

Cleaning the air
that we breathe...



Volume 11
Number 4
July 2004

AQMD ADOPTS FISCAL YEAR 2004-05 BUDGET

Faced with declining revenues from lower emission fees and increasing employee retirement costs, AQMD's Governing Board has adopted a \$102 million budget for the 2004-05 fiscal year including cuts in staffing and expenditures. The Board also tentatively adopted a 3 percent across-the-board fee increase for regulated businesses to adjust for inflation and help partially address the agency's budget deficit. Even with the fee increase, AQMD will have a projected deficit of \$3.1 million next fiscal year.

"The budget continues the agency's downsizing and streamlining efforts and reflects a fee increase to more closely align actual program costs with program revenues," said Barry Wallerstein, AQMD's executive officer. Most of AQMD's permit renewal fees are significantly less than those charged by other air pollution

control districts across the state. For more than 50 percent of permitted facilities, a 3 percent hike in annual renewal fees will result in an average increase of just \$5.50.

Included in the budget is funding for 754 positions, which reflects a reduction of 44 positions through attrition. Since 1992, AQMD has reduced its staffing by 35 percent. Adjusted for inflation, next year's budget is 38 percent less than a decade ago.

Despite these reductions and the success of several streamlining measures adopted by the Board, estimated revenues for next year do not keep pace with AQMD's program requirements.

Permit and other fees paid by the 27,000 businesses regulated by the AQMD provide 65 percent of AQMD's revenues. This year's fee amendments include specific proposals to better align program costs

with revenues.

In the coming months, AQMD will revisit its permit streamlining efforts, work with stakeholders to identify discretionary programs that could be scaled back or eliminated and explore alternative revenue sources in an effort to balance future budgets.

For further information, contact Rick Pearce at (909) 396-2828.



Controls on Dairy-Related Emissions Set to Start

A challenging emissions control measure that has been in the making for more than a decade has now taken shape as Proposed Rule 1127 – Emissions Reductions from Livestock Waste, set for hearing by the AQMD Governing Board at its August 6 meeting.

The proposed rule requirements include phased implementation of best practices, including more frequent manure removal; and for manure processed in the South Coast Basin, treatment by regulated composting or anaerobic digestion facilities. Anaerobic digestion is a biological process in which biodegradable organic matter is broken down by bacteria into biogas, which consists of methane, carbon dioxide, and trace gases. The biogas can be used to generate heat and electricity.

The evolving control measure has been in-progress since the 1991 Air Quality Management Plan, with the goal of controlling ammonia, volatile organic compounds, and fine particulate matter emitted from large volumes of livestock waste, mainly at commercial dairy operations as found in concentrated locations in San Bernardino and Riverside counties.

The 2003 passage of Senate Bill 700 (Florez) at the state level eliminated the longtime permit exemption for agricultural sources, and made them subject to "best available" air quality controls alongside other large commercial facilities. SB 700 will be implemented in the South Coast region through existing permit and new source review regulations, as well as new rules including Rule 1127.

AQMD has sponsored technical studies of dairy emissions and potential manure treatments. The Inland Empire Utilities Agency has constructed and is operating an anaerobic digester that uses dairy manure as a feedstock and produces biogas as an energy source.

Throughout the rule development process, AQMD staff held a variety of working group meetings that featured the collaborative participation of industry, academic researchers, technology experts, environmental groups, and local government agencies.

As is the case with all control efforts, AQMD must also consider the cost impacts of proposed controls on the dairy industry and manure processing operations.

For more information, contact Mary Woods at (909) 396-3094.



AQMD SPONSORS STUDIES ON HEALTH IMPACTS OF WILDFIRES, ULTRAFINE PARTICLES

This spring, AQMD's Governing Board approved funding for a study by the University of California, Irvine to examine the health effects of the wildfires that swept the Southland during the fall of 2003.

"The wildfires released an extraordinary amount of fine particulates and other pollutants over the entire South Coast Air Basin," said Barry Wallerstein, executive officer of the South Coast Air Quality Management District.

"We are using this opportunity to look at any adverse effects from smoke and collect valuable information that the public can use to safeguard their health during future wildfires," he said.

The study will compare hospitalization and mortality rates from cardiovascular- and respiratory-related illnesses during the fires with levels of fine particulates and other pollutants monitored during that time.

