

## SCAQMD reinstates popular Gas Log Incentive Program for Southland Residents to Enjoy "Healthy Hearths"

**T**o encourage residents to convert their existing wood-burning fireplaces to clean-burning gas logs, the SCAQMD Governing Board approved \$500,000 to reinstate its popular Gas Log Incentive Program. This program will offer up to a \$200 discount off the purchase and installation of a gas log set and accessories.

As a part of the Healthy Hearths initiative, this program has already helped Southland residents replace 7,500 wood-burning fireplaces with cleaner, natural gas alternative fireplaces. The renewed program will authorize the sale of another 5,000 fireplaces.

"Smoke from burning wood is filled with fine particulates that are harmful to our health," said William A. Burke, SCAQMD Board Chairman. "I encourage residents to take advantage of this opportunity to start burning cleaner to protect their family's health."

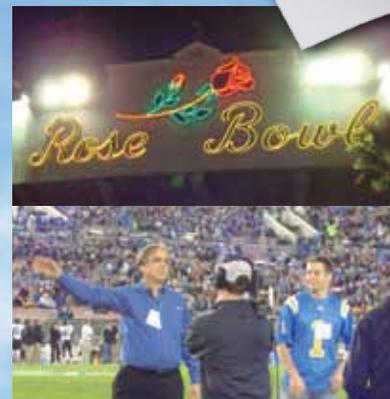
To take advantage of the discount, please visit [www.healthyhearths.org](http://www.healthyhearths.org) and click on "Gas Log Incentives" to see if you



live in an eligible ZIP code and to locate a participating dealer. Retailers across the Southland will be participating in the program, which will reduce the purchase and installation price at the time of sale. Product installation and scheduling will be coordinated between each customer and their participating retailer, and every effort will be made to have the installation completed as soon as possible.

The program is open to residents in the South Coast Air Basin, excluding mountain communities. The South Coast Basin includes all of Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino counties.

*For more information, contact Tracy Goss at (909) 396-3106 or [TGoss@aqmd.gov](mailto:TGoss@aqmd.gov).*



### Rose Bowl promotes Clean Air during the UCLA - Colorado game

SCAQMD provided air quality information to the fans attending the November 19th Colorado-UCLA game held at the Rose Bowl in Pasadena. SCAQMD Executive Officer Barry Wallerstein was on the field as an air quality message was announced to the crowd of more than 57,000 fans. The event helped promote SCAQMD's signature film "The Right to Breathe" and its wintertime Check Before You Burn program.

## SCAQMD awards nearly \$9 million to replace 56 older diesel school buses

**T**he SCAQMD Governing Board, at its October meeting, awarded up to \$8,825,896 to eleven school districts to replace high polluting pre-1987 diesel school buses with cleaner alternative-fueled buses.

SCAQMD will provide up to \$140,000 per bus and additional funding toward the necessary fueling infrastructure. To date, SCAQMD has approved almost \$210 million to help school districts replace or retrofit older diesel school buses.

The school districts in the SCAQMD's four-county jurisdiction that will receive funds include Los Angeles Unified (18 propane buses); Rowland Unified (6 CNG buses); Walnut Unified (5 CNG buses); Los Alamitos Unified (5 CNG buses); Rim of the World Unified (2 CNG buses); Bear Valley Unified (1 CNG bus); Alhambra Unified (1 CNG bus); Castaic Unified (1 propane bus); Garden Grove Unified (9 CNG buses); Montebello Unified (1 CNG bus); and Brea Olinda Unified (7 CNG buses).

The successful implementation of the Lower-Emission School Bus Replacement and Retrofit Program will provide less-polluting and safer school transportation for school children, and will reduce public exposure to toxic diesel particulate matter emissions.

In addition, these awards comply with AB 1390 requirements, such that it would reduce air pollution in low-income, high diesel and high PM10 exposure areas, as well as enhance the objectives of the Environmental Justice and Children's Health Initiatives previously adopted by the SCAQMD Governing Board.

*For more information, contact Matt Miyasato at (909) 396-3249 or [mmiyasato@aqmd.gov](mailto:mmiyasato@aqmd.gov).*



Cleaning the air that we breathe...





## SCAQMD Holds Five Senior Clean Air Fairs in 2011

**M**ore than 4,800 senior citizens throughout the four-county region attended five Senior Clean Air Fairs sponsored by SCAQMD during 2011 to influence healthy lifestyle changes for residents over age 55, and to inform them about clean air technologies and policies.

The first fair, held in April, at California State University, Northridge, was attended by 700 seniors. The second fair, held in September at the Los Angeles Convention Center, was the largest, attracting over 3,000 seniors. The remaining three fairs were held at the Hilton Hotel in Anaheim in October, National Orange Show in San Bernardino in November, and the Riverside County Fair Grounds in Indio in December.

The fairs fostered awareness and

increased understanding of air quality-related health issues and clean technology applications. Speakers encouraged seniors to become active participants in preventing air pollution and provided information on what they can do in their home, neighborhood and community to improve air quality.

Each fair featured medical specialists, university professors, health organization representatives, and members of the SCAQMD's Governing Board and its staff speaking to the seniors on clean air issues. Among the speakers were NBC4 news reporter Patrick Healy, former Los Angeles Dodgers Manager Tommy Lasorda, Columnist David Allen of the Inland Valley Daily Bulletin, and Elizabeth Beaubien, News Anchor for KMIR-TV6 in Palm Springs.

