

Cleaning the air  
that we breathe...



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## Court Ruling Upholds Clean Fleet Rules

In a major victory for Southland air quality, U.S. District Court Judge Florence-Marie Cooper issued an opinion on May 6, 2005, denying the motion filed by the Engine Manufacturers Association (EMA) and Western States Petroleum Association seeking to invalidate all applications of the AQMD's seven Clean Fleet Rules.

"This lifts a legal cloud cast by the U.S. Supreme Court over a large portion of our Fleet Rules," said Dr. William A. Burke, AQMD Governing Board Chairman. "We can now continue to implement our Fleet Rules, which are essential to our strategy for reducing both smog-forming and toxic emissions in the Southland."

The Natural Resources Defense Council (NRDC) along with the environmental organizations Coalition for Clean Air, Communities for a Better Environment, Planning and Conservation League and the Sierra Club were AQMD's co-defendants in the lawsuit.

In her ruling, Judge Cooper stated that in requiring state and local govern-

ment fleet operators to purchase the cleanest available vehicles, AQMD was acting as a market participant, not a regulator.

In August 2000, following the AQMD's adoption of the first six Fleet Rules, the EMA filed suit in federal District Court, claiming the rules were preempted under the federal Clean Air Act (CAA).

AQMD argued that its Fleet Rules did not set emission standards for new vehicles or engines, but rather placed purchase requirements on fleet operators requiring them to buy the cleanest vehicles commercially available.

Judge Cooper agreed, and ruled against the EMA in August 2001. The association appealed to the U.S. Supreme Court, which agreed to hear the case. In April 2004, the Supreme Court reversed the lower court decision and remanded the case to Judge Cooper's court to consider several issues.

Judge Cooper ruled that the Fleet Rules, at least as applied to state and local governments, are valid procure-

ment requirements, not within the scope of preemption under the CAA.

AQMD's Governing Board adopted its Fleet Rules in 2000 and 2001 following the landmark MATES-II study, which revealed that about 70 percent of the total cancer risk from air pollution was due to diesel exhaust. The seven Fleet Rules target primarily diesel-powered vehicles, including transit buses, school buses, trash trucks, airport shuttles and taxis, street sweepers and heavy-duty utility trucks.

The rules generally require fleet operators to buy clean-fueled models when they replace vehicles or add to their fleets of 15 or more vehicles. As a result of the rules, more than 5,500 clean-burning heavy-duty vehicles, powered by natural gas and other clean fuels, have been added to the region's fleets.

*For more information, contact Kurt Wiese, (909) 396-3460.*



**The AQMD Governing Board, Board Committees, and Board Advisory Groups are not meeting in August.**

## Incentives Offered To Refuel Natural Gas Vehicles At Home

In May, the AQMD Board approved \$400,000 in incentives to help consumers purchase or lease a new natural gas home refueling appliance.

"Natural gas vehicles are one of the cleanest options available today," said Barry Wallerstein, AQMD executive officer. "We believe the convenience of home refueling will make driving a natural gas vehicle a lot more appealing to consumers."

AQMD's incentive will match funding recently approved by the Mobile Source Air Pollution Reduction Review Committee (MSRC).

The refueling appliance – developed by FuelMaker Corp. of Toronto and marketed under the name "Phill" – is expected to cost about \$3,500. Incentive funding offered by AQMD and the MSRC will total \$2,000 per unit, lowering the cost of each unit to \$1,500 for the consumer. Installation costs are an additional \$1,000 to \$2,000.

The refueling unit is a small, compact gas compressor capable of providing convenient overnight home refueling for compressed natural gas (CNG) vehicles. The appliance is safe and lightweight and is available for purchase through FuelMaker and for lease through American Honda.

Driving a CNG vehicle can cut fuel costs in half. On average, fueling a CNG passenger vehicle will cost about 4 cents per mile compared with 8 cents per mile for a similar gasoline vehicle.

For information on how to purchase the home refueling appliance, consumers can contact FuelMaker at 1-866-MY-PHILL or [www.myphill.com](http://www.myphill.com). To lease the home refueling appliance, consumers can visit a Honda dealership in the four-county area.

