

## SCAQMD Releases Clean Energy Vision for Southern California

Last month, the South Coast Air Quality Management District (SCAQMD), in conjunction with the Southern California Association of Governments (SCAG), and the California Air Resources Board (CARB), released a vision document entitled "Powering the Future," to stimulate more active dialogue and foster action for a coordinated approach to addressing air pollution, energy, transportation and climate issues in Southern California.

The 20-page document is an attempt to provide an overview of the challenges the region faces, and what is needed to address them, over the next two decades.

The "Powering the Future" vision document explains that to attain air quality standards required by federal law, the region will need to transition from traditional combustion of fossil fuels in cars, trucks, and factories, to broad use of clean energy such as electricity.

It discusses how clean energy will boost economic efficiency, provide industry "with regulatory and market certainty, and attract private sector investments in innovative technologies to power our economy."

"Powering the Future" highlights key areas where the region can lead in creating and adopting innovative technologies. First is goods movement, which is currently one of the largest job generators in the region. According to the document, "California can build global competitiveness, create jobs and improve quality of life by creating a world class freight transportation system... that uses clean technology to swiftly move goods without pollution."

The second key area for innovation, according to the vision, is passenger transportation. California, the nation's largest market for clean vehicles, is currently leading the way in adopting electric passenger vehicles. Building on this, the region could work to "capture much of the clean-car and electric charger manufacturing market before global competitors do."

To learn more, the "Powering the Future" vision document is available on the SCAQMD's web site at: [www.aqmd.gov](http://www.aqmd.gov).

For more information, contact Peter Greenwald at (909) 396-2111 or [pgreenwald@aqmd.gov](mailto:pgreenwald@aqmd.gov).



## Clean Air and Healthy Economy: AQMD's Draft Clean Energy Policy

Southern California residents breathe some of the unhealthiest air in the nation and the region is struggling to meet existing national clean air standards over the next 10 to 20 years. In addition, the United States Environmental Protection Agency (EPA) is expected to tighten the federal air quality standards for greater public health protection in the near future. With most of our businesses and industries already well controlled, further emission reductions will require innovative, new thinking and coordinated action by many stakeholders. Energy production and usage, motor vehicles, and air quality are directly connected and form an inseparable set of problems and solutions. You can even say that these issues are "joined at the hip". Hence, AQMD staff is proposing a consolidated approach in the newly prepared Draft Air Quality Related Energy Policy to define the AQMD Governing Board's position and guide staff actions in the future. The policy addresses criteria and toxic air contaminants (such as fine particulate matter, ozone, diesel PM, etc.), greenhouse gases, and energy issues in a coordinated manner to protect the public's health while helping ensure a healthy, growing economy.

Without such a policy addressing the connections between energy issues and air quality, the region may not meet federal standards by EPA deadlines, and consequently lose federal transportation funding and related jobs. The policy provides guidance to staff to gather more information on and advocate for energy solutions that benefit air quality through zero or near-zero emission technologies, while also recognizing the importance of energy affordability, security and reliability. The policy is not a new regulation that imposes any new requirements on businesses or residents.

The Draft Air Quality Related Energy Policy has already generated much discussion and many comments and concerns have been received and addressed. To further advance an open dialogue with all interested parties, several additional public meetings have been scheduled, and a final draft policy is expected to be heard by the AQMD Board in September 2011.

For more information, visit our website at <http://www.aqmd.gov/prdas/climate-change/EnergyPolicy.html>, or contact Elaine Chang at (909) 396-3186 or [echang@aqmd.gov](mailto:echang@aqmd.gov).



## SCAQMD Waives Late Fees and Penalties on Certain Permits

The SCAQMD Governing Board, on June 3, 2011, approved a measure to re-establish its permit application penalty holiday program to assist businesses and government agencies to obtain operating permits without incurring late fees or penalties. The program will also offer a 50 percent discount on permit fees for small businesses that take voluntary steps to further reduce emissions from their operations.

"Businesses, especially small businesses, are still feeling the impact of the economic downturn of a few years ago," said William A. Burke, chairman of SCAQMD's Governing Board. "It's important we continue to work with businesses to ensure compliance without further financial burden and where feasible, encourage voluntary measures to reduce emissions as well."