In recent years, SCAQMD has hosted a number of conferences that reached out to a variety of demographics such as business executives, environmental leaders, policymakers, elected officials, technology company representatives, and the general public. However, participation from the senior population had been low at these events, so these fairs were an effort to directly engage the senior population.

Besides the speakers discussing clean air and health-related topics, attendees were able to visit tabletop exhibits and view alternative fuel vehicle displays.

*For more information, contact Lourdes Cordova Martinez at (909) 396-3214 or [lcmartinez@aqmd.gov](mailto:lcmartinez@aqmd.gov).*

## Region Mows Down Air Pollution with Successful Lawn Mower Exchange Events

**I**n 2011, a total of 5,629 gasoline-powered lawn mowers were exchanged for electric models as part of SCAQMD's ninth annual Mow Down Air Pollution Electric Lawn Mower Exchange Program. The exchanges took place at 11 events held at locations across the SCAQMD's four-county jurisdiction, which includes all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties.

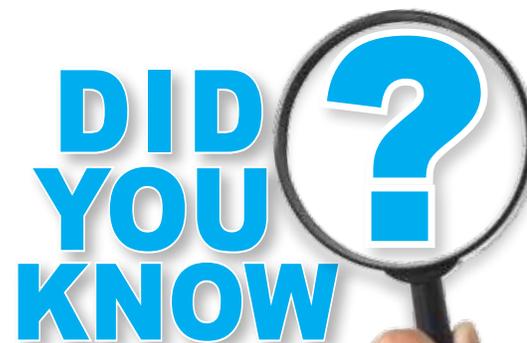
The program, sponsored by SCAQMD and the California Air Resources Board in cooperation with Southern California Edison and the Los Angeles Department of Water and Power, enabled Southern Californians to save money and help reduce air pollution by exchanging a working gasoline-powered lawn mower for a new electric mower priced \$299 to \$469 below retail prices. Five models of electric mowers were provided by Neuton and Black & Decker for residents to choose from during this year's exchange program, with prices ranging from \$100 to \$230, depending on the model.

SCAQMD hosted Go Green! Lawn and Garden Expos in conjunction with seven of the exchange events. These expos showcased eco-friendly lawn-care equipment and related energy-saving green products and services.

While only eight exchange events were originally scheduled from May through July as part of the 2011 Lawn Mower Exchange Program, SCAQMD's Governing Board allocated funding to hold three additional events in October. Events were held in Palm Desert, Long Beach, Inglewood, Riverside, Pasadena, Rancho Cucamonga, Northridge, Anaheim, Mission Viejo, Norco, and West Covina.

To check for lawn mower exchange events in 2012, visit SCAQMD's web site at [www.aqmd.gov](http://www.aqmd.gov) for updates. Residents can also sign up at <http://aqmd.gov/listserver/default.aspx> to be notified of future exchange events via email.

*For more information, contact Shashi Singeetham at (909) 396-3298 or [ssingeetham@aqmd.gov](mailto:ssingeetham@aqmd.gov).*



**I**t's crucial to recycle your dead car batteries? When a battery is recycled, most of the lead, plastic and sulfuric acid can be reclaimed and used in a new battery, which saves the environment and helps keep costs down. You can dispose of old automotive and marine batteries year-round through the Auto Club Battery Collection Program. To find a battery collection center, check their web site at: <http://www.aaa-calif.com/auto/maintain/battery.aspx?>

# SCAQMD Partners with KTLA, KCBS to Promote Check Before You Burn Program

This winter, the SCAQMD is partnering with KTLA Ch. 5 and KCBS Ch. 2 to help educate residents on the harmful effects of residential wood burning on the environment and their health.

From November through February, meteorologists Henry DiCarlo of KTLA and Josh Rubenstein of KCBS will provide daily air quality forecasts during the morning weather segments, including air alerts if a no-burn advisory is issued anywhere in the South Coast Air Basin. The partnerships also include 30-second on-air spots and information on the TV stations' web pages encouraging residents to sign up to receive air quality and no-burn notifications by email or Twitter.

Now in its second year, the Check Before You Burn program is part of SCAQMD's Healthy Hearths initiative designed to protect public health and reduce harmful fine particulate pollution during winter months. The program was voluntary last year, but is now mandatory every winter from November through February.

To encourage residents to convert their existing wood-burning fireplaces to clean-burning gas logs, SCAQMD is offering its popular Gas Log Incentive Program again this year. The program offers discounts of up to \$200 per gas log set to reduce the purchase and installation cost to residents. Residents using clean-burning gas logs are not subject to the Check Before You Burn program. For more information on Check Before You Burn and the Gas Log Incentive Program, visit [www.healthyhearths.org](http://www.healthyhearths.org).

For more information, please contact Tracy Goss at (909) 396-3106 or [TGoss@aqmd.gov](mailto:TGoss@aqmd.gov).



## 2012 Compliance Deadlines

The following is a reminder for SCAQMD compliance deadlines that occur for the first time during 2012. This is a reference SCAQMD provides annually through the SCAQMD Advisor and is subject to change. New rules and regulations may be adopted and current rules may be amended or rescinded throughout the year. Such decisions may impact your business. For the most current rule information, call 1-800-CUT-SMOG or check SCAQMD's Rule Book on the web at [www.aqmd.gov/rules/rulesreg.html](http://www.aqmd.gov/rules/rulesreg.html).