The AQMD will also co-fund a major health study that will investigate the effects of ultrafine particulate matter on elderly people living in Southern California. (Ultrafine particles are emitted by fuel combustion and are smaller than 0.1 microns. One micron is one thousandth of one millimeter.)

Epidemiology studies have identified the elderly as vulnerable to adverse health effects of particulate matter. This study, being sponsored by the National Institute of Environmental Health Sciences, will investigate the link between pollution levels and cardio-respiratory health in those 65 and older. AQMD's co-funding will help collect additional samples to learn how particulate matter exerts its biological effects.

For more information, contact Jean Ospital at (909) 396-2582

AQMD to Host Hydrogen Conference

AQMD will host a two-day national conference next month on the theme of "Hydrogen - Fueling the Clean Air Future," at the J.W. Marriott Desert Springs Resort in Palm Desert on August 16 and 17, 2004.

AQMD's hydrogen conference will focus on the deployment and commercialization of hydrogen technology, in both vehicle and stationary applications (such as distributed generation of electrical power).

Panelists and participants will include government policy makers, business leaders, and technology experts. There is a registration fee, and pre-registration is required. (See below for details.)

Conference co-sponsors include American Honda Motor Company, ChevronTexaco Technology Ventures, DaimlerChrysler, Ford Motor Company, General Motors, Stuart Energy, and Toyota Motor Corporation USA. Additional co-sponsors will include Air Products and Chemicals Inc., BP, California Air Resources Board (CARB), CalSTART, HyRadix Inc., and Quantum Technologies.

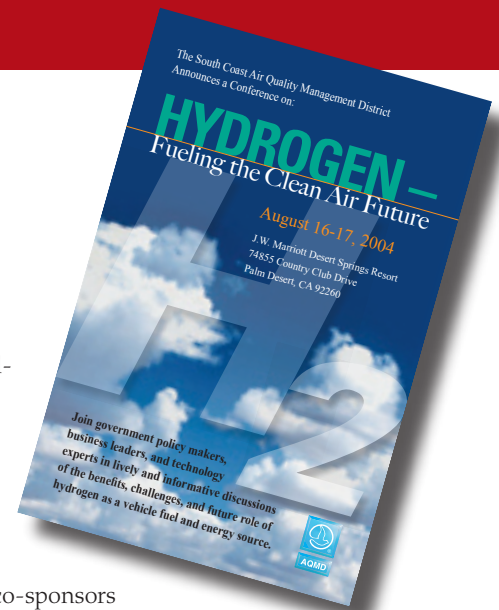
Hydrogen as an energy carrier has the potential to supplement and eventually replace carbon-based fossil fuels such as gasoline and diesel. As such, hydrogen could one day vastly reduce urban smog-forming pollutants, air toxics, and greenhouse gas emissions, while also offering increased energy security and diversity.

The expedited implementation of cleaner-burning fuels and advanced technologies is critical to Southern California's attainment of federal and state clean air standards.

Developing hydrogen technology & infrastructure is one component of AQMD's overall Clean Fuels Program, a fuel-neutral partnership that includes private industry, technology developers, academic institutions, research entities, and government agencies.

The conference's Palm Desert location will allow attendees to tour nearby public and commercial hydrogen facilities; visit a range of exhibits; and ride and drive new clean vehicle models.

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



Conference Theme:

Hydrogen-Fueling the Clean Air Future

Monday, August 16 and Tuesday, August 17, 2004

Registration Fee: (checks payable to "SCAQMD")

\$500 for Non-Governmental

\$250 for Government Officials / Employees

\$250 for Environmental Organization Representatives

\$100 for Student

Mail registration and check

by July 30, 2004 to:

Hydrogen Conference Registration

South Coast AQMD

21865 Copley Drive

Diamond Bar, CA 91765

Conference Location:

J.W. Marriott Desert Springs Resort

74855 Country Club Drive

Palm Desert, CA 92260

(Marriott lodging reservations:

1-800-331-3112, ask for "AQMD Hydrogen Conference rate")

AQMD HOSTS TOWN HALL MEETING



As part of AQMD's continuing Environmental Justice program, a Town Hall meeting was held in Ontario on June 2nd at Ranch View Elementary School. Besides discussion on general air quality issues, this meeting also focused on dairy-related issues and proposed controls for Proposed Rule 1127.

