

Cleaning the air
that we breathe...



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SCAQMD TO FUND AIR FILTRATION PROJECT IN SOUTH BAY SCHOOLS

Following a successful pilot program earlier this year, SCAQMD awarded \$1.125 million on Oct. 3 for high-efficiency air filtration devices at schools in communities surrounding the Valero oil refinery in Wilmington.

The project is funded by a penalty settlement with the Valero oil refinery following its failure to meet a May 9, 2007 deadline to phase out its use of the highly toxic chemical hydrogen fluoride (HF).

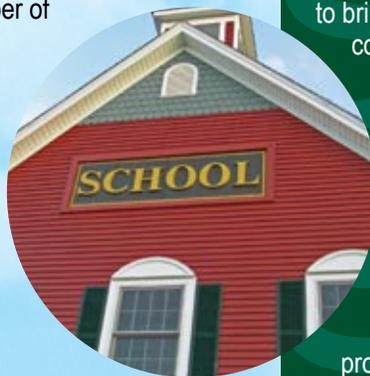
This new project will help expand the air filtration program to schools in communities surrounding the Valero refinery and help reduce children's exposure to particulate matter and diesel emissions.

"School children have a right to breathe clean air," said William Burke, SCAQMD's Chairman. "Southland refineries must comply with some of the toughest air pollution laws in the nation. This will give an extra level of protection to school children in the Wilmington area."

SCAQMD will provide \$1.125 million to IQAIR North America to install high-efficiency air filtration devices at schools located in communities impacted by industrial and refinery emissions. SCAQMD will work with school representatives to identify schools that are most impacted.

Air filtration devices range in cost from less than \$100 for a high-efficiency filter for use in existing heating, ventilation and air conditioning (HVAC) units to about \$8,500 for a stand-alone air filtration device used in schools without existing HVAC systems. The number of schools participating in the project will vary depending on the type and number of device required at each school.

In December 2006, SCAQMD funded a pilot study at three elementary schools located near refineries, and other industrial facilities and freeways in the Carson-Long Beach area. The project tested the effectiveness of various air filtration devices at removing pollutants from indoor air. Preliminary results from two schools -- Hudson Elementary in Wilmington and Del Amo Elementary in Carson -- showed that the low-cost, high-efficiency HVAC filters are effective at removing particles from indoor air.



For more information, contact Phil Fine at (909) 396-2239.

"The Future is Green" Conference a Success

More than 2,700 people attended "The Future is Green Conference and Expo" which showcased new and emerging technologies that are reducing emissions and conserving energy. The three-day event, held at the Long Beach Convention Center, September 14-16, 2008, was hosted by the California Air Pollution Control Officers Association (CAPCOA) and a group of regional air districts, including the South Coast AQMD.

Panel sessions covered topics ranging from renewable energy and green consumer products to clean fuels and green building standards. The expo included more than 100 exhibitors, and nearly 40 advanced-technology vehicles were on display. Keynote luncheon speakers included T. Boone Pickens, who discussed his plan to use wind and solar power to generate electricity, and natural gas to power vehicles.

CAPCOA also encouraged high school teachers to bring field trips to the conference. More than 1,300 students from 29 schools toured the expo and attended special sessions on how they could reduce air pollution and fight global warming.

Conference proceedings, including many of the presentations, will soon be made available on the conference website www.capcoagreen.com.

For more information, contact Larry Kolczak at (909) 396-3215.



ZERO-EMISSION ELECTRIC TRAM UNVEILED AT DESCANSO GARDENS

An environmentally friendly electric tram for transporting guests made its official debut in October at Descanso Gardens in La Cañada Flintridge.

The new tram replaced an aging, propane-fueled internal combustion engine that was noisy and decades-old. The improved vehicle features zero emissions and it meets American with Disabilities Act requirements.

Funded by the South Coast Air Quality Management District (SCAQMD) and the Los Angeles County Board of Supervisors, the tram is expected to improve air quality in and around the park. It plugs into a conventional electric outlet for overnight charging.

"This tram will provide thousands of visitors to a clean, zero-emission form of transportation," said Michael Antonovich, Los Angeles County Supervisor, Fifth District, and SCAQMD Governing Board Member. "Replacing the short-distance tourist trams at the park with electric vehicles is also a responsible first step in making this beautiful educational facility more environmentally friendly."



Officials from Descanso Gardens say this is just the first step in the 160-acre park's long-term vision of becoming a self-sustaining natural environment with regard to water, energy, waste disposal and recycling. Groundskeepers already use electric utility carts. In the near future, the tram, which transports about 14,000 visitors through the county-owned park every year, will be recharged with solar photovoltaic electricity.