### Rule 461 - Gasoline Transfer and Dispensing

- Effective April 2, 2012, Gasoline Dispensing Facilities (GDFs) with Liquid Condensate Traps (LCTs) previously exempt from Phase II Enhanced Vapor Recovery must now only use certified Phase II enhanced vapor recovery systems (condensate traps are used where the underground tanks are located far from the dispensers). Additionally, GDFs that include LCTs and dispense greater than 600,000 gallons per year must have In-Station Diagnostics (ISD).

[CARB Executive Order G-70-214]

- By April 1, 2012, the owner/operator of a non-retail gasoline dispensing facility that previously elected to comply with paragraph (c)(5) in lieu of compliance with paragraph (c)(2) must now be compliant with paragraph (c)(2). [(c)(5)] Note: SCAQMD is evaluating EPA's recent proposal for onboard refueling vapor recovery (ORVR) and could propose appropriate rule amendments after EPA's formal rule adoption process is complete.

**Start:** See above  
**Contact:** Lou Roberto  
(909) 396-2349

### Rule 1110.2 - Emissions from Gaseous – and Liquid - Fueled Internal Combustion Engines

Beginning July 1, 2012, stationary engines fired by landfill or digester gas (biogas), provided the facility's monthly average biogas fuel usage is 90% or more, will have new VOC, NOX, & CO limits except for engines operating less than 500 hours per year or using less than 1 x 109 Btu/Year (higher heating value) of fuel provided the Executive Officer confirms these limits are achievable. Once an engine complies with concentration limits effective on and after July 1, 2012, there is no limit on the percentage of natural gas burned.

[(d)(1)(C)]

**Start:** July 1, 2012  
**Contact:** Steve Jones  
(909) 396-2094

## Zero-Emission Goods Movement Systems at Ports Receives SCAQMD Research Funding

As part of an ongoing effort to develop zero-emission transportation systems for cargo containers at the ports, SCAQMD's Governing Board approved two demonstration projects for hybrid-electric heavy-duty trucks, including \$1.56 million to develop and demonstrate two hybrid trucks in partnership with Volvo, Capstone Turbine Corp. and Kenworth Truck Co.

"This demonstration project is one step along the path toward creating a zero-polluting goods movement system that will improve the health of millions of Southland residents," said William A. Burke, Ed.D, SCAQMD's Governing Board Chairman.

Under the project, Volvo will build and demonstrate a plug-in hybrid big rig truck that will rely on a rechargeable battery for part of its power. In addition to battery power, the truck will use a diesel engine that is smaller and less-polluting than those in today's diesel trucks.

In addition, Capstone Turbine Corp. and Kenworth Truck Co. will build and demonstrate a hybrid electric truck. Similar to today's plug-in hybrid cars such as the Chevy Volt, the truck will be capable of driving up to ten miles on a battery charge, resulting in zero emissions. When the battery charge is depleted, the truck will get its power from an onboard microturbine.

Microturbines are highly efficient at burning fuel, in this case diesel, to produce electricity. The microturbines' emissions are expected to be four times lower than the 2010 standard for new diesel engines.

For more information, contact Matt Miyasato at (909) 396-3249 or [mmiyasato@aqmd.gov](mailto:mmiyasato@aqmd.gov)

# 2012 Compliance Deadlines

Continued from page 3

## Rule 1111 - Reduction of NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces

Effective October 1, 2012 no manufacturing, supplying, selling, offering for sale, or installation, of certified natural-gas-fired, fan-type central furnaces, mobile home furnaces, with NOx emissions limit > 40 nanograms/joule. [(c)(4)] However mobile home central natural-gas-fired, fan-type furnaces manufactured, purchased & delivered to SCAQMD prior to October 1, 2012, can, until 300 days after October 1, 2012 (July 28, 2013) sell, offer for sale, or install such a furnace in the District. [(g)(1-2)]

**Start:** See above  
**Contact:** David DeBoer  
(909) 396-2329

## Rule 1113 - Architectural Coatings

- Effective January 1, 2012, new VOC limits for the following coatings: Driveway Sealers; Faux Finishing Clear Topcoat; Faux Finishing Trowel Applied Coating; and Sacrificial Anti-Graffiti Coating. [(c)(1)]
- Effective January 1, 2012, only the following coatings may be averaged: floor coating; industrial maintenance coatings; interior stains; metallic pigmented; rust preventive; sanding sealers; stains; varnishes; flats; and non-flats (excluding recycled coatings). [(c)(6)(B)]

- Effective January 1, 2012, no person can supply, sell, market, offer for sale, manufacture, blend, or repackage any architectural coating with any materials that contain in excess of 0.1% by weight any Rule 102 Group II compounds. Cyclic, branched, or linear, completely methylated siloxanes are exempt from this prohibition. Products manufactured prior to January 1, 2012 may be sold through the end of December 31, 2012. [(c)(8)]

- Effective January 1, 2012, labels of all Clear Topcoat for Faux Finishing coatings must prominently display required rule statement. [(d)(7)]

- Until January 1, 2012, products otherwise qualifying for the 1 liter (1.057 quart) exemption manufactured prior to the effective date of July 1, 2011, can no longer be sold. [(f)(1)]