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



## Environmentalists Tour AQMD Clean Fuels Technology Center

**O**n June 14, a group of community and environmental leaders gathered at AQMD's Headquarters to learn about AQMD's hydrogen and alternative energy programs. After a series of brief presentations on air quality and clean air technology programs, the attendees toured the AQMD clean fuel facilities which included:

- A visit to the solar powered electric vehicle charging station, which once supported the electric vehicle program. With the transition to other types of clean-fueled vehicles, AQMD is upgrading the solar panel project to provide clean power to the building power grid;
- The AQMD's compressed natural gas (CNG) vehicle refueling station that fuels the District's fleet of 200 natural gas vehicles. The station also is open to the public Tuesdays through Fridays, from 8 a.m. to 5 p.m.;
- AQMD's four microturbine power generators, which provide clean electrical power for the Diamond Bar facility; and
- The agency's hydrogen generation and refueling station, which is one of the first stations along California's Hydrogen Highway. AQMD staff demonstrated how to fuel a hydrogen powered vehicle and explained how the clean fuel is produced at the station.

At the end of the tour, attendees were offered an opportunity to drive or ride in one of AQMD's fleet of demonstration vehicles. The fleet includes hydrogen fuel cell, natural gas, electric-powered and hybrid vehicles.

Groups wanting to visit AQMD's headquarters and learn about its clean fuels technology projects can arrange a tour by calling Ron Ketcham at (909) 396-3213.

# 2004 IS CLEANEST YEAR ON RECORD FOR PARTICULATE POLLUTION

**T**hanks in part to cooler weather and an early start to the rainy season, the region has experienced the cleanest year on record for particulate air quality since monitoring began in 1987.

"Particulate pollution is shaping up as our most serious air pollutant, responsible for a wide range of adverse health effects from increased hospital admissions to increased premature deaths," said Barry Wallerstein, AQMD executive officer.

"While we are encouraged by the improving trend, we will need significant additional controls and programs to meet federal health-based particulate standards, particularly for fine particulates known as PM<sub>2.5</sub>."

Last year, annual average levels for particulate matter PM<sub>10</sub> and PM<sub>2.5</sub> were the lowest since monitoring began for PM<sub>10</sub> in 1987 and PM<sub>2.5</sub> in 1999. Even so, the region continues to exceed the U.S. Environmental Protection Agency's health standard for both PM<sub>10</sub> and PM<sub>2.5</sub>. (See above charts.)

Last year also was the cleanest on record for ozone, the region's other serious pollutant. That was also due in part to unseasonably cool weather and weak atmospheric inversions that help trap smog.

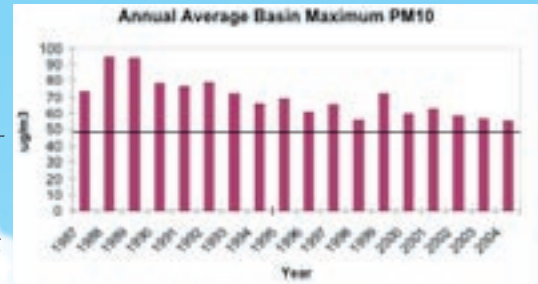
Last year, the PM<sub>10</sub> annual average health standard of 50 micrograms per cubic meter (µg/m<sup>3</sup>) was exceeded at just one monitoring site – Rubidoux in Riverside County – which registered 55.4 µg/m<sup>3</sup>. AQMD conducts regular monitoring for PM<sub>10</sub> and PM<sub>2.5</sub> at approximately 20 stations throughout its four-county jurisdiction.

AQMD will conduct a study this year in Rubidoux to identify any additional local or county measures that can be implemented to help reduce PM<sub>10</sub> in the area.