SCAQMD adopted Rule 310.1 – Amnesty for Unpermitted Equipment and Small Business Discount for Control Equipment, which will provide a six-month period for Southland businesses and government agencies that should have applied for and obtained air quality permits to get them without incurring late fees or violation penalties.

Facilities that take advantage of the temporary program must pay the regular permitting fee with their application and comply with all other applicable air quality rules and regulations, including the requirement that new facilities use the cleanest air pollution control technologies available.

Depending on the type of equipment a facility is permitting, the potential cost savings under the program could range from about \$650 for smaller equipment, such as a gasoline station fuel dispenser, to about \$5,300 for a spray booth equipped with air pollution controls. Very large facilities known as federal Title V sources are eligible to participate only for small equipment operating without a permit.

The program also offers a 50 percent small business discount on fees for new or modified permits for air pollution control equipment that result in additional emission reductions at a facility. Changes in processes that will result in emission reductions through the use of super-compliant coatings with VOC content of less than 25 grams per liter of material will also qualify for the discount.

During similar programs held in 1995 and 2010, 700 and 500 permit applications were received, respectively. **The six-month voluntary amnesty program begins July 1 and will run through December 31, 2011.**

For more information on the program, businesses should call (909) 396-3385 or visit [www.aqmd.gov](http://www.aqmd.gov).

Cleaning the air  
that we breathe...



Volume 18  
Number 4  
July 2011



# SCAQMD Awards \$58M for Shore-Side Power Projects



**O**n May 6, 2011, the South Coast Air Quality Management District (SCAQMD) awarded \$58 million from voter-approved Proposition 1B funding for shore-side power projects

that will substantially reduce diesel emissions from ships calling at the Ports of Long Beach, Los Angeles and Hueneme.

At the same meeting, the SCAQMD Board also awarded \$1.6 million to Carnival Cruise Lines to electrify one passenger cruise ship in its fleet so that it is capable of using shore-side power while docked at the Long Beach cruise terminal.

“The projects approved today will eliminate thousands of tons of pollution during the next decade,” said William A. Burke, chairman of SCAQMD’s Governing Board. “Clean, zero-emission technology is here and we must accelerate its use now for the health of all Southland residents -- and especially those living in communities near the ports.”

The awards will provide funding to help build 25 shore-side electrical power grid systems for ships calling on area ports and to electrify the Carnival cruise ship. Ten shore-side grid systems will be built at the Port of Los Angeles, 12 at the Port of Long Beach and three at Port Hueneme in Ventura County. Currently the Port of Los Angeles has four such systems and the Port of Long Beach has three.

SCAQMD previously awarded Carnival Cruise Lines \$5 million for a shore-side power system at the Long Beach cruise terminal. The project is expected to be completed this fall.

Currently, most large container and passenger ships use diesel auxiliary engines while berthed in port to provide power for onboard ship services. Beginning January 1, 2014, a California Air Resources Board regulation will require an increasing number of container and passenger ships to be capable of using shore-side power systems when at berth in California ports.

The May 6 award will help fund the development of the shore-based power infrastructure to accommodate the expected growth in electrified ships visiting area ports. The projects are expected to be completed by the end of 2013.

The shore-side power projects are expected to reduce 762 tons per year of nitrogen oxide emissions (NOx) and 13 tons per year of particulate matter (PM) emissions over 10 years. Electrifying one Carnival Cruise ship to accept shore-side power will reduce 59 tons per year of NOx emissions and two tons per year of PM.

*For more information, contact Peter Greenwald at (909) 396-2111, or PGreenwald@aqmd.gov.*



## City of La Verne Fire Department Awarded Carl Moyer Grant to Upgrade Old Fire Truck



**T**his year the Fire Department in the City of La Verne has been awarded a grant from the South Coast Air Quality Management District (SCAQMD) to replace a 1994 diesel engine with a new 2010 diesel engine.