**Start:** See above  
**Contact:** David DeBoer  
(909) 396-2329

## Rule 1118 - Control of Emissions from Refinery Flares (Rule 1118)

Beginning calendar year 2012, petroleum refineries shall minimize sulfur dioxide

emissions from flares to < 0.5 tons per million barrels of crude processing capacity, calculated as an average over one calendar year. [(d)(1)(D)]

**Start:** January 1, 2012  
**Contact:** Melesio Hernandez  
(909) 396-2421

## Rule 1144 - Vanishing Oils and Rust Inhibitors

- Effective January 1, 2012, new VOC limits for Metalworking Fluids of 75 g/l for metal forming, general metal removing, and metal treating. New VOC limit of 130 g/l for precision metal removal fluids. New VOC limits for general metal protecting fluids and direct-contact lubricants of 50 g/l. [(d)(1) Table A]

- Effective July 1, 2012, end of sell-through provision of the above metalworking fluid or direct-contact lubricant manufactured before the date of the January 1, 2012. [(d)(3)]

- Effective January 1, 2012, containers for sale or distribution of any metalworking fluid or direct-contact lubricant must display VOC content and either manufacture date of contents or date of manufacture code. Manufacturer or supplier using date codes must file an explanation of each code date to the District. [(f)(2)]

- On or prior to April 1, 2012, metalworking fluid or direct-contact lubricant manufacturer or supplier must submit to the District the 2011 annual quantity and emissions report for rule products sold within the District. [(f)(3)]

**Start:** See above  
**Contact:** David DeBoer  
(909) 396-2329

## Rule 1146 - Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters

STANDARD COMPLIANCE LIMIT:

- On or before January 1, 2012 submit permit to construct application(s) for Group I units. [(c)(1)(F)]

- On or before January 1, 2012, 75% or more of Group II Units must be in full compliance. [(c)(1)(G)]

- On or before January 1, 2012 submit permit to construct application(s) for Group III units (75% or more of units). [(c)(1)(I)]

**Deadline:** January 1, 2012  
**Contact:** Steve Jones  
(909) 396-2094

## Rule 1146.1 - Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters

On or before January 1, 2012, any natural gas fired Atmospheric Units, and Thermal Fluid Heaters, excluding units located at schools and universities, must comply with the NOx emissions limit of 9 ppm or 0.011 lbs/106 Btu. [(c)(2)]

**Deadline:** January 1, 2012  
**Contact:** Steve Jones  
(909) 396-2094

## Rule 1146.2 - Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers and Process Heaters

- On or after January 1, 2012, no manufacturing for use or offer for sale within the District any Type 1 unit (excluding pool heaters; recreational vehicles; and units subject to District Rule 1121.) unless certified to a NOx emission limit of < 14 nanograms of NOx/joule of heat output or < 20 ppm of NOx emissions (at 3% O2 dry). [(c)(8); (h)(1)(A-B)]

- Until December 31, 2012, notwithstanding the requirements of paragraph (c)(8), any person can sell, offer for sale, or install any Type 1 units manufactured and purchased prior to January 1, 2012 and in compliance with paragraph (c)(2). [(c)(12)]

**Deadline:** See above  
**Contact:** Steve Jones  
(909) 396-2094

## Rule 1147 - NOx Reductions from Miscellaneous Sources

- Upon combustion modification or location change beginning March 1, 2012, Remediation Units manufactured prior to 1998 and not fueled with propane, butane or liquefied petroleum gas in a location where natural gas is not available, must meet NOx emission limits based on process temperature:

*If < 800°F*

- Gaseous Fuel-Fired, limit is 30 ppm or 0.036 lb/mmBtu

- Liquid Fuel-Fired, limit is 40 ppm or 0.053 lb/mmBtu

*If > 800°F and < 1200°F*

- Gaseous Fuel-Fired, limit is 60 ppm or 0.073 lb/mmBtu

- Liquid fuel-fired, limit is 40 ppm or 0.053 lb/mmBtu

*If > 1200°F*

- Gaseous Fuel-Fired, limit is 60 ppm or 0.073 lb/mmBtu

- Liquid fuel-fired, limit is 60 ppm or 0.080 lb/mmBtu

[(c)(1); (g)(7)]

- On July 1, 2012, **Other Units manufactured prior to 1992** must meet NOx emission limits based on process temperature:

*If < 800°F*

- Gaseous Fuel-Fired, limit is 30 ppm or 0.036 lb/mmBtu

- Liquid Fuel-Fired, limit is 40 ppm or 0.053 lb/mmBtu

*If > 800°F and < 1200°F*

- Gaseous Fuel-Fired, limit is 30 ppm or 0.036 lb/mmBtu

- Liquid Fuel-Fired, limit is 40 ppm or 0.053 lb/mmBtu

*If > 1200°F*

- Gaseous Fuel-Fired, limit is 60 ppm or 0.073 lb/mmBtu

- Liquid Fuel-Fired, limit is 60 ppm or 0.080 lb/mmBtu

[(c)(1)]

- No later than December 1, 2012, **Other Units manufactured 1992-1997, inclusive**, must submit permit application.