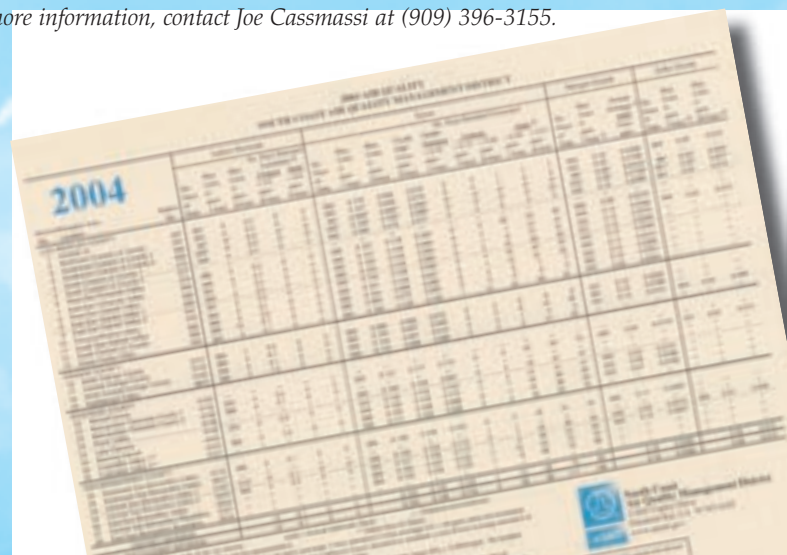
Particulate air quality trends indicate the region will approach the federal PM<sub>10</sub> standard for 2006 but will not achieve it without further emission controls. Additional emission reductions are expected through implementation of current and proposed rules.

PM<sub>10</sub> and PM<sub>2.5</sub> particles come from a variety of mobile and industrial sources.

For more information, contact Joe Cassmassi at (909) 396-3155.



Bold horizontal lines indicate US EPA health standards.






# Governing Board Approves Plug-In Hybrid Projects

**A**t its May 2005 meeting, AQMD's Governing Board awarded three co-sponsorship contracts to demonstrate and advance plug-in hybrid-electric vehicle (PHEV) technology in commuter vans and passenger cars.

PHEVs represent the next technical step in electric vehicle technology by offering fuel flexibility (gasoline refueling or electrical recharging) and the opportunity for more zero-emission miles and lower fuel costs. They can recharge from the power grid, use battery energy for delivery- or commute-type trips, and also refuel with gasoline or alternative fuel for long distance trips. Project details are as follows:

## May 2005 Project Awards for Plug-In Hybrid Electric Vehicles (PHEVs)

Project Goal	Total Project Cost and Scope	AQMD Portion	To Date, Project Partners Include
	<p>Southern California road demonstration of five pre-commercial PHEV Dodge Sprinter vans to build the business case for PHEVs in real-world fleet use.</p> <p>\$12 million nationally, to build 30 vans.</p> <p>Six or more fleets in U.S. &amp; additional fleet operators may also be identified in Canada, Europe, and possibly Asia.</p>	\$933,050	<ul style="list-style-type: none"> <li>• Electric Power Research Institute (EPRI)</li> <li>• DaimlerChrysler</li> <li>• Southern California Edison</li> </ul>
	<p>Upgrade of PHEV sedan to lithium polymer batteries to demonstrate increased zero emission range, reduced weight, and longer battery life as well as vehicle-to-grid power generation.</p>	\$53,000	<p>\$25,300</p> <ul style="list-style-type: none"> <li>• AC Propulsion</li> <li>• Volkswagen</li> <li>• CARB</li> </ul>
	<p>Convert a light-duty HEV Toyota Prius to a PHEV with lithium ion battery to demonstrate improved mileage, additional zero emission range; project will enable pure electric mode and potentially double fuel economy</p>	\$539,000	<p>\$159,000</p> <ul style="list-style-type: none"> <li>• EnergyCS</li> <li>• CalCars</li> <li>• Clean-Tech</li> <li>• SoCal Edison</li> <li>• Valence Batteries</li> <li>• City of Santa Monica</li> <li>• EVO Transportation Corp.</li> <li>• CARB</li> </ul>

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

**D**o you need help filling out an application for a permit or assistance to get a variance? Do you need information on financing pollution control equipment? Or, maybe you need clarification of a specific rule. AQMD's Small Business Assistance staff is ready and willing to help businesses comply with AQMD rules and regulations. Small Business Assistance staff provide the following services:

### Permit Application Assistance

Staff will provide line-by-line help in completing applications for permits either at AQMD headquarters or at the business site. (AQMD will reduce the application fees by 50% for businesses with ten or fewer employees and annual receipts of \$500,000 or less.)

