At a landmark international conference on April 26-27, scientists, physicians, public health professionals, air quality officials, and policy makers from around the world addressed the impacts of air pollution on asthma sufferers. The event was held at the Disneyland Hotel in Anaheim.

“With the rising incidence of lung disease as a result of poor air quality, AQMD has taken a leadership position in accelerating policy and technology solutions to improve the condition of the air that we breathe,” said William Burke, Ed.D., Governing Board Chairman of the South Coast Air Quality Management District. “Throughout the world, there has been an alarming increase in the incidence of asthma. Recent research indicates that air pollution causes permanent lung damage and irreversible scarring in children.”

AQMD hosted the two-day conference entitled “Asthma Is a Small World … Asthma Impacts of Air Pollution.” The event brought together an unprecedented breadth and depth of policy makers and health experts ranging from California Governor Arnold Schwarzenegger, State Assembly Speaker Fabian Núñez, to regional, state, national and world-renowned asthma and air quality experts. United States Senator Barbara Boxer addressed the conference via video and Olympic Gold Medalist Jackie Joyner-Kersee spoke about the challenge of achieving success with asthma.

AQMD also provided a Ride-N-Drive raising awareness of clean air vehicles available, as well as offering tours of a Breathmobile®. Asthma Is a Small World provided a valuable focal point to gather information, ideas and international contacts regarding awareness of the human costs of delayed pollution cleanup efforts.

For more information, contact Pom Pom Ganguli at (909) 396-3185.
School Flag Program Announced to Heighten Awareness of Daily Air Quality Conditions

A ceremony held April 19 at Providencia Elementary School, students and air pollution officials raised the first color-coded air quality flags that dozens of schools throughout the Southland will begin flying to help increase awareness of air quality conditions in their area. “Children are especially vulnerable to the harmful effects of air pollution and we have to do all we can to protect their health,” said Michael Antonovich, Los Angeles County Supervisor and AQMD Governing Board Member. “The school flag program is a simple way to alert school officials and students of the day’s air quality conditions so that when the air is bad, preventive measures can be taken.”

Selected schools across the Southland will participate in AQMD’s pilot Air Quality Flag Program. The two-year pilot program includes a series of brightly colored flags -- each representing a different air quality health category ranging from good to very unhealthy on the national air quality index (AQI) -- that will fly on school flagpoles to indicate the air quality conditions on that day. Teachers, students, parents and the community can then refer to the AQI to learn about the day’s air quality -- based on the flag color -- and what precautions, if any, they should take.

AQMD currently issues a daily smog forecast to all school districts in the Southland. School officials use this information to plan outdoor activities depending on the air quality conditions for that day. The flags will be raised based on the daily forecast.

For more information contact Jim Clouet at (909) 396-3208.

Special Board Meeting Conducted to Hear Concerns About Air Pollution

The South Coast Air Quality Management District Governing Board convened in Riverside to discuss air pollution issues and hear residents’ concerns and ideas regarding air pollution in the Riverside area. This is the second time the Governing Board has held their monthly meeting in an area impacted by air pollution, to hear community concerns and facilitate attendance by local residents.

On April 5, the Governing Board held an evening community reception at the Riverside Mission Inn in downtown Riverside. Residents had an opportunity to meet AQMD Governing Board members and view AQMD information showing how they can help clean the air. Residents who attended also had the opportunity to enter to win a zero-emission electric lawn mower.

On the following morning, April 6, the Board held the “Mobile Board Meeting” at the Riverside City Council Chambers, also in downtown Riverside. In an unusual turn of events, just as the Board was getting ready to go to closed session, a fire alarm sounded and the auditorium was evacuated. The alarm turned out to be false. However, to keep the meeting agenda on track public comment was taken on the steps outside of the Council chamber.

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

2007 Clean Air Award Nominations

The South Coast Air Quality Management District will host its 19th Annual Clean Air Awards on October 18, 2007, recognizing individuals and organizations for significant contributions to cleaner air in the Southland over the past year.