In an effort to provide all residents and stakeholders more convenient opportunities to discuss their neighborhood air quality concerns, the AQMD usually holds one meeting each

month, customized to that particular community's needs, interests, and circumstances. Residents from southern Ontario and neighboring cities of Chino and Mira Loma, where dairies are prevalent, were invited to attend and voice their concerns and issues.

On June 29, another Town Hall meeting was held at Baldwin Hills Branch Library to address their concerns and in August a Town Hall meeting is being scheduled for La Puente. Specific information regarding time and place can always be obtained on the AQMD web site at www.aqmd.gov. At press time, Chairman William Burke was scheduled to attend this public meeting.

For further information, contact Pom Pom Ganguli at (909) 396-3185.

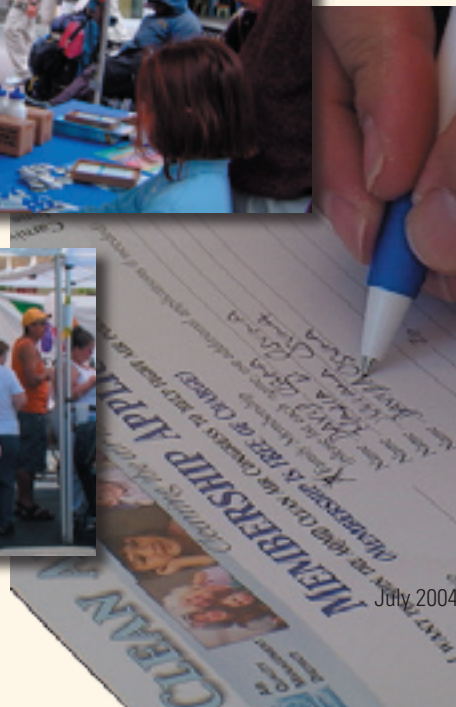
Recent Clean Air Events

AQMD recently hosted Clean Air Fiesta events in Anaheim and Arleta and a carnival at its Diamond Bar headquarters for the Clean Air Congress program. The Clean Air Congress brings together an active group of Southlanders sharing information, strategies and new technologies to fight the health hazards of air pollution.

The events focused on educating and improving the public's awareness of air pollution and how it impacts our health by providing free health screenings, alternative fuel vehicle displays, interactive air quality experiments, and air quality information.

For information on forthcoming events, visit the AQMD Web site at www.aqmd.gov/ej/meetings_workshops.htm.

For more information, contact Debra Reed at (909) 396-3199.



Loaner Program Lets Fleets Test Drive CNG School Bus

At its June meeting, the AQMD Governing Board approved a \$145,000 contract with successful bidder Bus West of Whittier, CA, to carry out a demonstration/loaner program for an 84-passenger compressed natural gas (CNG) school bus.

The selected proposal includes purchase of the bus and a comprehensive outreach package to address typical operator questions about fueling, system training, and garage upgrades, to assist in successful transition to low-emission CNG technology.

Details regarding participation in the loaner program are still

being worked out, and may be similar to the application-and-award process followed for the existing Lower-Emission School Bus Replacement and Retrofit Program, including prioritization for highly impacted communities. AQMD staff's best estimate at this time is that up to seven school districts or school transportation providers could have use of the bus during a calendar year.

The loaner program is one of a range of Board initiatives intended to help accelerate the turnover of older diesel school buses to cleaner alterna-

tives and advanced technologies.

By way of a 30- to 45-day test-drive, fleet operators can gain "hands-on" familiarity with a fully equipped alternative fuel vehicle on local routes, meeting local operational needs. Bus West will maintain the bus, perform warranty repairs, and provide user training, while participating school districts or school bus fleet operators will provide insurance and fuel.

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 fuels, particulate traps & catalyst emission controls, and advanced technology engines, including CNG.

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



Fleet Rule Implementation Responds to Court Decision

Bill Removing Exemptions from Agricultural Operations Takes Effect

Senate Bill 700 (Florez) Air Quality Emissions from Agricultural Operations became effective earlier this year. The bill removes the decades-old exemption from permits and placed other requirements on agricultural sources of air pollution. The AQMD has held several meetings with the farming community to better help them understand the impact and requirements for "agricultural sources" which is generally defined as agricultural operations involved in the growing of crops or the raising of fowl or animals.