### Loan Assistance for Pollution Control Equipment

Staff will help businesses with 500 or fewer employees qualify for state guaranteed bank loans using California Capital Access Program (CalCAP). Staff will also help businesses with marginal credit to acquire loans. In those cases, District will pay borrower's fee of 2% to 3.5% of loan value.

### Free On-Site Consultations

AQMD offers free on-site consultations to businesses with 100 or fewer employees or annual receipts less than \$5 million if the business agrees to correct deficiencies promptly. During the consultation, staff ensures that the business owner/operator understands rules, has the necessary permits, is using compliant paints, solvents, etc., and completes records correctly.

### Variance Application Assistance

Staff can help prepare variance applications for temporary help with rule deadlines and help explain the hearing board process. For businesses with ten or fewer employees and annual receipts of \$500,000 or less, the application fee is reduced by 80%.

### Notification of Upcoming Rules/Deadlines

AQMD will mail to owner/operators notices of workshops and hearings on rules that may affect their business. Workshop and hearing notices are also placed on AQMD's web site ([www.aqmd.gov/meetings](http://www.aqmd.gov/meetings) and agendas). AQMD also alerts businesses of important rule deadlines with which they must comply.

### Fee Review Committee

Businesses can request to meet with AQMD's Fee Review Committee to resolve fee and billing disputes. The Committee can allow a payment plan for financially-strapped businesses. However, the Committee cannot change or alter AQMD rules or policies.

## Small Business Assistance Program

For more information on the Small Business Assistance Program, contact Paul Yang at (909) 396-2899.

# Recent and Forthcoming Events

**D**uring the months of May and June, AQMD participated in more than 15 different environmental and/or health-themed workshops, community meetings, conferences, fairs and festivals. Staff distributed air quality literature and giveaways to residents attending events held in the cities of Palm Springs, Pacoima, Hawthorne, Los Angeles, Riverside, Van Nuys, Santa Monica, Tustin, Pico Rivera, Fontana, Santa Ana, Irwindale and Pomona. During the events, AQMD staff members gave presentations, performed air quality demonstrations, gave children an opportunity to draw "a world with clean air," and invited residents to join the Clean Air Congress.

In May, AQMD was pleased to sponsor and participate in a World Asthma Day health fair hosted by the Asthma and Allergy Foundation Association (AAFA). Grammy Award winning artist Coolio and Olympic gold medalist Natasha Watley were on hand to entertain the crowd and discuss how they live with asthma. Participants also received information on asthma management and air quality. They also took advantage of the free asthma screenings provided by AAFA's Breathmobile®.

In the coming months, AQMD will partner with cities, an interfaith group and a local college to hold town hall meetings. On August 30, AQMD, the City of Santa Clarita, and College of the Canyons, will hold a town hall meeting at the Vital Express Center for the Performing Arts in Santa Clarita. The meeting will begin at 6:30 p.m. AQMD also has plans to hold town hall meetings in the cities of Duarte and Long Beach.

During these town hall meetings, local residents will hear presentations on current air quality conditions in their communities and have the opportunity to express their concerns about the air that they breathe.

*For more information on these and other events, contact Lisha Smith at (909) 396-3203.*

## SUMMER CONCERTS RETURN TO THE AQMD CLEAN AIR STAGE AT SANTA MONICA PIER

**A**QMD will return to the Santa Monica Pier for the fourth straight summer as one of the primary sponsors of the Twilight Dance Series on the Pier. Beginning June 30, bands from reggae to Tex-Mex to blues will perform 10 free concerts on the Clean Air Stage. During the course of the summer, AQMD will help educate an estimated 100,000 concertgoers on how to do their share for cleaner air and will showcase the AQMD's new, colorfully wrapped Clean Air Choice hybrid vehicles.