[(c)(1)]

- Starting January 1, 2012 until the date of compliance, an owner/operator of a permitted unit (P/C or P/O) with a rated heat input capacity <400,000 Btu with a permit condition which contains a process limit that results in NOx emissions < one pound per day may defer compliance with Table 1 limits for up to 5 years from the applicable compliance date of Table 2. Daily operating records must be kept during this time period. [(c)(6)]

- Owners/operators choosing to defer compliance with Table 1 specifications for up to 5 years beyond the applicable compliance date of Table 2 of units with non-resettable totalizing time or fuel meters can comply with paragraph (c)(6) requirements by requesting no later than January 1, 2012, unit permit condition of limits on operating hours per calendar month and/or fuel meter and limit on the amount of fuel used in a calendar month so monthly NOx emissions are < 30 pounds per month. [(c)(6)]

- No later than January 1, 2012, owners/operators of facilities with > 5 in-use units with permit emissions per permit unit greater than 1 lb/day NOx emissions requiring burner modifications can submit an alternative compliance plan to phase-in compliance of all units starting April 1, 2012 and completed no later than December 31, 2014 (before January 1, 2015). At least one unit must be modified to comply with applicable rule emission limit by April 1, 2012.

[(c)(14)(A)]

- New afterburners, degassing units, thermal oxidizers, catalytic oxidizers, vapor incinerators, and spray booth make-up air heaters installed for use at a specific facility after December 5, 2008 and before March 1, 2012, are exempt from the emission limit in Table 1 until July 1 of the year the unit is 15 years old. [(g)(4)]

- New or relocated remediation units installed after December 5, 2008 and before March 1, 2012, are exempt from the emission limit in Table 1 until a combustion modification or change of location on or after January 1, 2012.

[(g)(5)]

- New food ovens, fryers, heated process tanks, parts washers, and evaporators installed after December 5, 2008 and operating before January 1, 2014, are exempt from the emission limit in Table 1 until July 1 of the year the unit is 15 years old. [(g)(6)]

- Mitigation Fee Compliance Option - an owner/operator of a unit with NOx emissions > 1 pound per day may delay the applicable compliance date in Table 2 of paragraph (c)(1) or (c)(4) three years by submitting an alternate compliance plan and paying an emissions mitigation fee to the District in lieu of meeting the applicable NOx emission limit in Table 1.

[(i)]

**Deadline:** See above

**Contact:** Scott Caso  
(909) 396-2218

### Rule 1149 - Storage Tank and Pipeline Cleaning and Degassing

By August 1, 2012, all tanks subject to the provision in paragraph (c)(3) whose owner/

operator selected this compliance option must have the required drain-dry breakout tank modifications completed for 100% of their tanks. [(c)(3)(D)]

**Deadline:** August 1, 2012

**Contact:** David Jones  
(909) 396-2317

### Rule 1155 - Particulate Matter (PM) Control Devices

- December 31, 2012 is 1 day prior to last day for operator of hot mix asphalt production equipment to comply with 0.01 gr/dscf limit unless there is documentation demonstrating new fabric filters installed within 12 months prior to December 4, 2009. [(d)(2)(A)]

- No later than January 1, 2012 or after the end of the useful life of a manual shaker unit, whichever occurs sooner, operator of an existing manual shaker baghouse shall upgrade or replace it with, at minimum, an automated shaker unit. [(d)(4)]

**Deadline:** See above

**Contact:** Scott Caso  
(909) 396-2218

### Rule 1415.1 - Reduction of Refrigerant Emissions from Stationary Refrigeration Systems

For owner/operator of refrigeration system with a full charge > 2000 pounds:

- Beginning January 1, 2012, owner/operator shall submit registration to CARB by providing the information required per paragraph (d)(1) (C).

- Register with CARB on or before March 1, 2012 for refrigeration systems that begin operation before January 1, 2012.

- Register with CARB by March 1 of the year following start of operation for refrigeration systems that begin operations on or after January 1, 2012.

[(d)(1)(B)(i)]

- By January 1, 2012, refrigeration system with a full charge > 2000 pounds that operates or is intended to operate year round and if the refrigerant circuit is located entirely within an enclosed building/structure, or the compressor, evaporator, condenser, or any component of the refrigeration system with a high potential for a refrigerant leak is located inside an enclosed building/structure shall have completed installation of an automatic leak detection system.

[(d)(2)(B)(i)(III)]

- By March 1, 2012, owner/operator of a refrigeration system that begins operation before January 1, 2012, and with a full charge > 2,000 lbs of a high global warming potential refrigerant, must submit an Annual Report per paragraph (f)(2) for the previous calendar year. [(f)(1)(A)]

- Owner/operator of a refrigeration system that begins operation on or after January 1, 2012, and with a full charge > 2,000 lbs of a high global warming potential refrigerant, must submit an Annual Report per paragraph (f)(2) for the previous calendar year by March 1 of each year thereafter. [(f)(1)(B)]

- By March 1, 2012 and every subsequent year, refrigerant distributor/wholesaler must submit an Annual Report to CARB for the

previous calendar year of all California facilities with information per paragraph (f)(4) (A-H). [(f)(4)]

- By March 1, 2012 and every subsequent year, a person reclaiming any high global warming potential refrigerant must submit an Annual Report to CARB for the previous calendar year of all California facilities with information per paragraph (f)(5)(A-H). [(f)(5)]

**Deadline:** See above

**Contact:** David DeBoer  
(909) 396-2329

### Rule 1420.1 - Emissions Standard for Lead from Large Lead-Acid Battery Recycling Facilities

- Effective January 1, 2012, no atmospheric emissions may be discharged which contributes to lead ambient air concentrations that exceed 0.15 µg/m3 averaged over 30 consecutive days. [(d)(2)]