The grant of \$120,203 was provided through the Carl Moyer Memorial Air Quality Standards Attainment Program. This program provides competitive grants for the incremental costs of buying cleaner-than-required engines, vehicles, and equipment. The program focuses on cleaning the air by replacing older heavy-duty diesels with electric, alternative-fuel, or cleaner diesel technologies.

The project was evaluated and determined to meet the cost-effectiveness criteria, as prescribed by the California Air Resources Board (CARB) in the Carl Moyer Guidelines. The project is expected to generate annual surplus emission reductions for the life of the new engine.

In April, the La Verne City Council approved acceptance of the grant, and combined the Carl Moyer funding with an equal amount of matching funds from other grants the City received, in order to rebuild and re-equip the 1994 fire truck. The impact of this project on the general fund of the City is approximately \$110,000 per year in savings over the next five years, as there will be no truck lease payments during that time.

SCAQMD is currently in its 13th year of implementation for the Carl Moyer Program.

*For more information on the program, please visit the Carl Moyer Web Page on the SCAQMD’s web site at, [www.aqmd.gov/tao/implementation/carl\\_moyer\\_program\\_2001.html](http://www.aqmd.gov/tao/implementation/carl_moyer_program_2001.html) or contact the Technology Advancement Office at (909) 396-3179.*

## Rule Revised to Further Reduce Emissions from Tint Coatings

**A**t its June 3 meeting, the SCAQMD Governing Board amended Rule 1113 to further reduce volatile organic compound (VOC) emissions from architectural coatings. The actions taken by the Board included limiting the allowable VOC content of previously unregulated colorants used to tint paint and other coatings at the point of sale, establishing VOC limits for certain new coating categories, and reducing the allowable VOC content for several existing coating categories. The amendments will also revise the Averaging Compliance Option and Small Container Exemption, removing outdated language and provide rule clarification to improve its enforceability.

*For more information, contact Laki Tisopulos at (909) 396-3123 or LTisopulos@aqmd.gov.*



# Washington Briefing Highlights Need for Clean Transportation Technologies

**T**he Air Quality Institute of the South Coast Air Quality Management District (SCAQMD) co-hosted a briefing on current priorities and programs in Washington, DC, in conjunction with the Los Angeles Area Chamber of Commerce's 2011 "Los Angeles on the Hill" regional consensus trip to the nation's capitol.

Congressman John Garamendi (D-Walnut Grove) provided the opening remarks for the event, highlighting the need for clean transportation technologies and fuels to spur our economy.

SCAQMD staff provided presentations on the impact of the transportation sector on air quality, and how advanced technologies provide opportunities to address pollution from ships, trains, trucks, cars, planes, and construction equipment.

Congressman Dana Rohrabacher (R-Costa Mesa) spoke on the need to find solutions, such as electrification, to reduce emissions from the region's largest transportation hub, the Ports of Long Beach and Los Angeles, in order to reduce public health impacts.

Robert A. Wyman, Jr., a partner in the Los Angeles office of the law firm Latham & Watkins LLP, and a member of the Board of Directors of the Los Angeles Chamber, provided a business community perspective regarding air quality challenges and opportunities for the future, mentioning the Southern California business community's commitment to clean technology and transportation.

Closing remarks were provided by Congresswoman Laura Richardson (D-Long Beach), who represents neighborhoods impacted by pollution from the ports. She noted that air pollution is a major concern of her constituents and that "we have to help businesses be successful, but also make sure we are protecting our environment." Richardson underscored the need for the business community and the SCAQMD to continue to work together to find solutions to address our region's air quality needs.

For more information, contact Marc Carrel at (909) 396-3213 or [mcarrel@aqmd.gov](mailto:mcarrel@aqmd.gov).

# Senior Clean Air Fair to be Held in Los Angeles on September 15

**S**eniors are invited to come celebrate healthy living and clean air by attending the 2nd Senior Clean Air Fair that will be held in Los Angeles on Thursday, September 15, 2011, from 9 a.m. to 2 p.m. at the Los Angeles Convention Center, West Hall B.

This fair will feature information on air quality, respiratory health and clean air tips for home, family, and community. There will also be exhibits and clean air vehicle displays with information for seniors, including giveaways.