The AQMD invites interested parties to submit nominations of any individual, public and private entities, educational institutions, media organizations, and service organizations who have demonstrated acute awareness of the air quality problem in the South Coast Air Basin, and have taken some exemplary action to improve air quality. Nominations may be made by an individual or organization, and must be postmarked by Friday, June 22, 2007.

Nominations for Clean Air Awards are accepted in five categories: Advancement of Air Pollution Control Technology; Innovative Transportation Projects; Model Community Achievement; Public Education on Air Quality Issues; and Promotion of Good Environmental Stewardship. Special awards are also given for Leadership in government and to a medical professional.

The nomination form is available on the AQMD’s web site at www.aqmd.gov/news1/2007NominationForm.pdf. For more information, contact Lourdes Cordova Martinez at (909) 396-3214.
Update on Plug-in Hybrid Program

One of the more promising vehicle technologies being developed is the plug-in hybrid electric vehicle (PHEV). A PHEV is similar to commercially available hybrids but has a larger battery and is plugged in overnight to recharge. PHEVs can travel an equivalent of 20 to 30 miles using battery power with zero emissions. Early PHEVs are showing fuel economy values up to 100 miles per gallon.

AQMD has supported the plug-in hybrid technology since 2000 and is one of the leading public agencies working with all stakeholders to further their commercialization. The technology has great potential for significant air quality improvements along with improved energy diversity and reduced greenhouse gas emissions.

The AQMD Board has provided funding for development and demonstration of numerous plug-in hybrid projects and in March, it approved $2.6 million to develop and demonstrate an additional 30 plug-in hybrid electric vehicles using Ford Escape and Toyota Prius hybrids. Currently AQMD is funding several plug-in-hybrid technology demonstration projects including one to develop five Daimler Chrysler delivery vans and two utility boom trucks.

One year ago, the AQMD Governing Board directed staff to expand the plug-in hybrid program and accelerate the development and commercialization potential for this clean technology. As part of this accelerated planning process, staff is recommending in the 2007 AQMP the accelerated deployment of 100,000 plug-in hybrids by 2014 and up to 1,000,000 vehicles by 2020. Toyota, GM, Ford, and Nissan are pursuing research into the technology. GM and Ford both introduced concept vehicles at the Detroit Auto Show in December 2006 with plug-in capability, while Toyota announced in 2006 that it will develop a new plug-in hybrid.

For more information contact Matt Miyasato at (909) 396-3249.

Supreme Court Rules
the EPA has authority to regulate Greenhouse Gases, Mobile Sources

Overturning a 2005 ruling by the federal appeals court, the U.S. Supreme Court ruled in April that the Environmental Protection Agency has the authority to regulate heat-trapping “greenhouse” gases in automobile emissions, and that the agency could not decline to use its authority to regulate the gases that contribute to global warming unless it could provide a scientific basis for its refusal.

The EPA has maintained that it does not have the right to regulate carbon dioxide and other heat-trapping gases under the Clean Air Act. The EPA had held the position that the Clean Air Act did not authorize it to regulate greenhouse gases as they were not “air pollutants” under the law. The Court disagreed and determined greenhouse gases did fit within the Clean Air Act’s definition of air pollutants.

The ruling does not force the agency to regulate auto emissions, but further legal action could be possible if it fails to do so. Emissions from cars and trucks account for about one-fourth of the country’s total emissions of greenhouse gases.

Mobile sources, including everything from cars, trucks and SUVs to planes, trains and ships, are responsible for more than 80 percent of the Southland’s smog-forming emissions.

In January, AQMD’s Governing Board Chairman William Burke announced his 2007 Mobile Source Fair Share Initiative to speed up progress in meeting federally mandated clean air goals. A major element of the initiative includes seeking a requirement that the California Air Resources Board (ARB) and the US Environmental Protection Agency be legally obligated to adopt all feasible mobile source emission control measures within their authority to meet air quality standards.