Concerts at the Santa Monica Pier start at 7:30 p.m. each Thursday from June 30 through September 1. The concert lineup includes:

- June 30th – Reggae for All featuring Easy Star All-Stars with Detour Posse
- July 7 – Tex-Mex Mix featuring Little Joe y la Familia with Cannibal and the Headhunters
- July 14– Putumayo presents Mali featuring Tinariwen and Ramatou Diakite
- July 21 – Legendary Blues featuring Chicago Blues Reunion featuring Barry Goldberg, Nick Graventes, Harvey Mandel, Tracy Nelson, Sam Lay, Corky Siegel and more
- July 28 – Singer/Songwriters Suzanne Vega and Marc Cohn
- August 4 – The Alternative Neil Diamond Experience featuring Super Diamond with It's a Beautiful Day
- August 11 – Cutting Edge Latin Music featuring Latin Alternative Music Conference with Plastilina Mosh and Nortec Collective
- August 18 – 70<sup>th</sup> Anniversary of Swing with Gordon Goodwin's Big Phat Band featuring Eddie Daniels
- August 25 – New Orleans Dance Party featuring Buckwheat Zydeco with Kermit Ruffins, and the Barbeque Singers with Topsy Chapman
- September 1 – Pop-Punk Extravaganza featuring Shonen Knife and The Knack

## Successful Exchange Program Continues to Mow Down Pollution

**T**he popularity of AQMD's Lawn Mower Exchange program once again proves that the residents of the four-county wide District are concerned about the air they breathe, and they know a good deal when they see it!

For the third year in a row, the AQMD conducted a series of lawn mower exchange events, giving residents of the South Coast air basin opportunities to exchange their operable gas-line-powered lawn mowers (and \$100) for a zero emission cordless Neuton (rechargeable) battery-powered lawn mower that retails for \$399. This year, AQMD exchanged 4,000 mowers at 10 separate events. The program was funded by the Rule 2202-Air Quality Investment Program. These exchanges have helped

mitigate a substantial amount of pollutants.

This year, participants pre-registered either online or by telephone, picking their site and half-hour time slot for the exchange. This helped eliminate the long lines, the early hours, and the guesswork of how many would show up for each event.

An added bonus of having the Neuton battery-powered lawnmower is the quietness of this machine. Owners of these lawn mowers help clean the air while they quietly mow their lawns.

*For more information on the program, contact Larry Kolczak at (909) 396-3215*

The Clean Air Choice program helps new car buyers easily identify vehicles that emit less smog-forming emissions than the average new car available today. More information is available at [www.cleanairchoices.org](http://www.cleanairchoices.org).

*For more information, contact Sam Atwood at (909) 396-3456.*

# Rulemaking Initiated to Strengthen Risk Requirements Near Existing School Sites

**A**t the close of a pre-hearing held at its May meeting, the AQMD Governing Board directed staff to proceed with the rulemaking process for Proposed Rule 1401.1 – Requirements for New and Relocated Facilities Near Schools.

The proposed rule would establish more stringent risk requirements only for those new or relocated facilities siting near existing schools which may pose a significant risk from exposure to air toxics.

The rulemaking effort stems from a September 2003 White Paper approved by the Governing Board, which laid out potential control strategies beyond existing AQMD regulations, to address cumulative impacts from air pollution.

At the pre-hearing, AQMD executive officer Dr. Barry Wallerstein presented numerous undesirable siting situations (such as those shown below) such as service stations or metal platers operating near school grounds.

When parents and community representatives raise concerns about the proximity of a school to a nearby business which may be in compliance with existing regulations, extensive staff time and resources can be expended to respond to the complaints, including source testing, localized air monitoring, and data analysis.

By offering proactive rather than remedial tools to protect schools, the proposed rule would also provide businesses with greater certainty before making investment and leasing decisions.

The Proposed Rule 1401.1 rulemaking effort will involve all stakeholders in a full public process. The rule's public hearing is tentatively set for September 2005.

*For more information, contact Elaine Chang at (909) 396-3186.*



## AQMD & KABC Radio Partner to Display Clean Air Cars

**O**n May 15, the AQMD and KABC Radio co-hosted the First Annual Clean Air Car Showcase at the Santa Monica Third Street Promenade. Automobile manufacturers displayed a variety of new Clean Air Choice vehicles. About 150 participants took advantage of the opportunity to test drive models made available by Ford, Toyota and Honda.

