

Cleaning the air
that we breathe...



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Ports Announce Action Plan to Reduce Air Pollution

Following a historic summit meeting convened by AQMD, the area's ports in Los Angeles and Long Beach released a joint San Pedro Bay Ports Clean Air Action Plan in June. The plan, developed in conjunction with the AQMD, U.S. EPA and CARB, is a comprehensive strategy to significantly reduce harmful emissions from port-related sources.

AQMD Chairman William Burke convened the summit in March with port commissioners and staff and AQMD staff to agree on action items for controlling emissions from the ports, which represent the single largest source of air pollution in Southern California.

The summit was one of the goals outlined in Burke's Clean Port Initiative announced in November 2005.

The Plan includes specific control measures focused on reducing diesel particulate matter, nitrogen oxides and sulfur oxides from port-related ships, trains, trucks, terminal equipment and harbor craft. Emission-reduction measures would be paid for by both the public and private sectors. Measures proposed will reduce particulate emissions by over 40 percent within five years and will also reduce significant amounts of nitrogen oxides and sulfur oxides.

Following a public comment period, both boards of port commissioners are expected to act on the plan in October.

AQMD plans to incorporate measures from both the port's Clean Air Action Plan and the State's Goods Movement Plan into its 2007 Air Quality Management Plan (AQMP). AQMD plans to release a draft AQMP later this year.

Collectively, the twin ports of Los Angeles and Long Beach are responsible for more than 100 tons per day of smog- and particulate-forming nitrogen oxides – more than the daily emissions from all 11 million cars in the region.

For more information, contact Peter Greenwald at (909) 396-2111.

New Clean Air Technology Tested at Roseville Rail Yard



As part of its on-going efforts to reduce the toxic emissions from train operations -- which produces adverse health impact on residents living in neighborhoods close to rail yards -- the AQMD is participating in an innovative technology project to capture and treat emissions from diesel train locomotives.

The new system, known as the Advanced Locomotive Emission Control System (ALECS), for the first time will apply technology used to capture emissions from industrial plants to near-stationary locomotives. The ALECS was unveiled on August 2 in Roseville, California as part of a project to demonstrate the system's effectiveness in improving air quality near rail yards.

ALECS is expected to reduce sulfur dioxide by 99 percent, particulate matter by 99 percent, nitrogen oxide by 95 percent and water-soluble volatile organic compounds by 50 percent from captured and treated locomotive emissions. All of these pollutants are significant contributors to poor air quality anywhere diesel engines are present.

The demonstration project took place at Union Pacific's 950-acre J.R. Davis Rail Yard in Roseville, which services more than 30,000 locomotives annually, making it the largest service and maintenance rail yard in the West.

A partnership of local, state and federal agencies, along with private business, funded and managed the \$1.75

million demonstration project. Other partners in addition to the AQMD include: Placer County Air Pollution Control District, Advanced Cleanup Technologies, Inc. (ACTI) – developer of the ALECS, Union Pacific Railroad, U.S. Environmental Protection Agency, Sacramento Metropolitan Air Quality Management District, the City of Roseville and the California Air Resources Board.

Following the Roseville demonstration project, the system will be reconfigured as an Advanced Maritime Emissions Control System (AMECS) at the Port of Long Beach to demonstrate its effectiveness in capturing and treating emissions from ships loading and unloading cargo in port.

The AQMD is interested in the ALECS and AMECS technologies because they may find application in the South Coast Air Basin at locomotive service facilities and at the ports.

The ALECS includes a stationary emissions treatment unit that is connected to diesel locomotives with flexible ducts and a hood designed to fit over and attach to the exhaust stacks. Diesel-related emissions are then captured and treated rather than being released into the air.

The Roseville demonstration included two different locomotive types and results will be captured in a final report expected in November 2006.

For more information, contact Mike Bogdanoff at (909) 396-3254.