For more information, contact Lisa Mirisola at (909) 396-2638.

Be Green – Get Your Advisor Online

The SCAQMD Advisor is now available on the website – www.aqmd.gov. You can access it online, or sign up on the listserve. Select the Community tab on the website, scroll down to "list serve" and follow the steps. You'll get the

latest Advisor, and conserve paper at the same time. If you are currently receiving the Advisor in the mail and prefer to subscribe to the online version, please let us know. Send a message to Advisornewsletter@aqmd.gov.

Another New City Joins SCAQMD

On October 1, 2008, Menifee, the newest city in Riverside County held its official incorporation ceremony. Menifee is the 25th city in SCAQMD's jurisdiction of Riverside County and is located at the southwestern part of the county near the new city of Wildomar.

Menifee's city incorporation ceremony and first city council meeting were held at Bell Mountain Middle School, in Menifee. Over 500 people were in attendance at the ceremony where Riverside County Supervisor Jeff Stone, along with Supervisor Marion Ashley, swore in Menifee's first City Council: Mayor Wallace Edgerton, Mayor Pro Tem Darcy Kuenzi, Councilmembers John Denver, Scott Mann and Fred Twyman. George Wentz is the new City Manager.

For more information, contact William Sanchez at (909) 396-3203.

CARB Board Voices Appreciation for SCAQMD Climate Protection Efforts

South Coast AQMD welcomed the opportunity recently to serve as host for the September 25, 2008 meeting of the California Air Resources Board (CARB), held in Diamond Bar.

CARB's agenda included a presentation by SCAQMD's Executive Officer Barry Wallerstein on SCAQMD's efforts related to climate change, including an overview of:

- the SCAQMD Governing Board's recently adopted Climate Change Policy;
- development of the SoCal Climate Solutions Exchange consistent with the AB 32 Global Warming Solutions Act, to encourage voluntary greenhouse gas reductions as well as co-benefits for local investment & public health;
- modification of the District's annual emissions reporting software to include voluntary greenhouse gas reporting; and
- development of an interim greenhouse gas significance threshold for project analyses under the California Environmental Quality Act (CEQA) in the current absence of a state threshold.

Dr. Wallerstein noted, "When we look at Southern California and we look at the scope of the climate change issues that face us, we believe that we can be part of the solution - - and that, in fact, we need efforts at all levels, not just the state, the federal government, or us at local air districts, but also at the local government level as well."

He also noted that the whole AB 32 program must be anchored by the active participation and leadership of local government entities including local air districts, boards of supervisors, councils of government (COGs), transportation planning agencies, and city councils.

In response, CARB board members saluted SCAQMD's efforts to date and encouraged CARB's staff to redouble their efforts to work with local air districts as major partners in implementing the AB 32 Scoping Plan.

For more information, contact Jill Whynot at (909) 396-3104.

The Communities of Faith Partnership is a special part of the Clean Air Congress, SCAQMD's free service to inform and encourage public participation in policy issues surrounding air quality and its impacts on health and the environment.

The goal is to build bridges and empower everyone to make a difference in their community by:

- Informing congregants about air quality and environmental issues
- Hosting presentations on air quality issues
- Attending air quality meetings
- Coordinating faith-based environmental and health fairs

Membership in the Communities of Faith Partnership is free, and is open to all religions and faith-based groups.

For more information, contact Lisa Ball, 909-396-2642.



Going Green at the Los Angeles County Fair

For eighteen days in September, SCAQMD was a major sponsor and participant in the 2008 Los Angeles County Fair held at the Fairplex in Pomona. The Fair, which celebrated its 86th year, attracted more than one million people.

Visitors to the SCAQMD exhibit, located in the Fair's Going Green - Making a World of Difference attraction, were able to learn how to access local air quality information on a daily basis, and how they can help improve air quality by utilizing current and new products, and lower polluting equipment.

Some of the most popular displays at the exhibit provided information on the following SCAQMD programs:

The Clean Air Congress: A free service hosted by the SCAQMD for everyone who cares about clean air. By joining the Clean Air Congress, members are informed and involved in the fight against air pollution.

The Healthy Hearths Initiative: Residents in SCAQMD's four-county jurisdiction are eligible to receive a \$125 discount at participating dealers



on the purchase and installation of a gas-log set to replace wood-burning fireplaces. The program is part of SCAQMD's Healthy Hearths initiative which aims to reduce harmful pollution from residential wood burning.