KABC Radio Personality Leon Kaplan promoted the event on his show ENVIRONMinutes, which discusses cutting edge technologies and their application in "real world" situations. AQMD displayed its wrapped hybrid cars and SUV to draw attention to the fact that these vehicles help clean the air that we breathe. AQMD staff members answered technical questions about the low-polluting, cost-saving vehicles and air quality concerns, and used dry ice experiments to show how smog is formed.

*For more information, contact Sam Atwood at (909) 396-3456.*

## CNG School Bus Loaner Program

**A**t its May meeting, the AQMD Governing Board approved a contract with A-Z Bus Sales, Inc. of Colton, CA to initiate a demonstration/loaner program for a Type D, 84-passenger compressed natural gas (CNG) school bus and a Type A special education CNG school bus. A-Z Bus Sales will include a comprehensive outreach package to address typical operator questions about fueling, system training, and operation of CNG school buses to assist in successful transition to cleaner, low-emission CNG technology.

A 30- to 45-day test-drive loaner program will allow fleet operators to gain "hands-on" familiarity with a fully equipped alternative fuel school bus on local routes, meeting operational needs. A-Z Bus Sales will maintain the school buses, perform repairs, and provide user training, while participating school districts will provide insurance and fuel.

As many as seven to thirteen school districts or school transportation providers would be able to use the loaner school buses during a calendar year. The loaner program is one of a range of AQMD Governing Board initiatives intended to help accelerate the turnover of older diesel school buses to cleaner alternatives and advanced technologies.

Exhaust emissions from high-emitting older school buses are harmful to children, and represent a significant source of public exposure to air toxics, fine particulate matter, and smog-forming pollutants. Solutions include cleaner alternative fuels such as CNG, particulate traps and catalyst emission controls, and other advanced technology engines.

*For more information, contact Von Loveland at (909) 396-3063.*

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

## July



### Rule 1162 – Polyester Resin Operations

This proposed amendment will delete some requirements for gel coats and offer a limited exemption on pin-stripping.

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

## There is no Governing Board meeting in August

## September



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

This proposed amendment will address VOC limits for several coating categories.

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



### Rule 1118 – Emissions from Refinery Flares

This proposed amendment will seek to control emissions from the operation of refinery flares.

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



### Rule 1156 – PM10 Emissions Reductions from Cement Manufacturing Operations

This proposed rule will implement a portion of Control Measure BCM-08 of the 2003 AQMP and specify requirements to further reduce particulate emissions from cement manufacturing facilities. Sources of particulate matter to be further controlled include: rock crushers; screens; raw and finish mills; kilns; clinker coolers; loading and unloading activities; material storage, including open storage piles; and vehicular traffic on internal roadways.

For more information, contact Lee Lockie at [llockie@aqmd.gov](mailto:llockie@aqmd.gov) or (909) 396-2390.



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

### Rule 1121 – Control of Nitrogen Oxides from Residential Type, Natural Gas-Fired Water Heaters

This proposed amendment would lower emission limits for new boilers, water heaters and process heaters subject to Rule 1146.2. Staff is considering revising the applicability of Rules 1146.2 and 1121, since both rules regulate similar equipment based on the heat rating of the unit. Staff will evaluate whether some types of equipment are best regulated by one rule.

For more information, contact Laki Tisopulos at [ltisopulos@aqmd.gov](mailto:ltisopulos@aqmd.gov) or (909) 396-3123.



### Rule 1186.1 – Less Polluting Sweepers

### Rule 1196 – Clean On-Road Heavy-Duty Public Fleet Vehicles

Staff is recommending a one year extension of the sunset date for the Rule 1186.1 provision allowing for Technical Infeasibility Certification Request (TICR) approval, and the Rule 1196 provision allowing for TICR approval based on the unavailability of alternative-fuel stations within five miles of the affected fleet's storage or maintenance yard.

For more information, contact Dean Saito at [dsaito@aqmd.gov](mailto:dsaito@aqmd.gov) or (909) 396-2647.