- Effective January 1, 2012, daily ambient air monitoring and sampling required when ambient air lead concentration exceed 0.15 µg/m3 per paragraph (d)(2). [(j)(9)]

**Start:** January 1, 2012

**Contact:** David Jones  
(909) 396-2317

### Rule 1472 - Requirements for Facilities with Multiple Stationary Emergency Standby Diesel-Fueled Internal Combustion Engines

All facilities with the exception of Health Facilities, Colleges, Universities, and Government Agencies per paragraphs (g) (4) and (g)(5) have the following Final Compliance Dates:

- For facilities with Index ≥ 4:
  - With 4 engines, final compliance date is Jan. 1, 2012
  - With 3 engines, final compliance date is July. 1, 2012
- For facilities with Index ≥3 and <4:
  - With 5 or 6 engines, final compliance date is Jan. 1, 2012
  - With 4 engines, final compliance date is July. 1, 2012
- For facilities with Index ≥2 and <3:
  - With 7 or more engines, final compliance date is Jan. 1, 2012
  - With 5 or 6 engines, final compliance date is July. 1, 2012
- For facilities with Index ≥1.5 and <2:
  - With 7 or more engines, final compliance date is July 1, 2012.

[(g)(3) Table 3]

**Deadline:** See above

**Contact:** Steve Jones  
(909) 396-2094

### Rule 2002 - Allocations for Oxides of Nitrogen (NOx) and Oxides of Sulfur (SOx)

No later than July 1, 2012, SOx emissions from the Fluidized Catalytic Cracking Unit exhaust shall not exceed 25 ppmv @ 0% oxygen on a 365-day rolling average. [(f)(1) (R)]

**Deadline:** July 1, 2012

**Contact:** RECLAIM Hotline  
(909) 396-3119

The following proposed amended rules and regulations are tentatively scheduled for hearings at upcoming Governing Board meetings. To verify whether scheduling changes have occurred, visit the SCAQMD website at [www.aqmd.gov/hb/gb\\_cal95.html](http://www.aqmd.gov/hb/gb_cal95.html) and check the Rules and Control Measure item on the Governing Board meeting agenda or call the Clerk of the Board's Office at (909) 396-2500.

Copies of SCAQMD rules and regulations can be downloaded from the website at [www.aqmd.gov/rulesreg.html](http://www.aqmd.gov/rulesreg.html) or provided by AQMD's Public Information Center, (909) 396-2039.

## May - continued

### Rule 1110.2 - Emissions from Gaseous- and Liquid-Fueled Engines

Proposed amendments to Rule 1110.2 are to address the impacts of contaminants in biogas used to fuel power generators at landfills and municipal waste facilities. The amendments may result in a delay or loss of emissions reductions.

For more information, contact Joe Cassmassi at (909) 396-3155 or [jcassmassi@aqmd.gov](mailto:jcassmassi@aqmd.gov).

## 2012 RECLAIM Deadlines

Below are the 2012 compliance deadlines for all facilities that must comply with AQMD's NO<sub>x</sub> and SO<sub>x</sub> RECLAIM rules (Regulation XX). For more information on these deadlines, contact the RECLAIM Hotline at (909) 396-3119.

**Daily Emissions Reports** - For major sources, reports are due, via remote terminal unit, by 5 p.m. the next day. [Rules 2011 (c)(3)(A) and 2012 (c)(3)(A)]

**Monthly Emissions Reports** - For large NO<sub>x</sub> sources, reports are due, via modem or District Internet Web Site, fifteen days after the end of each month. [Rule 2012 (d)(2)(B)]

**Monthly Aggregate Emissions Reports** - For major sources, reports are due, via modem, fifteen days after the end of each month. [Rules 2011 (c)(3)(B) and 2012 (c)(3)(B)]

**Quarterly Emission Reports** - For process units, equipment exempt from permit, equipment operating under a various location permit, equipment operating with temporary permit and quarterly aggregate emissions reports for major and large sources, as well as the aforementioned equipment types, reports are due 30 days after the end of each quarter, except for the last quarter of each compliance year when reports are due 60 days after the end of the quarter. These reports are to be submitted via modem. Alternatively, for sources other than major sources, reports may be submitted via the District Internet Web Site. [Rule 2011 (d)(2)(B), Rule 2012 (e)(2)(B), Chapter 5 of Appendix A to Rule 2011, and Chapter 7 of Appendix A to Rule 2012]

**Quarterly Certification of Emissions Reports (QCERs)** - All facilities must submit original signed QCERs identifying the aggregate totals of emissions for all equipment types at the facility within 30 days after the end of each of the first three quarters of a Compliance Year. [Rule 2004 (b)(1) and (b)(2)]

**Annual Permit Emissions Program (APEP) Reports** - All Cycle 1 facilities must submit an original, signed Compliance Year 2011 APEP report, which includes the last quarter's QCER before February 29, 2012. [Rule 2004 (b)(4)] All Cycle 2 facilities must submit an original, signed Compliance Year 2011 APEP report, which includes the last quarter's QCER, by August 29, 2012. [Rule 2004 (b)(4)]

**NO<sub>x</sub> Source Tests** - All Cycle 2 facilities must complete source tests on all NO<sub>x</sub> large sources by June 30, 2012. Source test results must be submitted within 60 days of the last date of the source test. Note: This requirement is to verify that each large source can operate within the permitted RECLAIM NO<sub>x</sub> Concentration Limit and is applicable once every three-year period (Compliance Years 2009-2011 in this case). [Rule 2012 (j)(2)]

## March

### Rule 218.1 - Continuous Emission Monitoring Performance Specifications

Proposed amendments to Rule 218.1 may be necessary to streamline equipment calibration provisions of the rule.