The program serves to foster awareness and increased understanding of air pollution and its health impacts, while providing seniors with practical steps they can take in their home, neighborhood and community to help improve air quality.

Transportation will be provided through participating organizations,

and pre-registration to attend the fair is requested.

The first Senior Clean Air Fair was held on April 7 at the campus of California State University, Northridge, and close to 700 senior citizens from throughout the San Fernando Valley attended.

This is the second in a series of Senior Clean Air Fairs that the SCAQMD will be hosting throughout the region. Others are also planned to be held this fall in Orange, Riverside and San Bernardino counties.

To make arrangements to be an exhibitor at this event, or any other future senior fair events, contact Drue Hargis at (909) 396-3227 or [DHargis@aqmd.gov](mailto:DHargis@aqmd.gov).

For more information on the event or attending, contact Lourdes Cordova Martinez at (888) 425-6247 or [lcmartinez@aqmd.gov](mailto:lcmartinez@aqmd.gov).

# Protecting Yourself During Wildfire Season

SCAQMD  
Advisor

**W**ith fire season around the corner, California Governor Jerry Brown declared May 1-7, 2011 "Wildfire Awareness Week." During that week, the California Department of Forestry and Fire Prevention (CAL FIRE) began urging homeowners to be ready for wildfires. Wildfire Awareness Week was designed to not only remind Californians of the dangers wildfires pose, but also to educate them on how to prepare their property.

So far this year, California has experienced above-average rainfall across the state. The increased precipitation has left many areas abundantly green and overgrown. However, as warmer temperatures and drier conditions occur, the grass and brush will begin to dry out and the fire danger will dramatically increase. "This year's fire season has not started as early as it has in years past," said Chief Ken Pimlott, CAL FIRE acting director. "That's why residents should take the time now, while the grass is still green, to make sure they are ready for California's wildfires."

During the last five years, an annual average of 7,000 wildfires burned over 900,000 acres of California's timber and grasslands, releasing carbon dioxide and other greenhouse gases into the atmosphere and destroying forests, damaging habitat, and affecting biodiversity. As a result of climate change, the risk of large wildfires that threaten or take lives and destroy homes, is predicted to rise over the next several decades.

In addition, the U.S. Department of Health and Human Services and

the Centers for Disease Control and Prevention report that California fires and their smoke pose a number of health risks, including serious respiratory ailments, reaching far beyond the wildfire boundaries, irritating human respiratory systems and worsening chronic heart and lung diseases.

Last summer, CAL FIRE launched a new website, [www.ReadyForWildfire.org](http://www.ReadyForWildfire.org), to assist homeowners in preparing for wildfires. The site offers steps residents should take to make their home more resistant to wildfires and to ensure that their family is ready to evacuate early and safely when a wildfire strikes.

SCAQMD provides smoke safety alerts during fire seasons to residents. To learn more about any current wildfires and related air quality information, visit the Air Quality Forecast/Advisories map section on the AQMD's main web page at: [www.aqmd.gov](http://www.aqmd.gov). Also available on the SCAQMD's web site are fact sheets on Fire Safety Alert Tips for residents, seniors and children on how they can protect themselves from unhealthy air. The fact sheets are available on the Publications web page.

For more information, call 1-800-CUT-SMOG (1-800-288-7664) or visit the SCAQMD's Clean Air Connections - Air Quality and Wildfires web page at: [http://www.aqmd.gov/ej/CAC/wildfire\\_safety\\_tips.htm](http://www.aqmd.gov/ej/CAC/wildfire_safety_tips.htm).

# Mow Down Air Pollution Electric Lawn Mower Exchange and Go Green Expos



**D**ue to popular demand, the SCAQMD is expected to have provided 43,000 zero-emission lawn mowers to Southern Californians by the end of 2011, the ninth year exchanges have been held. The SCAQMD's annual lawn mower exchange has enabled residents to save money and help reduce air pollution by exchanging a working gasoline-powered lawn mower for a new electric mower at a deeply discounted price.