The Clean Air Choice Car Program: A program sponsored by the SCAQMD to provide information to help make personal transportation decisions that benefit the environment and improve air quality. The public can check out lists of low-emission vehicles for model year 2008 that help to identify the current clean air cars now in dealer showrooms.

Lawn Mower & Leaf Blower Exchanges: Southland residents will once again have the opportunity in 2009 to participate in the SCAQMD's popular Lawn Mower Exchange program, and professional gardeners/landscapers will also have the opportunity next year to participate in the Leaf Blower Exchange program. Residents can sign up on the SCAQMD's web site list-serve to be notified of the details for next year's events.

EnviroFlash: Local air quality notifications are available via e-mail on a daily basis by signing up for EnviroFlash – a free system offered through the U.S. Environmental Protection Agency in partnership with SCAQMD. To sign up, visit www.enviroflash.info

For additional information on any of these programs, please visit the SCAQMD's web site at www.aqmd.gov or contact Pom Pom Ganguli at (909) 396-3185.



20th Annual Clean Air Awards



2008 Clean Air Award Recipients Among Leaders Combating Southland Air Pollution

On October 1, individuals and organizations were recognized for their contributions to clean air at SCAQMD's 20th Annual Clean Air Awards.

The awards luncheon, emceed by KNBC-TV weathercaster Fritz Coleman, honored seven Clean Air Award recipients for achievement in technology, transportation, community, public education and environmental stewardship initiatives. In addition, a Long Beach physician and state senator were honored for their community and government leadership.

"Each of these honorees demonstrated their own clear commitment to cleaner air and took a step beyond by enabling and inspiring others to do the same," said William A. Burke, Ed.D., chairman of SCAQMD's Governing Board.

The 2008 Clean Air Awards winners are:

2008 LEADERSHIP IN GOVERNMENT AWARD

State Sen. Alex Padilla has shown strong support for improving air quality through his work in the Senate Rules Committee, often focusing on health and environmental issues.



This year, Senator Padilla's bill, SB 1646, passed the Legislature and was signed by the Governor, reauthorizing the highly successful Clean Fuels Program. He has partnered actively with the AQMD to ensure that all affected stakeholders have a voice in policymaking decisions that can affect air quality.

ROBERT M. ZWEIG, M.D. MEMORIAL AWARD

Elisa Nicholas, M.D. is CEO of the Children's Clinic and Chief of Staff at Miller Children's Hospital in Long Beach.



She was instrumental in establishing the Long Beach Alliance for Children with Asthma, a grassroots organization that raises community awareness about children's asthma. Through educating parents and children on ways to control asthma, the Alliance helps reduce emergency room visits and school absenteeism caused by the disease.

ADVANCEMENT OF AIR POLLUTION TECHNOLOGY

Energy Control Systems Engineering (EnergyCS) of Monrovia, with support from Valence Technologies,



pioneered the engineering and development of the plug-in hybrid-electric vehicle Toyota Prius retrofit. This modified vehicle is designed to achieve more than 100 mpg for the first 50 to 60 miles of a user's daily commute.



Other technologies developed by EnergyCS include a battery management system used in diesel hybrid-electric switcher locomotives; a fast charger for neighborhood electric vehicles, and a prototype electric vehicle designed for inner city delivery and postal service applications.

INNOVATIVE TRANSPORTATION PROJECTS



UC Irvine Parking & Transportation Services' Sustainable Transportation Program provides the campus community with affordable access to alternative transportation while reducing congestion and improving air quality. Each year, the program eliminates more than 39 million vehicle miles and 18,600 tons of greenhouse gas emissions while saving the university more than \$21 million.

The 1.87 average vehicle ridership achieved by UCI is one of the highest for an employer of comparable size in Southern California. UCI was designated as one of the Best

Workplaces for Commuters by the U.S. Environmental Protection Agency. UC Irvine ZEV-NET, or Zero Emission Vehicle Network Enabled Transport, is a unique transportation system that couples the benefits of mass transit with the convenience and flexibility of a personal car.



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MODEL COMMUNITY ACHIEVEMENT

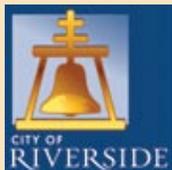
The City of Santa Clarita has integrated air quality policy and programs through a large scope of efforts that include an annual Bike to Work Day, transit-oriented redevelopment, participation in the Community Energy Partnership and installation of the first public-access compressed natural gas fueling station in the Santa Clarita Valley.