The AQMD is implementing permitting of agricultural sources in three phases. Phase I – Title V/Major Agricultural Sources has the highest priority due to the June 29, 2004 deadline for submittal of Title V applications. Phase II – Non-Title V (but Larger) Agricultural Sources is also of high priority because application submittals are, tentatively, required by the end of 2004. Finally, Phase III – Non-Title V (Smaller) Agricultural Sources will be evaluated for permit requirements in 2005.

Agricultural operators can determine which category their operation belongs to by completing a survey that can be obtained online at www.aqmd.gov/titlev/ag.html#survey or by calling Vivian Lavin at (909) 396-2945.

For further information, contact William Thompson at (909) 396-2403.

Public fleet operators have been advised by AQMD staff that the agency's Clean Fleet rules remain in full force and effect as they apply to state and local public entities. This advisory conforms with the April 28, 2004, decision announced by the U.S. Supreme Court in Engine Manufacturers Association v. South Coast Air Quality Management District.

In an 8-1 decision, the Court issued an opinion that AQMD is pre-empted from applying the rules to purchases of new vehicles by privately owned fleets, and sent the case back to trial court for further deliberation.

The majority of vehicles regulated by AQMD's Clean Fleet rules are operated by government agencies, or are contracted to such agencies.

The court held open the possibility that the Fleet rules are valid as applied to public fleets, and possibly as applied to lease arrangements or the purchase of used vehicles. The AQMD will continue monitoring fleet purchase activities as called for under the rules, and postpone enforcement actions as they apply to private entities.

In 2000 and 2001, the AQMD Governing Board adopted a series of seven Clean Fleet rules requiring public and certain private fleets to acquire vehicles using clean alternative fuels when adding to or replacing vehicles in their fleets. The rules are intended to reduce adverse health impacts of vehicular exhaust, which has been found to be responsible for most of the carcinogenic risk from air toxics.

As of early 2004, the rules had resulted in the acquisition of over 5,000 clean fuel heavy-duty vehicles, primarily natural gas.

AQMD Executive Officer Dr. Barry Wallerstein noted that AQMD is determined to continue implementing the rules, and that AQMD's Governing Board has requested the California Air Resources Board to submit the rules to U.S. EPA for a waiver of pre-emption.

"Section 209 of the Clean Air Act provides that California may apply for such a waiver. If U.S. EPA grants the waiver, the rules could again be fully enforced."

When making vehicle-purchasing decisions, fleet operators should be aware that AQMD is exploring administrative actions making the Clean Fleet rules fully enforceable to all vehicle fleets, both public and private.

For more information contact Barbara Baird at (909) 396-2302.

EJ Training Workshops Announced

The South Coast Air Quality Management District is hosting a series of Environmental Justice Training workshops this summer to discuss environmental justice issues with local government officials, businesses and members of community groups.

The workshops are intended to raise public awareness of environmental justice issues and to find solutions to local air quality concerns. Discussion topics and workshop goals include:

- Background and history of environmental justice issues.
- AQMD's mission, goals and objectives;
- Identifying local air quality or environmental justice issues, and potential solutions to them;
- Solicit suggestions for the 2004-05 AQMD environmental justice work plan; and
- Identify strategies to involve local residents, community groups, health organizations, local government officials and businesses in developing and carrying out environmental justice policies and programs.



Visit the AQMD Web site at www.aqmd.gov/ej/meetings_workshops.htm for the latest schedule of events.

For more information contact Pom Pom Ganguli at (909) 396-3185.

Foothill Neighborhood Environmental Justice Council Established

The AQMD has formed a community council in the foothill region of the San Gabriel Valley to address air quality concerns in that area.

The Foothill Neighborhood Environmental Justice Council (NEJC) will include members from the community, local elected officials, health related organizations, business and trade associations. The Foothill NEJC will meet monthly or bi-monthly to bring forth recommendations and proposed future actions that would serve to mitigate air quality impacts in the North San Gabriel Valley. It is expected to convene for no more than a 12-month period.

"NEJCs have been well received and are designed to bring the community together, working with AQMD, to address and help resolve air quality problems that impact their quality of life," said Oscar Abarca, AQMD's assistant deputy executive officer of Public Affairs.

This will be the third NEJC created under AQMD's Environmental Justice Workplans. Earlier, NEJCs were established in Pico Rivera and the City of Industry/Avocado Heights area of Los Angeles County.