## CAPCOA Fleet Conference

**O**n August 15-16, 2005, at the Sacramento Convention Center, CAPCOA will host a technical conference and exhibition to provide information on CARB's proposed public fleet regulation. The "Diesel Emissions Reduction for Public Agency & Utility Fleets" Conference & Exhibition will provide a forum for an estimated 250 government policy makers and fleet managers, engine/retrofit manufacturers and installers, fuel producers, and technology innovation companies to exchange information about available pollution control options and the use of new lower-polluting technologies for heavy-duty diesel vehicles owned or operated by public agencies and utilities. The first day will include three afternoon pre-sessions, then kick off the conference with an evening reception and exhibition. The second day will include several technical sessions, including a luncheon and keynote speaker. The continental breakfast and breaks will be hosted in the exhibition area. Registration is free and must be received by July 22 or a fee may apply.

To receive the conference brochure, email [pcedillo@aqmd.gov](mailto:pcedillo@aqmd.gov). For exhibit opportunities, contact Drue Ramirez at (909) 396-3237 or [dramirez@aqmd.gov](mailto:dramirez@aqmd.gov).

For general information, contact Adewale Oshinuga at (909) 396-2599 or [aoshinuga@aqmd.gov](mailto:aoshinuga@aqmd.gov). Updates will be posted on CAPCOA's website at [www.capcoa.org/fleet\\_conference.htm](http://www.capcoa.org/fleet_conference.htm).



# Clean Air PEOPLE

Meet the diversely talented people who work at the AQMD

AQMD  
Advisor



Lee Lockie

**L**ee Lockie enjoys a challenge. She holds an M.S. in Natural Resources Management from the University of Michigan and a B.A. in Political Science. Born in Manhattan, she has owned her own business in New York, headed statewide offices for air quality protection in the states of New Mexico and Arizona and has served as Environmental Projects Coordinator for a molybdenum mine in Northern New Mexico. Appointed to her Arizona position by then Governor Bruce Babbitt, Lee led a nationally recognized and successful enforcement effort, which cut in half sulfur dioxide emissions from copper smelters in the state.

Hired by AQMD in 1988 as Director of Enforcement, she has held a number of management positions prior to her current assignment. Lee is now the Director of Area Sources and PM10 Strategies programs in the Office of Planning, Rule Development & Area Sources. Twenty-two dedicated individuals staff the Area Sources program, which is designed to reduce emissions from small sources.

But, the challenge referred to earlier in this profile also speaks to her outside activities. Lee truly enjoys the outdoors. She has climbed Mt. Whitney and many peaks in Colorado, some

of which are also over 14,000 feet in elevation. Recently, she successfully climbed Mount Kilimanjaro (19,340 feet). She modestly stated, "The oxygen was so thin and I was physically exhausted, but I had good friends to help encourage me to the top. It was worth it. It was a magnificent experience." Lee also loves cross-country skiing, and hiking. And if that isn't enough of a challenge, each summer she helps chaperone ten to fifteen teenagers from Mexico who come to Southern California for a couple of weeks to experience our culture, speak our language and broaden their horizons. All experience the rewards of this challenge.

**A**s a Systems and Programming Supervisor here at the AQMD, Francis Goh is a key member of the agency's Information Management division. He joined the District in 1990 as an air quality specialist, assessing socio-economic impacts and cost-effectiveness of control measures in the 1991 Air Quality Management Plan.



Francis Goh

"It was a great collaboration by all involved. We had to know not only our own area of proficiency, but how it related to others," he says. "We worked with fellow agencies, consultants, universities, trade associations - we built relationships as well as the AQMP."

Francis earned his Bachelors of Arts in Economics from Claremont-McKenna College and his Masters of Business Administration from the University of Southern California. He also worked for McGraw-Hill's Standard & Poor's business unit.

Francis moved to AQMD's Information Management in 1997. His first assignment was to examine dependencies among our agency's software systems and to align their development schedules.

"There was much to learn," he says, "about the extent of support our software systems provide throughout the agency."

Francis and his team are currently developing "e-government" projects. These are programs the District will have available for use via the internet, such as the Application Tracking System where applicants can track permit status on-line.