For more information, contact Anupom Ganguli at (909) 396-3185.
The South Coast AQMD has announced a funding opportunity for heavy-duty on-road truck fleet modernization in the South Coast Air Basin under the Carl Moyer program. This program is designed to assist truck owners/operators to purchase Model Year 2006 diesel-fueled and Model Year 2004 and newer natural gas-fueled heavy-duty Class 7 and 8 trucks with gross vehicle weight rating of 26,001 pounds and greater in order to replace pre-1990 heavy-duty Class 7 and 8 diesel-fueled trucks. Applications will be accepted on a first-come first-served basis if all program requirements are met and until all funds are depleted.

Program Requirements
If a project qualifies under this program, the older pre-1990 truck must be destroyed. This program is open to both single owner/operators and fleet owner/operators. A maximum of five trucks per company will be funded. This program will fund up to 80% of the cost of the new replacement truck. An AQMD approved global positioning system (GPS) electronic monitoring unit (EMU) must be installed on all replacement trucks. AQMD will cover the cost of GPS-EMUs. If available, a California Air Resources Board verified diesel particulate filter must be installed in the tailpipe of each truck, for which AQMD will pay. The total cost of the newer truck, GPS-EMU systems, and particulate filter for each truck shall not exceed $150,000.

For more information, please contact Dipankar Sarkar at (909) 396-2273.

At its April meeting, the AQMD Governing Board approved $250,000 to help dry cleaners transition to non-toxic, non-polluting dry cleaning technologies. The Board also revised the incentive criteria to fund only professional wet cleaning technologies. To date, AQMD has committed $3 million to help dry cleaners transition to environmentally friendly technologies.

Under the original program and the extension approved in 2006, hydrocarbon and CO2 machines were also eligible for funding. At press time, hydrocarbon machines were not approved under the current program extension, and CO2 machines are being reviewed for possible inclusion.

The dry cleaning grant program originated in 2002, when the Governing Board approved $2 million in incentive grants to assist dry cleaners to transition to non-perchloroethylene alternative dry cleaning technologies. The program was extended in April, 2006, when an additional $1 million was approved to supplement the program due to the high level of interest in the original program. There are 533 cleaners that have received funding or have funding committed through the original phases of the dry cleaner grant program.

Currently, the program provides for the following funding:
• $10,000 for professional wet cleaning systems.
• Up to $5,000 for professional wet cleaning systems that have existing tensioning equipment that was installed before December 6, 2002, and require a new washer and dryer in order to complete the system; or do not require tensioning equipment because of their specialty operation.

For more information, contact Greg Ushijima at (909) 396-3301.
With the beginning of the ozone season, which officially extends from May 1 to October 31, the AQMD reminds residents to pay close attention to air pollution forecasts and adjust their activities as appropriate.

It is a good idea for everyone to be aware of air quality, especially parents, coaches, and daycare providers or anyone who supervises children or teenagers. Children are particularly at risk from smog because they breathe in more air in relation to their body weight and lung size, and they play outside more. AQMD advises avoiding vigorous outdoor activities, like running, soccer or football when unhealthful air quality conditions are forecast. AQMD issues unhealthy air quality notices when the 8-hour averaged ozone exceed 150 on the Air Quality Index (AQI) scale, or a concentration of 105 parts per billion (ppb). Air quality is unhealthy for sensitive groups when the 8-hour ozone concentration exceeds 100 AQI, which occurs at the federal standard concentration of 85 ppb. AQMD also issues an ozone health advisory when the one-hour ozone concentration reaches 150 ppb.

The major ingredient in Southern California’s smog is ozone, a colorless and pungent gas that damages lung cells and may be linked to permanent lung damage, and can contribute to chest pain, coughing, nose and throat irritation, and increased symptoms for those with asthma and bronchitis. Smog forecast information is available on AQMD’s web site at www.aqmd.gov/smog/CurrentAirQuality.html.

At its April 6, 2007 meeting, the AQMD Governing Board adopted a voluntary certification program, designed to raise the profile of ultra-low-polluting commercial cleaning products in the marketplace.

The Clean Air Choices Cleaner Certification program is intended to increase recognition and use of existing super-compliant products as well as to encourage manufacturers to develop additional qualifying formulations for products used by maintenance and janitorial workers at government and commercial office buildings, schools, retail stores and hotels.