For more information, contact Pom Pom Ganguli at (909) 396-3185.



FREE SUMMER CONCERTS ON THE SANTA MONICA PIER

Join the AQMD this summer for the 20th annual Twilight Dance Series on Thursday evenings on the world-famous Santa Monica Pier. Ten free concerts will be held on the AQMD Clean Air Stage beginning on July 1. This summer, AQMD is featuring its Clean Air Choice campaign to help educate consumers on the lowest-emitting vehicles available for purchase in California. Auto manufacturers and dealers will display qualifying Clean Air Choice vehicles during several concerts. The concerts start at 7:30 p.m. and are scheduled as follows:

July

- July 1 – Fishbone and The Bonedaddys
- July 8 – Wailing Souls and Ras Michael
- July 15 – The Young Dubliners and Venice
- July 22 – Les Yeux Noirs and Quetzal
- July 29 – Excentric, Sound System and Delta Nove

August

- August 5 – Richie Havens and Janis Ian
- August 12 – Latin Alternative Music Conference featuring Andrea Echeverri and Ely Guerra
- August 19 – Billy Vera & The Beaters and Thee Midnitters, with Little Willie G.
- August 26 – Blackalicious and Benny Cassette

September

- September 2 – Clarence Clemons' Temple of Soul and Gravity

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

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 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/index.html or provided by AQMD's Public Information Center, (909) 396-2039.

August 2004



Rule 1127-Emission Reductions from Livestock Waste

This proposed rule seeks to reduce ammonia and VOC emissions from livestock waste. For more information, contact Zorik Piroeysian at zpiroeysian@aqmd.gov or (909) 396-3133.



Regulation XX-RECLAIM

These rule amendments propose the re-entry of power producing facilities into the Regional Clean Air Incentives Market program. For more information, contact Jill Whynot at jwhynot@aqmd.gov or (909) 396-3104

September 2004



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

The proposed amendments to this rule may adjust compliance dates for water heaters. For more information, contact Jill Whynot at jwhynot@aqmd.gov or (909) 396-3104.



Rule 1145-Plastic, Rubber, and Glass Coatings

These proposed amendments seek to further reduce emissions and address compliance difficulties related to specific applications of clear coatings and other minor issues. For more information, contact Larry Bowen at lbowen@aqmd.gov or (909) 396-2575.



Rule 1468-Control of Emissions from Spray Operations Using Chromium

The proposed rule will address chromium emissions from spray operations. For more information, contact Jill Whynot at jwhynot@aqmd.gov or (909) 396-3104.

AQMD Works to Reduce Air Pollution at the Ports

The classic movie "On the Waterfront" has an entirely different meaning to AQMD inspectors Larry Swasey and Tom Rooney. Their job is to make sure that industrial facilities and visiting ships comply with AQMD regulations and trucks comply with a recent State law (AB 2650) to reduce idling emissions at container terminals. This is not an easy job. The two ports combined are the busiest in the U.S., handling over 4,500 ships in 2003, with daily NOx emissions of 50 tons per day – more than that of 1 million cars.

Since February 2002, Rooney has patrolled the harbor looking for not only smoking ships but industrial violators as well. It is not uncommon to find him perched on a building with his binoculars trained on the horizon searching for ships not complying with AQMD visible emission requirements. During the 26 month period ending March 2004, Rooney had issued 62 violations against ships for excessive smoke.



"Through our efforts and with the assistance of both the L.A. and Long Beach Harbor police, there has been a significant decrease in violations since 2002. There were only 23 violations written on ships in 2003 compared to 33 violations written in the 11 months of 2002. I attribute this decline to ships being more aware of our rules on visible emissions and our programs to cite violations," said Rooney.

Swasey's main focus is to ensure that trucks with appointments do not idle for more than 30 minutes in front of a terminal gate, a violation of AB 2650-Lowenthal.

"Idling trucks are a major source of not only NOx, but also toxic air emissions," stated Swasey. "With the new legislation being considered by the state legislature and with AQMD's compliance effort, there will be a continued decrease in emissions from not only idling trucks but from all activities at the port."

With Rooney's and Swasey's diligent work, there will be far less pollution on the waterfront. For more information, contact Ben Shaw at (909) 396-2394.