Long Beach Councilwoman Joins AQMD Governing Board

Long Beach Councilwoman Tonia Reyes Uranga has joined the AQMD Governing Board. She will represent the 61 eastern cities of Los Angeles County that lie within the South Coast Air Basin.

Reyes Uranga has represented the Seventh District on the Long Beach City Council since 2002. She also serves as chair of both the Long Beach City Council's I-710 Oversight Committee and its Transportation and Infrastructure Committee. In addition, she serves on SCAG's Transportation and Goods Movement Committee and the County Sanitation Districts of Los Angeles County.

Prior to joining the AQMD Board, Reyes Uranga worked closely with AQMD to address health impacts of air pollution on her constituents. She hosted a community meeting on the topic and has supported AQMD efforts to reduce emissions from ports and railroads -- significant sources of air pollution in her city council district.

Reyes Uranga studied history at the University of California, Los Angeles and is a 40-year resident of Long Beach.

Natural Gas Vehicle Refueling Connection Now Required in New Chino Homes

The City of Chino has taken a major step toward helping to improve air quality in the region by adopting an ordinance which requires that all privately owned, newly constructed, residential garages in the city, have a refueling connection for Compressed Natural Gas (CNG) fueled cars as of July 1, 2006.

By adopting this ordinance, the City of Chino has provided a strong incentive for residents who purchase new homes to then install a CNG refueling appliance, and then acquire CNG vehicles. They will have the added benefits of being able to fuel their vehicles at home, and avoid the current high cost of gasoline.

CNG is a cleaner burning and less polluting fuel than is the gasoline currently used to power most automobiles. But CNG fueling stations are not currently as numerous as gasoline stations.

In December 2005 the Chino City Council adopted Ordinance No. 2005-17, Section 15.24.050, to require an appliance for new homes.

The city staff has already notified all developers and builders doing work in Chino that all new residential building permits issued will be required to comply with the new ordinance to install the home refueling appliance. More information on this ordinance can be obtained by contacting the City of Chino Building and Safety Department at (909) 591-9813.

The City of Chino's action is in-step with the commercial release of the world's first compact home refueling appliance (HRA) known as Phill. In April of 2005, FuelMaker Corporation of Toronto, Canada and American Honda began the sale and lease of Phill culminating a four-year research, development, marketing and testing effort, which included sponsorships from the California Air Resources Board, the Department of Energy (DOE), Technology Partners Canada, and the AQMD, for a total of \$1 million.

Phill is a compact, slow-fill, natural gas compressor which uses residential natural gas supply and standard residential electric circuitry (120 V, 15A). The appliance weighs 85 pounds, and is sized to residential building standard (e.g.



16 inch studs) and can be mounted either inside a garage or outside. Phill received certification as a home appliance by the internationally recognized testing laboratory Canadian Standards Association (CSA).

In April 2005, the AQMD and the Mobile Source Air Pollution Reduction Review Committee (MSRC) both approved buy-down incentives for the purchase and lease of 400 Phill units to residents in the AQMD jurisdiction amounting to \$2,000 per unit. For additional information on this product, visit, www.myphill.com.

For more information, contact Phil Barroca at (909) 396-2409.

Planning to Refuel Your Natural Gas Vehicle at Home?

Residents planning to install a home refueling device for compressed natural gas vehicles (NGV) will need to make sure that their gas meter is big enough to get the job done right. A meter that is too small to accommodate such an addition can result in the faulty operation of – and even harm to your NGV

refueling equipment.

To prevent such problems, call the Gas Company at 1-800-427-2200 to have a technician determine whether you'll need a larger meter installed. Meter upsizing is free, provided no other service alterations are necessary.

AQMD Hosts Landmark Meetings on Plug-in Electric Hybrid Vehicle Technology

Have you pulled your car up to the gas pump lately and been shocked by the high price of gasoline? As the pump clicks past \$20, \$30, \$40 or even \$50, maybe you thought about trading in your car for something that gets better mileage. Or maybe you're also worried that your car is contributing to global warming and the greenhouse effect?