His projects also include environmental justice initiatives, such as the Public Inquiry System for querying permit enforcement actions.

Francis and his wife Mikyong, a professor of Health & Human Services at Cal State Fullerton, have three kids: Patrick, 15, Edmund, 11, and Alyssa, 4. They enjoy skiing and hanging out at the beach.

"It's corny, but they are the main reason I'm part of our clean air efforts," he says. "My little one says I help wash the air... she's right, that's my mission every day."

**R**oyetta Perry enjoys working at the AQMD because of the diversity of its people and their dedication to helping communities and cleaning the air. She joined the District in 1990 as an office assistant with the Office of Rule Development. Before joining the District, Royetta worked for the Federal Aviation Administration in the Regional Flight Surgeon's office. She has worked as a Senior Office Assistant/Hearing Board Liaison in the District Counsel's office for the past 4 years.

Royetta's commitment to family and community has spurred her outreach endeavors, which her "AQMD family" has supported. Every year she helps coordinate an annual Coat and Blanket Drive for women and children as well as Walk America, which help prevent premature birth. Last month Royetta raised over \$1,000 for this worthy cause. She also is affiliated with several professional, civic and non-profit organizations.

Royetta confesses that "what she does best" is establishing grass-root programs that benefit youth. From a long list of programs she has developed, she placed emphasis on the scholarship programs for students, fundraising projects for graduating high school seniors, and workshops designed to enhance leadership potential in young women. She has also utilized her creative and marketing talents to produce self-esteem building programs for youths ages four to eight. "Children are precious, we MUST invest time in them," she said.

Royetta has been married to David for 11 years and resides in Hawthorne with their three children, Matthew, Brooke and Chase. She holds a Bachelor of Arts degree from California State University Dominguez Hills. With her winning smile, energy and enthusiasm for contributing to her community, Royetta is an inspiration to every member of her "AQMD family".



Royetta Perry



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

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## Briefly...

### Rule 1403-Asbestos Demolition/Renovation Activities

- July 13
- August 10

The classes are held from 8:00 a.m. to 1:00 p.m. at AQMD headquarters. There is a \$20 class fee. To register call (909) 396-2381 or send e-mail to jmoore@aqmd.gov.

### Rule 403-Fugitive Dust Control in the South Coast Air Basin Training:

- July 20
- August 17
- September 4

Location: AQMD Headquarters. There is no fee for Rule 403 Dust control classes, but pre-registration is required. To register, call (909) 396-2183 or the toll-free 1-866-861-Dust (3878) Dust Control Hot Line.

- July 21
- August 18

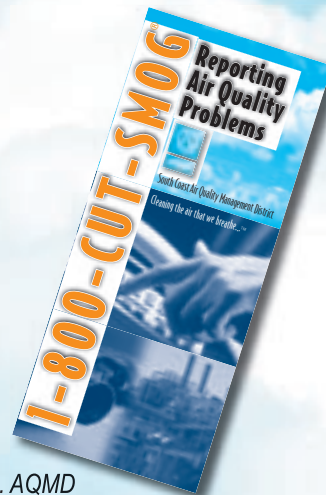
Dust Control Classes for the Coachella Valley are held in Palm Desert. Classes are held at 73-710 Fred Waring Dr., Conference Room 119, Palm Desert. Classes are held from 1:00 p.m. to 4:30 p.m. Reservations may be obtained by calling (909) 396-2183 or the toll-free 1-866-861-Dust (3878) Dust Control Hot Line.

### Rule 2202 - Employee Transportation Coordinator Training

- July 13

Location: AQMD Headquarters. Classes are held from 8:00 a.m. to 5:00 p.m. The fee is \$57.63 and reservations may be obtained by calling (909) 396-2283.

*Call 1-800-CUT-SMOG to report smoking vehicles as well as excessive odors, smoke, dust or other outdoor air quality problems. AQMD accepts your calls 24 hours a day, 7 days a week. For more information contact AQMD at 1-800-CUT-SMOG (1-800-288-7664), press "0" and ask for a free copy of the Reporting Air Quality Problems brochure.*



## AQMD Advisor

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