Coachella Valley Dust Plan in Action

Construction activities, blowing winds, unpaved roads and agricultural operations combine to create a major particulate problem in the Coachella Valley. But an ambitious plan has both cities and businesses in the Coachella Valley partnering with AQMD in working to reduce the dust problem.

From 1993 to 1999 the Coachella Valley met the Federal standard of 50 ug/m3 for fine particulates. However, the Valley fell out



of compliance in 1999 due to the explosive rise in construction and the return of a drier climate cycle. The federal government has given the Valley a one-time extension until 2006 to once again come into compliance with the federal PM₁₀ standard.

The Coachella Valley State Implementation Plan, adopted in 2002, serves as the framework to accomplish this. This plan calls for dust control for all sources: construction, roadways, parking lots, disturbed vacant lands, and agricultural operations. Central to the 2002 SIP is for local cities to adopt dust control ordinances and, through a formal agreement with AQMD, agree to take lead responsibility for enforcing both local ordinances and the approved Fugitive Dust Emission Control Plans submitted by any person who plans to conduct earth-moving operations.

Equally important to this effort is the training of both agency staff and operators engaged in earth-moving activities. The newly adopted local ordinances and AQMD Rule 403.1 (e) (4) requires that operators of large projects must have an on-site Dust Control Supervisor who has completed the AQMD Coachella Valley Fugitive Dust Control Class and holds a current certificate of completion.

Since September 2003, almost 2,000 people have completed this training and received certificates of completion for the class.

For more information, contact Pat Hotra at (909) 396-2995.

Clean Air PEOPLE

Meet the diversely talented people who work at the AQMD

AQMD Advisor



John Higuchi

... Retires after 37 years of service!



Thelma Merino

If you have had to visit AQMD's Finance group and sign for an expense check, most likely the smiling and friendly lady behind the counter was Thelma Merino. Thelma started at the AQMD almost 17 years ago and worked in the Investigation Section of the then Enforcement Division.

Born in the Philippines, Thelma received her bachelor's degree in Business Administration, majoring in Accounting. Her parents moved to the United States when she was 18, leaving Thelma to live with her oldest sister and brother-in-law for the next seven years. Thelma then came to the United States in 1987. Another sister who worked at the AQMD as a Supervising Inspector insisted that Thelma apply for a position here at the AQMD. So, along with her niece and another family member, she reluctantly applied and... she got the job! Thelma stated "This was my very first 'real' job." She says now, as she looks back on her career, "I'm fortunate how fate directed my path." She stated that so many of her friends are at the AQMD.

About four years ago she applied for and got the position as Secretary in Finance, and worked for two managers. However a recent re-organization now has her reporting only to one.

Thelma is married, and has two daughters. Kristina is 14 years old and Angelica will be 12 in August. They recently acquired a 5 month old Chihuahua. All black, they named her Ore. Thelma stated, "Puppies and teenagers... life will certainly not be dull for the next couple of years!"

John Higuchi joined the predecessor agency of AQMD, the Los Angeles County Air Pollution Control District, in July 1967 as a student worker with a bachelor's degree in physics from the University of California, Los Angeles.

He added a master's in physics from California State University, Los Angeles and a master's in electrical engineering from the University of Southern California, while pursuing a career in developing measurement methods for a wide variety of air pollutants. As he retires in July this year, John departs as manager of Monitoring and Source Test Engineering.

John notes that when he first started out in the field, there was little oversight of monitoring or test methods.

"Today, there is extensive oversight and standardization of measurement methods," he says. "Consistent oversight helps ensure that everyone is using the same protocols. On the other hand, protocols standardized for the rest of the country often don't apply here. But I've been fortunate to have great staff who were and are very innovative in creating solutions to difficult measurement problems."

John recalls that the Los Angeles County APCD was the first local air district to own a gas chromatograph/mass spectrometer, in the 1970's, for the identification and measurement of VOCs. "It was the size of my desk," he says. "Now, just like computers, they're smaller, less expensive and 100 times better."

For carbon monoxide, oxides of nitrogen, and organics, John's staff has gone from measuring 200 parts per million in the 80's to measuring 2 parts per million for the lowest-emission applications today.

"What that means is that, on numerous days, the concentrations we're trying to measure might be lower than what's present in the ambient air," he says.