Ever hear of a Plug-in Electric Hybrid Vehicle?

The gasoline-electric car is just what it sounds like – a cross between a gasoline powered car and an electric car. With a Plug-in Hybrid Electric Vehicle (PHEV) you can drive most of a typical day's mileage on clean, less expensive electricity, but still have an easily refillable fuel tank for longer trips.

The AQMD Governing Board in April approved an expanded technology and outreach plan for plug-ins. Since then the AQMD has held two important public meetings that focused on advancing the development and commercialization of the vehicles in order to help clean up the smog in the Southland.

June 22, 2006 – Special PHEV Briefing

The AQMD conducted a half-day informational briefing on Plug-in Hybrid Electric



Vehicles, which have the potential to increase fuel economy up to 100 miles per gallon. The briefing was sponsored by the AQMD and the Plug-in Partners National Campaign.

Plug-In Partners is a national grass-roots initiative to demonstrate to automakers that a market for PHEVs exists today. PHEVs have the potential for tremendous air quality and environmental benefits because they can be designed to travel 20 to 30 miles on battery power alone, with zero emissions, while doubling the fuel economy. In June, both Toyota Motor Corp. and GM announced plans to research plug-in hybrid technology.

During the briefing experts discussed the air quality, fuel economy and global warming benefits of plug-in hybrids as well as local and national efforts to commercialize the vehicles. Attendees were also able to view a plug-in hybrid prototype Sprinter Van by DaimlerChrysler, and participate in a ride-n-drive of two converted Toyota Priuses to PHEVs.

July 12, 2006 – PHEV Forum & Technical Roundtable

The AQMD convened a day-long Plug-in Hybrid Electric Vehicle Forum and Technical Roundtable that focused on the technical issues related to advanced batteries and their effect on the development and commercialization of the vehicles.

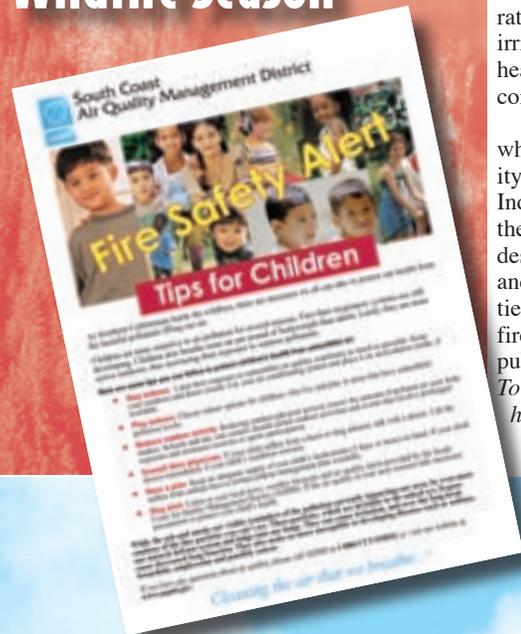
The objective of the meeting was to identify key expert perspectives on battery capabilities, requirements, and other issues specifically for application to plug-in hybrid electric vehicles and to highlight important or necessary research and development areas for near-term commercialization of plug-in hybrids.

Eight technical experts provided focused presentations on various aspects of PHEV battery issues, followed by a technical roundtable discussion. Public comment was also encouraged following the roundtable discussion.

Copies of the presentations from most of the speakers are available on the AQMD's Web Site at www.aqmd.gov, under Technical Forum/Roundtable Information. The meeting was webcast and can also be reviewed on the same web page.

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

AQMD Helps Protect Public Health During Wildfire Season



During numerous wildfires throughout the South Coast Air Basin this past summer, the AQMD has played an important role in protecting public health by forecasting air quality in smoke-impacted areas.

Wildfires can create unhealthy air quality conditions, forcing individuals to exercise caution and avoid unnecessary outdoor activities in smoke-impacted areas. The largest health threat comes from fine particles, which can get into the eyes and respiratory system where they can cause problems such as burning eyes, runny nose, throat irritation, coughing and difficulty breathing. Fine particles can also aggravate chronic heart and lung diseases and are even linked to premature deaths in people with these conditions.