To become certified, a product must meet environmentally preferable qualifications including a VOC limit of 10 grams per liter or less, which is more stringent than existing CARB requirements.

The new program is modeled after AQMD’s Clean Air Solvent Certification program established in 1996 for industrial cleaning solvents; currently, 73 companies and more than 140 products have achieved certification.

Commonly used household and janitorial cleaning products are a significant source of VOC emissions in Southern California, and contribute to the formation of both ozone and fine particulate. Such products include air fresheners, floor care products, all-purpose cleaners and degreasers, bathroom and tile cleaners, carpet and upholstery cleaners, glass cleaners, and metal polishes/cleaners.

In order for South Coast to meet the federal 8-hour ozone standard, VOC emissions must be reduced by an additional 50 percent, and the broader category of consumer products not only contributes a large part of the overall emissions, but also offers good potential to achieve significant VOC reductions through such positive programs.

The new program is the first step in a measure included in the Draft 2007 AQMP to reduce emissions from consumer products and could lead to future requirements for institutional and commercial cleaning products. For more information, contact Mike Morris at (909) 396-3282.

Smog Check Technology Forum
On March 21, 2007 AQMD hosted a forum to identify and discuss potential improvements and enhancements to the Smog Check Program to achieve additional emission reductions and better quantification and verification of Smog Check emission benefits.

Alternative Fuels & Vehicles
AQMD participated in the Alternative Fuels and Vehicles National Conference and Expo April 1-4 at the Anaheim Convention Center. A number of flex fuel, hybrid, natural gas and fuel cell vehicles were displayed.

Whittier and Compton Town Hall Meetings
On March 27, the AQMD hosted a Town Hall meeting in the City of Compton. The meeting was attended by 30 people. There were approximately 12 speakers who addressed AQMD. Many of the issues focused on compliance with air quality regulations, reporting air quality problems and air monitoring.

AQMD hosted a second Town Hall meeting on Tuesday, April 17, at the Los Nietos Community and Senior Center in Whittier, with over 25 people attending.

For more information, contact Lourdes Cordova Martinez at (909) 396-3214.
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 AQMD 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 AQMD rules and regulations can be downloaded from the Web site at www.aqmd.gov/rules/rules.html or provided by AQMD’s Public Information Center, (909) 396-2039.

**June**

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

Would add amendments as necessary to address significant releases from atmospheric pressure relief devices and to address new monitoring technology.

*For more information, contact Larry Bowen at (909) 396-2575 or lbowen@aqmd.gov.*

**Proposed Amended Rule 1470-Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines**

CARB is developing a measure to address diesel particulate from in-use diesel agricultural engines. Rule 1470 may be amended so that requirements can be consolidated.

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

**July**

**Proposed Amended Rule 1162-Polyester Resin Operations**

Amendments to require further VOC reductions from new or emerging technologies and other adjustments based on the availability of technology.

*For more information, contact Larry Bowen at (909) 396-2575 or lbowen@aqmd.gov.*

**Proposed Amended Rule 1175-Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products**

Would add an alternate compliance option to demonstrate equivalent emission reductions.

*For more information, contact Larry Bowen at (909) 396-2575 or lbowen@aqmd.gov.*

**Proposed Amended Rules 1401-New Source Review of Toxic Air Contaminants; 1402-Control of Toxic Air Contaminants from Existing Sources**

To be updated to add diesel particulate from internal combustion engines.

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

**Proposed Rule 1402.1-Control of Toxic Air Contaminants from Existing Sources Located Near Sensitive Receptors**

Would implement Strategy #14 from the AQMD’s Cumulative Impacts White Paper, including development of a concept paper and rule development.

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

**Proposed Amended Rule 1472-Risk Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines**

Will address the health risk from diesel particulate from existing stationary internal combustion engines.

*For more information, contact Susan Nakamura at (909) 396-3105 or snakamura@aqmd.gov.*
Meet the diversely talented people who work at the AQMD

Dean Hughbanks serves as Procurement Manager in AQMD’s Finance division, having joined the staff in January 2005.