Santa Clarita also maintains an environmentally preferable purchasing policy, has been awarded a Tree City USA designation for 18 consecutive years and works for air quality improvement with SCAQMD.



MODEL COMMUNITY ACHIEVEMENT



The City of Riverside Grease to Gas to Power Project Nearly 500 restaurants in the City of Riverside are required to have grease traps in their sewer lines to prevent clogging the city's sewers. As it turns out,



grease of this type can be very effectively treated in the anaerobic digester tanks found in most sewage treatment plants. In fact, the grease improves the digester's performance and increases production of high-quality methane gas, which can be used to generate electricity and heat at the treatment plant.

The city arranged for a waste hauler to transport restaurant grease to the city's sewage treatment plant and pump it directly into the anaerobic digester. The process has worked so well that it has saved the city about \$1 million in costs for natural gas and electricity and has reduced by 26 percent smog-forming nitrogen oxide from the cogeneration units.

PROMOTION OF GOOD ENVIRONMENTAL STEWARDSHIP

Otana Jakpor, a sophomore at Woodcrest Christian High School in Riverside, took an interest in air quality and its link to asthma at an early age. After discovering a lack of data on the pulmonary effects of ozone air purifiers, Otana decided to do her own research. Her results, presented to the California Air Resources Board, showed that certain kinds of air purifiers emit astoundingly high levels of ozone. The Air Resources Board subsequently adopted the nation's first measure regulating ozone generators.



Otana received the 2008 President's Environmental Youth Award for EPA Region IX in recognition of her research. President Bush presented the award to her at a White House ceremony in April.

PUBLIC EDUCATION ON AIR QUALITY ISSUES

Clean Air Now, a local sponsor of the Clean Air Challenge, has worked to help middle and high school science teachers meet California science standards while enabling students to



conduct scientific research on an environmental problem that impacts their health. Students learn about the correlation between ground-level ozone and emissions of nitrogen oxides and volatile organic compounds from cars and trucks. Students



are then introduced to alternative fuels that produce fewer emissions.

RULE UPDATE

The following proposed and amended rules and regulations are tentatively scheduled for hearing at upcoming Governing Board meetings. To verify whether scheduling changes have occurred, visit the SCAQMD Web site at 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 Web site at www.aqmd.gov/rules/rules.html or provided by SCAQMD's Public Information Center, (909) 396-2039.

December

Rule 317 Clean Air Act Non-Attainment Fees

The proposed rule promulgates mandatory federal Clean Air Act provisions and implements 2007 AQMP Control Measure MCS-08 by requiring stationary sources that have a potential to emit 10 tons per year or more of VOC or NOx to pay annual emission fees of \$5000 (1990 dollars adjusted for inflation) per ton of VOC in excess of 80 percent of the source's 2010 emissions beginning in 2011. *For more information, contact Larry Bowen (909) 396-2575 or lbowen@aqmd.gov*

Rule 1144 VOC Emission Reductions from Lubricants

Proposed Rule 1144 will reduce VOC emissions from the use of lubricants in a variety of processes. *For more information, contact Larry Bowen (909) 396-2575 or lbowen@aqmd.gov*

Rule 1147 NOx Reductions from Miscellaneous Sources

Proposed Rule 1147 will require combustion equipment not regulated by existing rules to meet emission limits for nitrogen oxides. The rule will implement Control Measure CMB-01 of the 2007 AQMP. *For more information, contact Joe Cassmassi (909) 396-3155 or jcassmassi@aqmd.gov*

Rule 1469 Hexavalent Chromium Emissions from Chrome Plating and Chromic Acid Anodizing Operations

In October 2007 CARB approved amendments to the state ATCM for Chromium Plating and Chromic Acid Anodizing Facilities to further reduce hexavalent chromium emissions from chrome plating operations. Proposed Amended Rule 1469 would incorporate changes from the ATCM and other amendments to address hexavalent chrome emissions from this source category. *For more information, contact Susan Nakamura (909) 396-3105 or snakamura@aqmd.gov*

Rule 222 Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation II

The proposed amendments will add certain specific emission sources (to be determined) that are currently exempt from written permits to submit filings in order to determine rule compliance or improve the emissions inventory. *For more information, contact Naveen Berry (909) 396-2363 or nberry@aqmd.gov*

January 2009

Rule 1143 Reduction of VOC Emissions from Lacquer Thinners and Paint Thinners

The proposed rule will establish VOC limits or other requirements for the use of lacquer thinners, paint thinners and other VOC-containing products that are not currently regulated. *For more information, contact Larry Bowen (909) 396-2575 or lbowen@aqmd.gov*