Two of John's most memorable projects were the development of a protocol for measuring emissions from barbecue igniters, and development of an emission factor for fast-food conveyor-belt charbroilers where "we had to make lots of adjustments for grease," he said.

John and his wife Tomiko have two grown sons, ages 18 and 21, both of whom have achieved the rank of Eagle Scout. Upon retirement, John looks forward to a combination of travel and perhaps flexible work of some kind. "Whatever comes along," he says with a smile.



Higuchi in the early days of the AQMD



Adewale Oshinuga

One of the reasons that I wanted to come to work at AQMD," noted Adewale Oshinuga, Air Quality Specialist in the Office of Science and Technology Advancement, "was that whenever I fueled my car at the gas station in Austin, Texas as a college student, I would become nauseated by the fumes emitted. I realized that in order to solve this problem, I had to play a role in controlling emissions from gas stations and other sources, and become an active part of the solution."

Adewale joined AQMD in 1989 as an Assistant Air Quality Engineer in the refinery section processing permits and was promoted to Air Quality Engineer I and then AQ Engineer II during a three-year period. He believes that if you work hard, your efforts will create success. He has worked in the Planning and Rules Division and as the lead staff on many R&D, demonstration, and implementation projects ranging from fuel cells to hydrogen/natural gas infrastructure, advanced technologies for off-road and on-road transportation sources, incentive programs, clean alternative fuel technologies and retrofit programs.

You might say that Adewale is an "American Dream" story. The eldest son of 35 siblings and the first in his family to immigrate to the United States from Nigeria, he worked for two years saving his money so that he could study in this country.

He earned his bachelor's degree in both mathematics and physics from Houston Tillotson College and his master's degree in petroleum engineering from the University of Louisiana, Lafayette. Adewale lives with his wife, Simiat, and five children in Victorville.



South Coast
Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178

Forwarding Service Requested

PRSRT STD
US Postage
PAID
Walnut, CA
Permit No. 95

Briefly...

RULE COMPLIANCE PROMOTION CLASSES

Upcoming compliance classes will be held as follows:

Rule 1403-Asbestos Demolition/ Renovation Activities

- July 14
- August 18
- September 15

The classes are held from 8:00 a.m. to 1:00 p.m. at AQMD headquarters. There is a \$30 class fee. *Registration can be arranged by calling (909) 396-2381 or by sending e-mail to jmoore@aqmd.gov.*

Rule 2202-Employee Transportation Coordinator Training

- July 21 or 22, Los Angeles
 - August 11 or 12, South Coast AQMD, Diamond Bar Headquarters
 - August 25 or 26, Riverside
 - September 15 or 16, Glendale
- Classes are held from 8:00 a.m. to 5:00 p.m. Registration fee is \$52.79 per person. Enrollment is limited to 25 students and classes will be filled on a first-come, first-served basis. *To reserve a space, call Paulette Henson at (909) 396-3374.*

Important Compliance Deadline Reminders



Rule 431.2-Sulfur Content of Liquid Fuels

Effective June 1, 2004 no diesel fuel shall be purchased for stationary sources in the South Coast district unless the sulfur content does not exceed 15 ppm. Effective January 1, 2005, only low sulfur diesel fuel shall be produced or supplied for stationary and mobile source applications.

For more information, contact Paul Wuebben at pwuebben@aqmd.gov or (909) 396-3247.



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

Effective January 1, 2005, boilers and water heaters with rated heat input 1,000,000-2,000,000 Btu/hr manufactured between 1992-1999 must be replaced or modified to meet the requirements of Rule 1146.2.

For more information, contact Moustafa Elsherif at melsherif@aqmd.gov or (909)396-3113.

AQMD Advisor

This bimonthly news publication is produced by the South Coast Air Quality Management District's (AQMD) Public Affairs Office. AQMD is the air pollution control agency for Orange county and major portions of Los Angeles, San Bernardino and Riverside counties. *AQMD does not endorse or warrant any products, services or companies mentioned in this publication.*

To subscribe, send your name and address to: **AQMD Advisor**, AQMD, 21865 Copley Drive, Diamond Bar, CA 91765-4182, or e-mail aqmdadvisor@aqmd.gov.

For news updates and other information, visit AQMD's website at www.aqmd.gov.

The AQMD Advisor is now available online at www.aqmd.gov/pubinfo/webpubs.htm