For more information, contact Naveen Berry at (909) 396-2363 or [nberry@aqmd.gov](mailto:nberry@aqmd.gov).

### Rule 1470 - Requirements for Stationary Diesel-Fueled Internal Combustion and other Compression Ignition Engines

Proposed Amended Rule 1470 was carried over from the October 7, 2011 Governing Board Meeting. CARB has amended the Air Toxics Control Measure for stationary diesel-fueled internal combustion engines to reduce particulate emissions from stationary diesel powered agricultural engines that are used for growing crops, raising fowl or other animals at farms, ranches, universities, or other places.

For more information, contact Susan Nakamura at (909) 396-3105 or [SNakamura@aqmd.gov](mailto:SNakamura@aqmd.gov).

## April

### Rule 1123 - Pilot Program for Refinery Start-up, Shutdown and Turnaround Procedures

Proposed Rule 1123 would implement 2007 Air Quality Management Plan Control Measure MCS-06 by identifying improved operating procedures and best management practices to reduce emissions from start-up, shutdown and turnaround operations.

For more information, contact Naveen Berry at (909) 396-2363 or [nberry@aqmd.gov](mailto:nberry@aqmd.gov).

### Rule 1177 - Liquid Petroleum Gas Transfer and Dispensing

Proposed Rule 1177 will establish controls for transfer and dispensing of liquefied propane gas.

For more information, contact Naveen Berry at (909) 396-2363 or [nberry@aqmd.gov](mailto:nberry@aqmd.gov).

## May

### Reg. III - Fees

Proposed amendments to the fee rules may be necessary to implement the FY 2011-12 SCAQMD Budget.

For more information, contact Naveen Berry at (909) 396-2363 or [nberry@aqmd.gov](mailto:nberry@aqmd.gov).

### Rule 1107 - Coating of Metal Parts and Products

Proposed amendments to Rule 1107 would further reduce VOC emissions and improve rule clarity and enforceability.

For more information, contact Naveen Berry at (909) 396-2363 or [nberry@aqmd.gov](mailto:nberry@aqmd.gov).

# Clean Air PEOPLE

Meet the diversely talented staff at the SCAQMD

**A**ntonio Thomas began working for SCAQMD in November 1988. Hired as an Air Quality Specialist to review trip reduction plans for compliance with Regulation XV, he was promoted to Senior Transportation Specialist in 1991. He has performed a variety of other duties such as providing technical support to the AB 2766 Program as an Alternate Member to the Mobile Source Air Pollution Reduction Committee's Technical Advisory Committee (MSRC-TAC). He also oversaw the implementation of SCAQMD's Alternative Fuel Vehicle Demo Program and coordinated the implementation of SCAQMD's Rideshare Program.

Prior to joining SCAQMD, Antonio worked for the Southern California Association of Governments (SCAG) as an Associate Planner where he helped prepare Area and Corridor Transportation Studies and helped develop the Truck Movement Study, the Air Quality Management Plan (Transportation, Land-use, and Energy Control Measures), and the Regional Mobility Plan.

Antonio joined SCAQMD because "the late 1980s were exciting times for air quality involvement. The 1989 AQMP was being developed and SCAQMD was hiring employees to implement several new programs under development. Regulation XV was one of these programs." He said that his educational background in transportation planning and work experience at SCAG made him an ideal candidate for the job.

Born and raised in Chile, Antonio earned a Master of Science (M.S.) degree in Environmental Sciences from the University of Santiago and worked as a Transportation Planner for the Chilean Ministry of Public Works and Transportation. He headed to the U.S. in 1983 to continue his graduate studies, earning a Master of Planning (M.Pl.) degree from USC. Later, while working at SCAQMD, he completed a Certificate in Transportation Demand Management at UCLA, and in Air Quality Management at UCI.



Antonio Thomas

SCAQMD  
Advisor

He and his wife Carmen currently live in La Palma and recently celebrated their 30th anniversary in Greece. Their daughter Ana is a lawyer and works for a law firm in Irvine, and their son Michael is currently attending college. Both Ana and Michael have been summer student interns at SCAQMD.

Antonio enjoys reading scientific publications and collecting stamps and postcards. He also loves to travel. "I have been to India, Egypt, Europe, South and North America. I am now planning a trip to China next year. I love learning about different cultures," Antonio said. "I have been to over 30 different countries and hundreds of cities worldwide."



Dorris Bailey

**D**orris Bailey who has worked at the SCAQMD since June 1985, is currently the Principal Office Assistant of Permit Service Operations in Engineering and Compliance. Prior to working at SCAQMD, some of Dorris' previous employers included the Federal Government, John Hopkins Applied Physical Lab, Pacific Gas & Electric,

the State of California, and Metropolitan Water District (MWD). She left MWD to work at SCAQMD saying "it was only fitting to go from water to air."

Dorris was born in Louisiana on land that her family still owns, and where her grandmother who lived to be 105, and her grandmother's twin sister were also born during the 1800's. Her parents moved to Northern California while she was attending elementary school, and she grew up on farmland in Woodland, California.