The AQMD raises public awareness of these hazards through smoke advisories, which are released to the media and the public to alert residents to changing air quality conditions and to give them helpful tips. These advisories forecast the Air Quality Index (AQI) by sub-region and suggest ways that residents -- especially children, the elderly and those with health conditions -- can maintain good respiratory health despite the fires. AQMD also sends smoke advisories to recreation facilities, parks and all public school superintendents advising them to limit children's outdoor activities in affected areas due to smoke and ash from the wildfires. In addition, fact sheets, fire safety alerts and a smoke guide for public health officials are available to the public on the AQMD website.

To view tips on protection from smoke, visit www.aqmd.gov/pubinfo/factsheets.htm or www.aqmd.gov/news/1/2003/smoketipspr.html.

AQMD to Host International Asthma Conference

The AQMD will host a two-day conference, "Asthma is a Small World ... International Conference on Asthma Impacts of Air Pollution," on April 26-27, 2007 at the Disneyland Hotel in Anaheim. This event will bring together scientists, physicians, public health professionals, political and policy individuals and community members from many countries.

With the rising incidences of respiratory diseases as a result of poor air quality, the AQMD is taking a leadership position in accelerating policy and technology solutions to improve the conditions of the air that we breathe. Throughout the world, there has been an alarming increase in the incidences of asthma. Recent research indicates that air pollution causes permanent lung damage and irreversible lung scarring in children. Poor air quality also contributes to other health care consequences and global warming.

For more information, contact Patrician Price at (909) 396-2690, or e-mail her at pprice@aqmd.gov.



EPA Strengthens Rules for Dry Cleaners

In a move that mirrors the AQMD's Rule 1421 phasing out the use of perchloroethylene (perc) by drycleaners, the U.S. Environmental Protection Agency (EPA) is tightening rules for dry cleaners that use perc, including a phase-out of the chemical in dry cleaners located in residential buildings.

The agency found that a small number of dry cleaners located in residential buildings posed a risk warranting action. For residential buildings, the final rule requires the phase-out of perc machines as they wear out. By 2020, dry cleaning machines in residential buildings will be prohibited from using perc; they may continue to operate if they use alternative technologies. In the interim, owners of perc machines will use enhanced technology to detect and repair leaks as they occur. The final rule will also require dry cleaners to use more sophisticated methods to detect and repair leaks of perc emissions from large and commercial dry cleaners and small dry cleaners often found in shopping centers.

Under the Clean Air Act, perc is one of 187 pollutants EPA regulates as air toxics, also known as hazardous air pollutants. Since the implementation of EPA's 1993 air toxics standards, dry cleaners have reduced perc emissions by about 15,000 tons through increased use of alternative solvents, replacement of older dry-cleaning machines and state and industry programs to improve efficiency and reduce perc use. In the South Coast District, approximately 2,000 dry cleaners use perc.

To assist drycleaners in converting to alternative methods of cleaning clothes, the AQMD has grant funds ranging from \$5,000 to \$20,000 available, depending on the type of equipment, to assist in purchasing non-perc machines.

For more information, contact Greg Ushijima at (909) 396-3301.





From Left to Right

Kneeling: Stephanie Yeh, John Nguyen, Rebecca Trinn

Standing: Alireza Nazemi, Jamie Cruz, Steven Yurkas, Erin Stredwick, Frances Loreto (partially hidden), Alicia Olivares, James Liu, Jessie Conaway, Colette Chen, Adam Martinez, Michelle Mendoza, Danielle Soto, Erica Pena, Vivien Maltez, Yunnice Chan.