Dean’s background includes experience in both the public and private sectors. Growing up in nearby Ontario, he saw his father Roger perform hometown duties as City Manager for 23 years, and he himself served a student internship with the County of Santa Barbara.

After earning a bachelor’s degree in political science from UC Santa Barbara and an MBA from UC Irvine, Dean started his career in procurement in the aerospace industry, serving 17 years managing various operations within Northrop Grumman.

“Managing the acquisition processes for satellite hardware,” he says, “or a clean-technology development contract here at AQMD -- both require good team work.”

Dean holds a Six Sigma Black Belt certification long valued by for-profit businesses, and his AQMD work team has implemented “data-driven decision-making,” by using performance metrics to monitor and streamline procurement processes and maintain high quality. “Given the starting point of an experienced, dedicated staff, we’ve shown that thoughtfully assessing our process cycles can help highlight opportunities for improvement,” he says. “It keeps us focused on our internal customers and the responsible use of public funds.”

Dean’s wife Vicki is a junior high school instructor who teaches home economics and practical Life Skills, and they will soon celebrate their 15th anniversary. Their children are son Zachary, 11, and daughter Hannah, 5, whose respective baseball and softball team activities keep the Chino Hills family busy on weekends.

“I was attracted to, and I now feel fortunate to be part of, an organization that can contribute to the health of kids and families in this region,” says Dean, “and my co-workers and I can be proud of playing a role in that.”

Arlene Farol was on her way to becoming an elementary school teacher, when the South Coast Air Quality Management District made her an offer she didn’t want to refuse. Arlene joined the AQMD as an Office Assistant in 2003, working in the Public Affairs Division. Her bubbly personality and can-do attitude made it an easy choice when she was offered the position as Secretary, working for the two Community Relations Managers in Public Affairs.

She stated “I love the opportunity to work the events, talk to the people who come to our booth, explain to them about the district. Many never even knew we existed. It feels great to explain what we do, and what they can do to help clean our air.”

However, an opportunity to transfer into the newest branch of the AQMD - the Mobile Source Division - is about to open up a whole new adventure for Arlene as she is about to transfer to this new unit of the AQMD.

Prior to coming to the AQMD, Arlene held several jobs, one being the Marketing Assistant in an Orange County website business. She holds a Bachelor of Arts in Mass Communications, Public Relations from Cal State Fullerton.

Arlene readily admits that she has a very tight-knit family. She is the oldest of three daughters. She also cherishes her extended Philippine family and friends at the AQMD. She recently traveled on a mission with a co-worker from the AQMD, and 20 of her church and family members to the Philippines to feed, clothe and minister to the spiritual needs of about 2000 people in Kananga, Leyte, Philippines. She said that trip really opened her eyes and heart. She loves singing, dancing, and has played in a band for several years. She says that it is church, family and friends that keep her grounded, yet her spirits lifted for the tough work of cleaning the air.
Briefly...

Rule Compliance Promotion Classes

Rule 1403-Asbestos Demolition/Renovation Activities
• June 13
The classes are held from 8:00 a.m. to 1:00 p.m. at AQMD headquarters. There is a $32.75 class fee. To register call (909) 396-2381 or send e-mail to jmoore@aqmd.gov.

Rule 2202-Employee Transportation Coordinator Training
• May 30, University of Southern California, Los Angeles
• June 13, AQMD Diamond Bar headquarters
• June 20, Location to be announced
Classes are held from 8:00 a.m. to 5:00 p.m. Registration fee is $59.73 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 403-Controlling Dust in the South Coast Air Basin
• Every third Wednesday of the month
This half-day class is held at the AQMD’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 461-Gasoline Transfer and Dispensing

Daily Self-Inspection
• June 22, 2007
• December 6, 2007
This is a one-day class. $50.00 fee.

Annual Periodic Inspection
• June 7 & 8
• November 29 & 30
This is a two-day class. $150.00 fee.

Tester Orientation
• June 15
• December 4
This is a one-day class. $100.00 fee.