The 2011 exchange program runs from May through July and offers 6,600 electric mowers for \$100 to \$230, depending on which of the five models consumers choose. The exchange events

are scheduled to end on July 23 with an event to be held in Anaheim. But some additional exchange events may be added later this summer, if mowers are still available.

In conjunction with some lawn mower exchange events, SCAQMD is hosting Go Green! Lawn and Garden Expos. These expos showcase eco-friendly lawn-care equipment and related green products and services that save energy, conserve water and allow the public to maintain the garden they desire. While registration is required to participate in the lawn mower exchanges, these expos are free and open to the public, and no pre-registration is

required to attend.

Residents interested in attending the remaining lawnmower exchange events in July, or any possible additional events, are encouraged to check the 2011 Lawn Mower Exchange information on SCAQMD's web site for any updates on exchange events at <http://www.aqmd.gov/tao/lawnmower.html> or call the toll free Lawn Mower Exchange hotline at (888) 425-6247.

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

## Bike-to-Work Day Celebrated on May 19



**S**eventeen SCAQMD staff rode their bikes to work on May 19, in support of national Bike-to-Work Day. Bike-to-Work Day is an annual event celebrated during the month of May across the United States and Canada. Begun in 1956, Bike-to-Work Day is designated to promote bicycling as an option for commuting to work.

Several of the staff rode their bikes to SCAQMD's Diamond Bar headquarters from as far away as Long Beach (27miles) and Rancho Cucamonga (22miles). The day before Bike-to-Work Day, participants were organized to coordinate logistics and ensure that all participants understood SCAQMD requirements, and were aware of bike safety rules.

The bicyclists are a close-knit group who look out for one another. For example, one of the Bike-to-Work participants had mechanical challenges that caused delays in her ride to work. A fellow participant who had arrived safely to Diamond Bar was made aware of the situation and went back out on the road to ensure that the rider who had

difficulties was able to reach the Diamond Bar office safely.

More employees have expressed interest in participating in the Bike-to-Work Day activities, but are apprehensive about attempting to ride due to the distance between their homes and Diamond Bar. In future years, to encourage these riders, SCAQMD will establish a number of Biker-Buddy locations specifically for those who live great distances.

In preparation for the 2012 Bike-to-Work Event, employees will be encouraged to drive, carpool, ride a bus or ride a train to a location that will allow them to participate in the Bike-to-Work activities without the concern of biking long distances.

Due to the success of the Bike Program, veteran bicyclists have decided to establish a structured Bike Club that all SCAQMD employees are welcome to join.

*For more information, contact Eyvonne Drummonds, at (909) 396-3287, or [esells@aqmd.gov](mailto:esells@aqmd.gov).*

## California HOV/ Carpool Stickers for Hybrid Vehicles Expire on July 1, 2011



**E**ffective July 1, 2011, owners of older plug-in gas/electric hybrid clean air vehicles displaying yellow Clean Air Vehicle decals will no longer get a free ride in the carpool lane. After that date, those drivers will need to carry the minimum number of passengers to ride in high occupancy vehicle (HOV) carpool lanes or they'll be subject to a citation.

The yellow sticker program, which began in 2005, was originally set to expire in 2008, but the Legislature extended the program to 2011. No further extension was granted.

Yellow Clean Air Stickers were issued to drivers of a hybrid or alternative fuel vehicle meeting California's advanced technology partial zero-emission vehicle (PZEV) standards for criteria pollutant emissions that have a 45-mile per gallon or greater fuel economy highway rating. This includes a 2004 model-year or older hybrid that meets California's super ultra-low emission vehicle (SULEV), or partial zero-emission standards.

Vehicles with yellow stickers were allowed access to HOV/carpool lanes without meeting the minimum passenger requirements. These stickers were limited to the first 85,000 applicants, and this limit had already been reached.

But yellow is not the only color decal that has been issued to allow HOV lane access. White Clean Air Vehicle Stickers are still available to an unlimited number of qualifying Federal Inherently Low Emission Vehicles (ILEVs). Cars that meet these requirements are typically certified pure zero emission vehicles (100% battery electric and hydrogen fuel cell) and compressed natural gas (CNG) vehicles. The expiration date for the white stickers has been extended to January 1, 2015.