Not pictured: Christopher Chang, Otha Nevels, Jennifer Soto, Jessica Trinn, Courtney Watts

AQMD Welcomes Summer Interns

AQMD was happy to welcome this year's summer interns. This marks the seventh year that the AQMD Governing Board has sponsored interns from around Southern California. The class of 2006 includes 15 college students and 8 high school students. Most of the college interns attend local colleges and universities, such as UC Riverside, UCLA, and Cal State Fullerton, with several of the college-age interns attending out-of state institutions like Tuskegee University and Boston College.

The internship program is offered yearly and interested students need to send a cover letter expressing interest, their resume, and request for the area within the agency that would fit their educational experiences and career plans. Letters and resumes should be submitted by the end of February for consideration the following summer. Governing Board members then evaluate the students' needs with the needs of the agency.

Above are some of the students who participated in this year's program.

For more information, contact Dellena Floyd at (909) 396-3039.

Agricultural Operations and Solvent Cleaning Rules Amended by AQMD Board to Reduce Emissions

At its July 14 meeting, AQMD's Governing Board adopted amendments to Rule 219 – Equipment Not Requiring a Written Permit Pursuant to Regulation II, to require permits for small agricultural operations. These amendments require a written permit for new or modified internal combustion engines and gasoline storage and dispensing equipment used by small agricultural operations.

Because of the need to reduce emissions from agricultural operations, SB 700 was enacted into law on January 1, 2004. SB 700 authorized air districts to require written permits for large agricultural operations, and also for smaller operations provided certain findings are made at a public hearing.

To fulfill the permitting requirements of SB 700, AQMD amended Rule 219 in December 2004 to require written permits for large agricultural operations only. The July 2006 amendments will now require written permits for equipment operated by small agricultural operations.

Also in July, the Board adopted an amendment to Rule 1171 – Solvent Cleaning Operations. The amendment delays the compliance date for the use of low-VOC clean-up solvents used in lithographic/letterpress printing, screen printing and ultra-violet/electron beam inks by 18 months to January 1, 2008. This delay is necessary to allow further testing and industry transition to new cleaning materials.

The amendment raises the interim VOC limit from 500 grams per liter to 650 grams per liter for the clean up of UV/EB ink application equipment and for automatic roller and blanket cleaning materials for lithographic/letterpress printing until December 31, 2007. AQMD's Governing Board is scheduled this fall to consider whether to grant a compliance extension to newsprint operations.

For more information, contact Lee Lockie at (909) 396-2390.

Upcoming Events

2006 Clean Air Awards Luncheon

October 12

Millennium Biltmore Hotel
506 South Grand Avenue,
Los Angeles, CA, 90071

Each year, the AQMD recognizes companies, organizations and individuals who go above and beyond the call to help our region achieve clean air. Awards are given in the categories of advancement of air pollution control technology, innovative transportation projects, model community achievements, public education on air quality issues, and promotion of good environmental stewardship. Additional awards are given for leadership in government, and for outstanding contributions in the field of air pollution health research.

The deadline to reserve a seat at the 18th Annual Clean Air Awards is September 22, 2006. Tickets are \$35 each, or \$350 for a table of ten. To reserve your seat or table, call Geri Bowen at (909) 396-2778, or e-mail her at gbowen@aqmd.gov.

Southern California Clean Vehicle Technology Expo

October 10-11, 2006

Ontario Convention Center
2000 E. Convention Center Way
Ontario, CA 91765

This Expo hosted by the South Coast Air Quality Management District will bring together Southern California's fleet operators, alternative/clean fuel vehicle and infrastructure technology providers, funding agencies, and other industry experts to share information on alternative/clean fuel vehicle funding, policies and regulations with key fleet operators.

For sponsorship opportunities, agenda, and registration information, go to: www.cleanvehicleexpo.com, or call (310) 314-1934.

California Electricity and Air Quality Conference

October 3-4, 2006

Radisson Hotel
500 Leisure Lane,
Sacramento, CA 95815

California's lingering and pervasive air pollution coupled with the continual increases in the state's electricity demand positions the state in a conundrum of providing additional energy while not exacerbating the air quality of the region. So the California Energy Commission will hold the first California Electricity and Air Quality Conference, co-hosted by the California Resources Board, Bay Area Air Quality Management District and the South Coast Air Quality Management District. This two-day conference will help to bring public awareness to the current issues and activities underway in the area of improving air quality and its relation to energy production and use, while spurring innovative solutions towards a clean future.