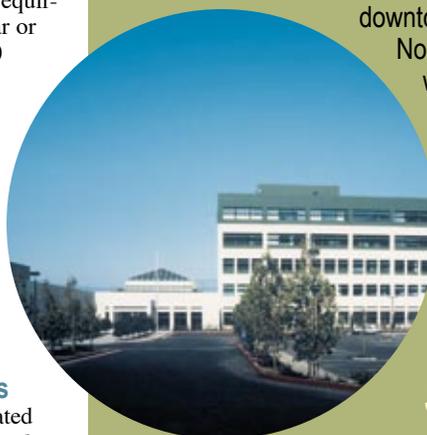
Healthy Air Walks

South Coast AQMD served as a sponsor of the American Lung Association "Healthy Air Walks" which were held October 19, 2008 at UC Irvine and Cal State University, San Bernardino.



The Healthy Air Walks are being held throughout California to highlight the fact that unhealthy air both causes and worsens lung disease. Program participants include community leaders, health educators and the general public. A

similar event is scheduled for downtown Burbank on November 9, 2008 which will bring the same air quality and health message to residents of Los Angeles County.



SCAQMD Open House

The public attended an Open House on Saturday, November 1 at SCAQMD offices in Diamond Bar. The half-day program included:

- A discussion with experts on air quality topics such as climate change, alternative fuels, solar technology, and health
- Opportunity to participate in a "ride n' drive" of clean air vehicles
- A Tour of SCAQMD's Clean Air Laboratory and a demonstration on how air samples are taken and analyzed

Recent Events

TOWN HALL MEETING



As an ongoing component of our Environmental Justice program, SCAQMD holds Town Hall meetings at various locations throughout the four counties in the South Coast district. The meetings give local residents the opportunity to talk about air quality concerns and improve citizen involvement in air quality policies. The following Town Hall meeting is scheduled for December 3, 2008 at 6:30 p.m.

Riverside Town Hall Meeting

Rubidoux High School Gymnasium
4250 Opal Street
Riverside, CA 92509

This meeting will include a presentation on local air quality, including a summary of recent actions undertaken to reduce emissions from cement plant operations. On February 6, 2009 the SCAQMD Governing Board will consider proposed amendments to Rule 1156, including a requirement for complete enclosure of clinker material storage at all cement manufacturing facilities in SCAQMD's four-county region.

For more information contact Lourdes C. Martinez at (909) 396-3214



SCAQMD Launches Incentive Program for Clean, Natural-Gas Fireplace Logs

In March, SCAQMD's Governing Board approved the "Healthy Hearths" initiative to reduce harmful fine particulate pollution from fireplaces and wood stoves. Under the program, residents can receive a \$125 discount from the price of purchasing and installing gas log sets to replace wood burning in existing fireplaces.

A list of participating dealers (arranged by ZIP code) is now available at the Healthy Hearths website at www.healthyhearths.org. After speaking with a representative and selecting the product you like, the participating dealer will reduce the purchase and installation price by \$125. You can then work with the dealer to arrange for product installation. Residents of SCAQMD's four-county jurisdiction are eligible for the incentive.

Wood burning devices are used in about 1.4 million households in the Southland. They emit an average of 6 tons per day of PM2.5 emissions – more than four times the amount of PM2.5 emitted from all the power plants in the region. From November through March, pollution from wood burning has been estimated to be more than 10 tons per day.

For more information, contact Tracy Goss at (909) 396-3106



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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.

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.

Rule 2202-Employee Transportation Coordinator Training

- November 19, Metro Headquarters Bldg., Los Angeles
- December 4, SCAQMD's Diamond Bar Headquarters

Classes are held from 8:00 a.m. to 5:00 p.m. Registration fee is \$61.70 per person. Enrollment is limited to 20 students and classes will be filled on a first-come, first-served basis.

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

Rule 1403- Asbestos Demolition/ Renovation Activities

Classes are from 8:00 a.m. – 1:00 p.m., held in CC6 at the SCAQMD's Diamond Bar Headquarters. There is no fee, but pre-registration is required. Please email jmoore@aqmd.gov or phone 909-396-2053 your request with company name, attendee name, date of class desired and contact person's phone number. Following is the schedule:

- November 12
- December 17

This bimonthly news publication is produced by the South Coast Air Quality Management District's (SCAQMD) 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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