In addition, Green Clean Air Vehicle Stickers are pending federal approval to become available as of January 1, 2012, and be valid through January 1, 2015 to the first 40,000 applicants that purchase or lease cars meeting California's enhanced advanced technology partial zero emission vehicle (AT PZEV) requirements. Vehicles qualifying for this new sticker will be added to CARB's website; however applications for the new sticker will only be accepted once the program is scheduled to begin on January 1, 2012. Qualifying vehicles purchased before the program begins will be eligible to receive the green decals.

*For more information, contact the CARB Helpline at (800) 242-4450 or visit their Eligible Vehicles - Single Occupant Carpool Lane Use Stickers web page at: <http://www.arb.ca.gov/msprog/carpool/carpool.htm>.*



# Did You Know?

**A**bout 38 percent of vehicles on the road in California today have severely under-inflated tires. Not only can under-inflation seriously reduce a vehicle's handling capabilities, it can also cause irreparable damage, reduce tread life and force the engine to work harder (thus increasing the amount of fuel needed). If all drivers in the U.S. kept their tires properly inflated, 2 million gallons of gas could be saved per day!



## Ask the SCAQMD Advisor



**Q:** How does the weather play a role in creating smog, and what is the smoggiest time of the year here in the Southland?

**A:** Weather plays a significant role during every smog season with hot stagnant days favoring ozone formation. This year's Southland season began with fewer hotter-than-normal days, possibly contributing to fewer unhealthy days.

- Smog season officially begins on May 1 and ends on October 31. Ground-level ozone can cause short-term health effects including chest pain, and nose and throat irritation, and is linked to increased symptoms for those with asthma and bronchitis.
- Although smog levels in the Southland have declined dramatically during the past few decades, progress has slowed in recent years. However, with new regulations in place or expected in the near future, particularly those targeting diesel emissions, we hope to see continued air quality improvements in future years,

- Continuing the declining trend in 8-hour ozone concentration levels is important in protecting public health and reducing public exposure to harmful air pollution.



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

# Save the Date for the 23rd Annual Clean Air Awards

SCAQMD Advisor

**S**CAQMD will be recognizing individuals and organizations for their contributions to clean air at the 2011 Clean Air Awards scheduled for Friday, October 7, 2011 at the Millennium Biltmore Hotel in Downtown Los Angeles.

The awards luncheon will honor Clean Air Award recipients for achievement in technology, transportation, community, public education, and environmental stewardship initiatives.

Tickets to the 23rd Annual Clean Air Awards in the Biltmore's Crystal Ballroom at 506 South Grand Avenue in Los Angeles are \$40 per person or \$400 for a table of ten.

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



## Upcoming Events

**S**CAQMD is participating in the following upcoming community environmental events:

**July 23**

### Lawn Mower Exchange/Garden Expo

Angel Stadium  
2000 Gene Autry Way, Anaheim, CA 92806  
8 a.m. – 1 p.m.

**August 13**

### Rim of the World Community Health & Safety Fair

Lake Gregory Park  
24646 San Moritz Drive, Crestline, CA 92325  
10 a.m. – 2 p.m.

**August 25**

### Third Annual Green & Health Expo

Crowne Plaza Anaheim Resort  
12021 Harbor Blvd., Garden Grove, CA 92840  
8 a.m. – 4 p.m.

**September 17**

### Huntington Beach Green Expo

Huntington Beach Pier Plaza  
1 Main St, Huntington Beach, CA 92648  
9 a.m. – 5 p.m.

Other events to be announced soon.

For more information, contact Lisa Tanaka O'Malley at (909) 396-3327 or [lomalley@aqmd.gov](mailto:lomalley@aqmd.gov).



# RULE UPDATE

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 Rule 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 SCAQMD's Public Information Center, (909) 396-2039.

## September

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

Amendments to Rule 1107 would further reduce volatile organic compound (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).*

### **Rule 1420 - Backstop Requirements for Ports of Los Angeles and Long Beach**

The proposed rules will address toxic and criteria pollutant emissions from new and existing port-related sources.