For registration and other information, go to <http://or.ucr.edu/event/index.aspx>, or call (951) 827-7945.

Welcome to New AQMD Inspectors

The AQMD was excited to welcome a group of 19 newly-hired inspectors to the agency. After a grueling seven weeks of training including in-house instruction, smoke school, and completing California Air Resources Board's Fundamentals of Enforcement course, the class "graduated" to begin their career as AQMD inspectors. This outstanding group of new inspectors brings with them a variety of backgrounds, work experiences, and academic degrees including engineering, chemistry, physics, and environmental studies.

The group's first assignment was to look for un-permitted back-up generators while inspecting some retail outlet chains. Pat Hotra, Sr. Staff Specialist responsible for training the inspectors, stated that "as a result of these inspections, Lowe's and Home Depot stores are instituting new compliance programs and training for management staff in all their stores within AQMD's jurisdiction."

Below are members of the "Compliance Class of 2006", who are now working in their new field assignments.



Front Row: Nydia Ibarra, Laura Julius, Lyovit Usares, Chhai Chorn
Middle Row: Christine Yap, Wilson Wong, Michael Ramos, Freddie Gonzalez, Michael Dimaano
Back Row: Victor Juan, Kevin Orellana, Stan Koszelak, Vicente Godfrey, Cathryn Clements-Woodland, Jeffrey Lloyd, Jack Cheng, John Anderson, Chris Ravenstein
Not Appearing: Paul Macias

Five Southland Hydrogen Fueling Stations Now Operational



In June, the City of Santa Monica became the fifth city to open a municipal hydrogen fueling station paired with a fleet of hydrogen-powered Priuses to help hasten the day when its residents can drive virtually zero-emission vehicles.

The four other cities participating in the AQMD-sponsored project are Burbank, Riverside, Santa Ana and Ontario.

For the next five years, each city and the AQMD will operate the Toyota Priuses, which have been specially modified to burn gaseous hydrogen. The five stations are the first in the nation based at cities and focused on fueling internal combustion vehicle fleets. The stations also will be able to refuel fuel cell vehicles.

The Priuses are considered a near-term bridge to longer-term future technologies including fuel cell vehicles, which emit only water vapor. The converted Priuses meet the State of California's strict Super Ultra Low Emission Vehicle standard for smog-forming nitrogen oxides, and unlike their gasoline-fueled counterparts, they have no carbon monoxide, carbon dioxide or hydrocarbon emissions.

The program is aimed at stimulating demand for hydrogen fueling, accelerating the expansion of the region's hydrogen fueling network, and educating the public on hydrogen-fueled vehicles.

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

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 website 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 website at www.aqmd.gov/rules/rules.html or provided by AQMD's Public Information Center, (909) 396-2039.

October

Proposed Rule 410-Odor Abatement for Solid Waste Transfer Stations and Processing Facilities

Would require large solid waste transfer stations and material recycling facilities to implement odor management practices to minimize odors from their operations.

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

November

Proposed Rule 1130.2-Inkjet Printing Operations

Would establish VOC limits and other requirements for inkjet printing operations.

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

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

Proposes to lower the NOx emission limits for boilers, steam generators and process heaters greater than 5mm btu/hr, subject to AQMD Rule 1146.

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

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

Amendments, as necessary, to address significant releases from atmospheric pressure relief devices.

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

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

Amendments would reflect the recently approved state ATCM amendments.

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

Proposed Amended Rule 1403-Asbestos Emissions from Demolition/Renovation Activities

Would clarify rule requirements including definition of terms, rule applicability, procedural requirements, handling requirements, and notification; to include the facility survey, removal procedures, on-site storage, documentation, emergency notification and others as needed.

