conditions from civil and criminal penalties if the necessary permit applications and fees are voluntarily filed and paid during the amnesty period from July 1<sup>st</sup> through December 31<sup>st</sup> 2011. The rule waives the 50% penalty for permit application fees for existing equipment operating without a permit.

## OTHER SCAQMD PROPOSED RULE ACTIVITY

- Rule 1147: *NOx Reductions From Miscellaneous Sources* – This amendment will delay the emission requirements along with several other changes that are proposed.
- Rule 1470: *Requirements For Stationary Diesel-Fueled Internal Combustion & Other Compression Ignition Engines* – The SCAQMD is considering requiring particulate filters on new emergency diesel engines.
- Rule 1113: *Architectural Coating*
- Proposed Amended Rules 1162 and 1132: *Polyester Resin Operations, and Further Control of VOC Emissions from High-Emitting Spray Booth Facilities*
- Rule 2202: *On-Road Motor Vehicle Mitigation Options*

*Yorke Engineering, LLC specializes in environmental and air quality consulting for stationary and mobile sources including dispersion modeling, health risk assessments, permitting, emission inventories, air quality compliance systems, etc. Yorke Engineering has over 200 customers including a wide variety of industrial facilities and government organizations throughout California.*