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

### **Rule 1471 - Requirements for Diesel-Fueled Internal Combustion and Other Compression Ignition Engines Used in Agricultural Operations**

The California Air Resources Board (CARB) has amended the airborne toxic control measure (ATCM) 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. Proposed Rule 1471 will consolidate requirements for existing and new diesel-powered agricultural engines.

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

### **Rule 2511 - Credit Generation Program for Locomotive Head End Power Unit Engines**

Staff proposes to develop a rule to allow generation of particulate matter (PM) mobile source emission reduction credits from Locomotive Head End Power Unit Engines. Credits will be generated by retrofitting engines with PM controls or replacing the engines with new lower-emitting engines.

*For more information, contact Randal Pasek at (909) 396-2251 or [rpasek@aqmd.gov](mailto:rpasek@aqmd.gov).*

### **Rule 2512 - Credit Generation Program for Ocean-Going Vessels at Berth**

Staff proposes to develop a rule to allow generation of PM, NO<sub>x</sub> and SO<sub>x</sub> emission reduction credits from ocean-going vessels while at berth. Credits will be generated by controlling the emissions from auxiliary engines and boilers of ships while docked.

*For more information, contact Randal Pasek at (909) 396-2251 or [rpasek@aqmd.gov](mailto:rpasek@aqmd.gov).*

## October

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

Amendments to Rule 1110.2 are proposed 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 emission reductions.

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

### **Rule 1173 - Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants**

Amendment to Rule 1173 may be necessary to address greenhouse gas emissions from petroleum facilities and chemical plants.

*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



Philip Fine

SCAQMD  
Advisor

**B**orn and raised in San Francisco, Philip Fine left the Bay Area after graduating from the University of California, Berkeley in 1993. He migrated to Southern California where he attended the California Institute of Technology, earning a Ph.D. in Environmental Engineering and Science in 2002.

He remained in academia serving as a Research Assistant Professor at the University of Southern California, where he conducted extensive research on particulate pollution exposure and health effects. He also taught several courses in the areas of air pollution and environmental monitoring. Then in 2006, Philip joined the SCAQMD as Atmospheric Measurements Manager in the Monitoring and Analysis unit of the Science & Technology Advancement department.

Since then he has been heavily involved in a wide range of air monitoring projects, including the operation of SCAQMD's 36 ambient air monitoring stations throughout the region, and special community monitoring projects involving air toxics, nuisance odors, and other local concerns.

Recently transferred from Atmospheric Measurements to Planning, Rule Development & Area Sources, Philip is now working on various programs including the SCAQMD's 2012 Air Quality Management Plan, climate and energy policy, and particulate matter control strategies. When asked how Philip explains his job to his 6-year-old daughter he states, "She has settled on telling her friends that I "clean the air," and then proceeds to blame me every time she sees smog, haze, or smoke anywhere in the world."

Philip, his wife Dawn, and their 6-year old daughter Noe, live in Topanga Canyon in the Santa Monica Mountains. One of their favorite activities is international travel, normally "taking two big trips a year." He has visited over 80 countries and hopes to continue exploring the globe with his family.

As his daughter is growing older, he is spending more of his free time getting involved and supporting her many activities, such as Belly Dancing, Aerial Gymnastics, and Piano. "I hope to spend most of my Mondays this summer with her," he said.

**S**udeshna Bakshi joined the staff of the SCAQMD in January 2011, where she is employed as an Assistant Air Quality Engineer with Permits-Coating, in Engineering and Compliance. But this is not her first job in air quality. She previously worked as an Air Quality Engineer for the San Joaquin Valley Air Pollution Control District, and before that she was employed by several air quality consulting firms.



Sudeshna Bakshi

Sudeshna sought a job at SCAQMD because of the challenge this agency faces in meeting attainment due to its "unique geographical location" and the presence of a large number of industries.

During her experience with the consulting firms "where we had to be in compliance with SCAQMD permits," it made her wonder "how the SCAQMD engineers craft the permits so magically?" That, along with the creativity of the SCAQMD "in coming up with different ways to keep the air clean, and at the same time ensuring that businesses are not unduly affected," led Sudeshna to believe SCAQMD would be a great place to work.