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

Recent Events

Bike to Work Day

The AQMD participated in Bike to Work Day on May 18, 2006 as part of the 13th Annual California Bike Commute Week to promote an alternative to solo-commuting that reduces vehicle congestion and air pollution. To prepare for the event, the LA County Bicycle Coalition hosted a bicycle safety workshop in the cafeteria. Participation increased from nine riders last year to 15 this year. In addition, Metrolink and other participating agencies offered free transit rides for cyclists who biked to work during that week.



Town Hall Meeting in Beaumont

On July 27, AQMD held a Town Hall meeting in the City of Beaumont. The meeting was attended by over 40 people, including AQMD Governing Board members Roy Wilson and Jane Carney, and Beaumont Mayor Jeff Fox. AQMD staff presented an overview on local air quality and City of Beaumont staff also provided a summary of key local issues. Many attendees focused their comments on dust and air quality concerns from local growth and congestion, and the need for dissemination of information to area residents on AQMD's dust control rules and compliance requirements, especially as they relate to odors from waste treatment and sewer lines.

Clean Air PEOPLE

Meet the diversely talented people who work at the AQMD



AQMD Advisor

Dave Schwien

Dave Schwien, senior air quality engineering manager, was born in Las Vegas and spent six years of his childhood in Trona, CA, home to dry lake mining operations for borax, potash, and sodium bicarbonate. Like his dad before him, Dave figured a chemical engineering career was a good bet. Luckily for air pollution control progress in Southern California, Dave turned out to be a good bet himself.

Dave joined AQMD's predecessor agency, the Los Angeles Air Pollution Control District, in May 1972 as an inspector in the Compton/Lynwood area. Previously, he'd earned his bachelor's degree in chemical engineering from USC and worked for a private firm in

Santa Fe Springs which processed and produced organic chemicals for such uses as industrial lubricants. He'd also married his wife Donna, in November 1969.

Over the years, he has overseen control of emissions in categories ranging from architectural coatings to refinery processes.

"When I started out here, our Rules and Regulations book was more the size of a slim trade-paperback, compared to today's three large binders-full," he says.

"Year after year, this effort continues to hold my attention," he smiles. "There's a self-training element where my experience can be a good starting point for continuing to learn

about new processes and technologies."

"For example, every industry has their own jargon, and I need to translate that into a common language so we can solve issues together with our permit-holders."

"There are tedious aspects even in a great job," he notes, "but when you can see what's actually being accomplished towards cleaner air quality, how much better does it get?"

Dave and his wife are looking forward to his retirement sometime next year. After that, Dave plans to concentrate on some serious fishing, both fresh and saltwater. "And some trips to Vegas for blackjack, too," he adds.

"I live to vacation," is what the human resources analyst replies when asked what he does in his free time. Bryan came to the AQMD in January 1989 after working for the City of Sunnyvale and the County of Riverside. He made the move for the better working conditions and better pay after a friend notified him of an opening, and comments, "It's a good place to work."



Bryan Bradford

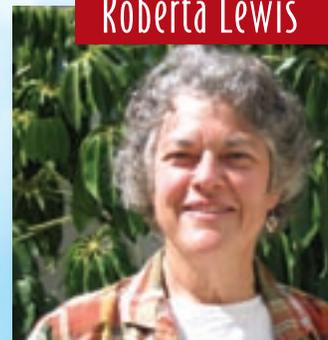
Bryan has lived in Riverside since 1977 where he attended UC Riverside and earned a Bachelor of Arts in Sociology and now teaches part-time for the UCR Extension program. He also holds a MPA from CSU San Bernardino and Senior Professional in Human Resources certification, which is similar to the CPA certification.

Bryan contributes to cleaning up the air and helping the District in its mission by "insuring that we get the best qualified people in a timely manner for the technical jobs we have to fill." He recruits employees by posting employment opportunities at environmental and engineering association websites, job websites, and AQMD's own website; writing "Dear Colleague" letters and putting ads in print media. He also reviews applications, coordinates job interviews and writes interview and other test questions.