"Looking back, any kid could not ask for a better environment to grow up in than Woodland farmland," Dorris said. "There was drinkable well water, we were able to grow our own food, clean air was abundant (except for crop dusters)...Girl Scouts, hay rides, community service and historical buildings nestled among tree-lined streets. You could even go to town and leave the house unlocked."

Coming from a Southern background, she grew up in a family environment where her parents and grandparents taught her the value of giving and that everyone has a mission in life. She has two older brothers who are both bishops that continue the family missionary work around the world. Dorris says she wishes she could volunteer more, but that time and distance do not currently allow more than 2-3 weeks per year. Though she has no children of her own, Dorris is the proud aunt of 48 nieces and nephews, 12 of whom she helped raise. "I no longer bother counting the next two generations...when I hear the word 'Auntie,' I just respond 'Yes, Baby.'"

She moved from Maryland to Southern California in 1975, and is currently a resident of Rialto. Given the size of her family, she does not have much free time. If she had the time, she says she would enjoy going back to painting, designing, and doing "natural things" like hiking or gardening, but her measure of a great life is to help give back to others through service.



Mike Pichay

**M**ike Pichay, a Senior Accountant in Finance, was motivated to join SCAQMD in April 2011 as a result of his interest in working for an agency with a "mission of cleaning the air."

Mike began his career working five years at Pacific Clinics in Los Angeles, where he also earned his Certified Public Accountant (CPA) certificate. Prior to joining SCAQMD, Mike worked in a number of other accounting jobs, including two years as an Assistant Controller at Charles Drew University of Medicine and Science in Los Angeles, where they have colleges of medicine, science and health, and a school of nursing. Prior to that, he spent four years as a Senior Auditor for Stonefield Josephson Accounting Firm in Los Angeles.

Mike was born and raised in Cairo, Egypt, the fifth of six children. He graduated from Cairo University with a Bachelor of Science Degree with a concentration in Accounting and Finance, and moved to the United States in April 2000 to pursue his professional career.

When Mike first arrived in the U.S., he came to California and lived with his sister in Walnut. He has also lived in West Los Angeles and Huntington Beach, where he especially enjoyed visiting the beach. He recently moved to Rancho Cucamonga where he lives with his wife Gehan and their daughters, Anasimone who is 5 years old and Kirmina who is 3.

Since becoming a father his life has changed quite a bit. He enjoys taking his kids to the parks near their neighborhood so they can play on the swings and slides. When he has the time he likes to visit friends and other family members who also now live in California. Mike also spends his time swimming and playing soccer.

Mike has also joined an employee vanpool and appreciates not having to drive to work every day, and also enjoys talking to the other professionals in the van.



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## Briefly...

### Rule Compliance Promotion Classes

#### Rule 403 – Controlling Dust in the South Coast Air Basin

- Every third Wednesday of the month.

This half-day class is held at SCAQMD's Diamond Bar headquarters from 8:30 a.m. to 11:30 a.m. There is no fee, but pre-registration is required.

To register, call toll free 1-866-861-DUST (3878) or email [dustcontrol@aqmd.gov](mailto:dustcontrol@aqmd.gov).

#### Rule 403.1 – Controlling Dust in the Coachella Valley

- Every third Thursday of the month.

This course is held from 1:00 p.m. to 4:30 p.m. at the Coachella Valley Association of Governments, Room 119, 73-710 Fred Waring Dr., Palm Desert, CA, 92260. There is no fee, but pre-registration is required.

To register, call toll free 1-866-861-DUST (3878) or email [dustcontrol@aqmd.gov](mailto:dustcontrol@aqmd.gov).

#### Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities

- January 11, 2012
- February 22, 2012
- March 14, 2012
- April 18, 2012

Classes are held from 8:00 a.m. – 1:00 p.m. at SCAQMD Diamond Bar Headquarters. Registration fee is \$75.68 per person and pre-registration is required.

To register, call (909) 396-2658 or email: [doswald@aqmd.gov](mailto:doswald@aqmd.gov).

#### Rule 2202 – Employees Transportation Coordinator Training

- January 11, SCAQMD Headquarters, Diamond Bar
- January 18, Orange County Transportation Authority, Orange
- February 2, SCAQMD Headquarters, Diamond Bar
- February 22, Courtyard by Marriott, Culver City
- March 8, SCAQMD Headquarters, Diamond Bar
- March 21, Foothill Transit, West Covina
- April 4, SCAQMD Headquarters, Diamond Bar
- April 18, State of California - California Tower, Riverside

Classes are held from 8:00 AM to 5:00 PM each day. Enrollment is limited to 20 students. Classes will be filled on a "first-come, first-served" basis. Pre-registration is required.

Enrollment fee is \$156.98 per person. Class information is available at [www.aqmd.gov](http://www.aqmd.gov) under Business/Transportation/Rule 2202 Training.

To register, call (909) 396-2777 or e-mail [etctraining@aqmd.gov](mailto:etctraining@aqmd.gov).

## SCAQMD Advisor

This bimonthly news publication is produced by the South Coast Air Quality Management District's (SCAQMD) Legislative & Public Affairs Office. SCAQMD is the air pollution control agency for Orange County and major portions of Los Angeles, San Bernardino and Riverside Counties. *SCAQMD does not endorse or warrant any products, services or companies mentioned in this publication.*

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