"It was a dream come true for me to be part of the SCAQMD family," she said, "and I have started to discover what a wonderful place it is to work."

Sudeshna was born and raised in India and still has family members living there. Prior to starting her career in the air quality arena, she earned a Bachelor's Degree in Civil Engineering at Jadavpur University in Calcutta, India in 1990, and then earned a Master's Degree in Water Resources Engineering and Environmental Engineering at Tennessee State University in 2002.

Sudeshna went back to India in 2003 after graduation, but returned to the U.S. three years later. Married to her husband, Saibal Bakshi, for almost five years, they currently live in Chino Hills.

Sudeshna enjoys reading, particularly fiction and travel books, and enjoys listening to music in both Hindi and Bengali languages. Recently, she has started to develop an interest in gardening and has some potted plants growing on her patio such as chili, tomato, cilantro, and a bamboo plant inside her house. She also plans to cultivate even more plants in her garden as the summer sets in.

**S**andra Hom has worked at the SCAQMD since 1980 and is currently a Senior Air Quality Chemist in the Aerosol Analysis Section of Laboratory Services, a part of the Science & Technology Advancement Division. She is mainly involved with the TSP and PM10 particulate sampling programs and is responsible for reporting data from those programs to the U.S. Environmental Protection Agency. She feels very fortunate to have taken the advice of one of the California State University, Fullerton professors to apply for a job at the District all those many years ago.



Sandra Hom

Sandra has many fond memories of growing up in Artesia when there was a lot of open space and there were cows in nearby Dairy Valley (now known as Cerritos). After two years of attending what was then known as Fresno State, she transferred to CSUF to earn a Bachelor's Degree in Biology. After spending a couple of years as a forwarding clerk for ocean shipments she returned to CSUF where she earned her Master's Degree in Chemistry.

After working at the SCAQMD for 10 years, Sandra met and married her husband, John Yee. John is a Senior Air Quality Engineer in the Engineering and Compliance Division of the SCAQMD. They have one son, Kevin, who will be a senior at Diamond Ranch High School this coming school term.

Sandra enjoys playing tennis and bicycle riding. She and her family enjoy the outdoors and have traveled to Yellowstone and Mammoth for many vacations.

More recently, Sandra has participated in the CVE3 (chemists vs engineers third annual challenge) softball game. She reminisces about the times when she played softball on the Laboratory team when she first joined the District and now finds it so much different since now she is one of the old-timers.



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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 (866) 861-DUST (3878) or email [dustcontrol@aqmd.gov](mailto:dustcontrol@aqmd.gov).

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

- July 13
- August 17
- September 14
- October 12
- November 16
- December 14

Classes are held from 8:00 a.m. – 1:00 p.m. at SCAQMD Diamond Bar Headquarters. Registration fee is \$74.64 per person and pre-registration is required.

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

### Rule 461 - Gasoline Transfer and Dispensing Compliance

The Rule 461 series provides attendees with fundamental understanding of vapor recovery systems and other information necessary to comply with Rule 461 requirements. Each class is designed for a particular activity conducted under Rule 461. Refer to Rule 461 to determine which class or classes are required.

Daily Self-Inspection Class for Gasoline Service Station Owners/Operators - Class fee is \$137.12 per person.

- September 16
- November 18

Tester Orientation Training, Gasoline Dispensing Facility's Vapor Recovery System - Class fee is \$142 per person.

- September 8
- November 3

Annual Periodic Inspection Class for Gasoline Service Station Owners/Operators - Class fee is \$150.08 per person.

- September 23
- November 30

These are one-day classes and meet at SCAQMD's Diamond Bar headquarters (Room CC-6) from 8:30 a.m. to 5:00 p.m. Check-in time is 8:00 a.m. to 8:30 a.m. pre-registration is required.

To register, go to SCAQMD's web site at [www.aqmd.gov](http://www.aqmd.gov), and click on "Training/ Compliance Assist. Classes" on the left column under "Quick Links."

For additional information, contact Cynthia Ponce at (909) 396-3178 or email [cponce@aqmd.gov](mailto:cponce@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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