Bryan has been married for 12 years to Shunna, who is a special education teacher in Moreno Valley. They have an eight-year-old son, Bryson, who is in Cub Scouts and Bryan is an Assistant Cub Scout Leader.

Between working and teaching, Bryan makes sure to go on ocean cruises in his free time. He has been on about 40 cruises to most of the Caribbean islands, Mexico, Alaska, the Panama Canal, Israel, England, France and Canada among other places. He also has two timeshares he trades to visit different areas of the world. He enjoys live theater, be it plays or musicals, performed by professional or local companies. His favorite productions are "Phantom of the Opera" and "Les Miserables."

After working for 6 years on one meteorological study, Roberta Lewis decided it was time for a change and in 1990 came to the AQMD. Roberta started out as an Air Quality Specialist working on the 1991 Air Quality Management Plan. In the 1990s, she developed the AQMD's visibility monitoring program. She has also worked for the Technology Implementation Section as well as for the Director of Information Management.



Roberta Lewis

Now she is the Systems and Programming Supervisor in Information Management, working on special projects and web administration.

Roberta holds a Bachelor of Arts in Mathematics and a Master of Science in Meteorology, both from UCLA. Before working for AQMD, she worked for 13 years in environmental consulting in Thousand Oaks and Monrovia.

"I like working at the AQMD because there is the opportunity to do a lot of different, interesting and new things, especially new technology that Information Management gets to test out," Roberta said. "And the people here are great. It's full of characters, like a Dickens' novel."

Roberta's affinity for Charles Dickens is not just metaphorical. Every year for the past 20 years, she has been attending a one-week scholarly conference on the author and his works held at UC Santa Cruz the first week of August. She describes it as an experience in "Victorian culture immersion," complete with afternoon tea times.

In 2004, Roberta married Richard Wamboldt, whose family company, Foothill Glass, did the glasswork and metal framing for all the doors and windows of the AQMD building in Diamond Bar. Wamboldt's sister, Connie, was the owner and project manager at that time. Living in Sierra Madre, they enjoy wine tasting, gardening, movies and theater, but they are mostly homebodies. Roberta particularly enjoys traveling all over the country by train because "it's all in the journey."



South Coast
Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4182

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Permit No. 95

Briefly...

Rule Compliance Promotion Classes

Rule 1403-Asbestos Demolition/Renovation Activities

- September 20
- October 11
- November 15

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 e-mail jmoore@aqmd.gov.*

Rule 2202-Employee Transportation Coordinator Training

- September 27, AQMD headquarters, Diamond Bar
 - October 12, AQMD headquarters, Diamond Bar
 - October 26, Santa Monica Place Mall, Santa Monica
 - November 5, OCTA, Orange
- Classes are held from 8:00 a.m. to 5:00 p.m. Registration fee is \$57.63 per person. Enrollment

is limited to 20 students and classes will be filled on a first-come, first-served basis. *To register, call Paulette Henson phenson@aqmd.gov at (909) 396-3374 or Lilia Miranda at (909) 396-2059, or e-mail lmiranda@aqmd.gov.*

Rule 403-Controlling Dust in the South Coast Air Basin

- September 13
- October 18
- November 15

This half-day class is held at the AQMD 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 will be 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. *To register, call 1-866-861-DUST (3878), or email dustcontrol@aqmd.gov.*

RULE 461-Gasoline Transfer and Dispensing

Pre-registration is required for the following classes. Classes will be held at AQMD's Diamond Bar headquarters from 8:30 to 5:00 p.m., with check-in beginning at 8:00 a.m. *To register, call (909) 396-3058.*

Annual Periodic Inspection

- November 16 & 17
This is a two-day class.
\$150.00 fee.

Daily Self Inspection

- November 2
This is a one-day class.
\$50.00 fee.

Tester Orientation

- November 9
This is a one-day class.
\$100.00 fee.

AQMD Advisor

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