

Cleaning the air
that we breathe...



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Enhanced Air Quality Management Plan Outreach Program to Be Launched

In conjunction with the development of the South Coast Air Quality Management District's 2012 Air Quality Management Plan (AQMP), staff has begun implementing a 2012 enhanced AQMP Outreach Program to inform and engage a wide range of stakeholders and the public about the latest updates to the clean air plan.

In addition to the on-going meetings of the AQMP Advisory Group, the Scientific, Technical, Modeling & Peer Review Advisory Group meetings, and mandatory regional workshops and hearings, an enhanced outreach program to stakeholders and the public in the region will be conducted.

This approach aims to reach a broader and more diverse audience, ensure greater transparency in the process, facilitate greater participation and engagement, and develop partnerships with stakeholder groups.

The outreach approach is designed to help formulate the policy discussion by ensuring all stakeholders share a common set of initial baseline facts, understand federal requirements, and have adequate information to make informed comments for decision makers to consider.

Because the clean air goals in the 2012 AQMP

cannot be achieved solely by the actions of SCAQMD, the proposed control strategies will require participation from affected businesses, local communities, and government agencies to achieve the mutual goals of protecting public health, providing environmental equity, and promoting a robust and sustainable economy through the development of strong partnerships.

The draft plan is expected to be made available for public review and comment by early summer 2012. Public workshops and hearings will be held during this review period. The plan is scheduled to be considered by SCAQMD's Governing Board in the Fall of 2012, after which it will be submitted to the California Air Resources Board and to the U.S. Environmental Protection Agency.

Information on upcoming Advisory Group meetings, public workshops and hearings, and other activities to assist in the communication and development of the 2012 AQMP will be available at <http://www.aqmd.gov/aqmp/2012aqmp/index.htm>.

For more information contact Dr. Philip Fine at (909) 396-2239 or pfine@aqmd.gov or Joe Cassmassi at (909) 396-3155 or jcassmassi@aqmd.gov.

SCAQMD, Cabazon Band Mission Indians Sign Agreement to Enforce Air Quality Rules on Tribal Land Near Mecca

Southland air quality officials have reached a government-to-government agreement with the Cabazon Band of Mission Indians to enforce local air quality regulations in the 640-acre Cabazon Resource Recovery Park near Mecca.

The South Coast Air Quality Management District is very pleased that the Cabazon Band has committed to an agreement with SCAQMD to enforce air quality regulations in the industrial park near Mecca, and the agency looks forward to partnering with the Cabazon Band to protect public health and air quality.

"We would like to thank SCAQMD and its staff for the cooperation and efforts put forth toward a mutually acceptable agreement by both parties," said Tribal Chairman David Roosevelt. "This agreement is the demonstration of our commitment to the community and environmental stewardship on sovereign lands."

The government-to-government agreement approved by the SCAQMD Governing Board at its February meeting is a significant step forward in protecting air quality in the area since the Cabazon Band and many Native American tribes across the country maintain that state and local agencies have limited authority to enforce their regulations on sovereign tribal land.

The agreement establishes an air sampling, monitoring and enforcement procedure. In addition, under the agreement the Cabazon Band will require facilities operating within the Cabazon Resource Recovery Park – including Western Environmental Inc. - to comply with all applicable SCAQMD rules. SCAQMD will provide technical expertise in developing conditions to be imposed on operating permits issued by the Cabazon Band to non-tribal owned facilities.

Besides providing access to SCAQMD personnel into facilities within the Cabazon Resource Recovery Park, an SCAQMD representative will serve on the Tribal Environmental Board, and a community benefit program will be established where any penalties assessed for air quality rule violations will be set aside for programs benefitting residents of the Cabazon Reservation and surrounding communities. In addition, SCAQMD will be allowed to enforce permits issued by the U.S. EPA to facilities operating within Cabazon Resource Recovery Park.

Once SCAQMD issues a violation notice, the Tribal Environmental Board reviews it and approves, modifies or rejects it. In addition, a facility or SCAQMD can appeal to the Cabazon Tribal Court if the violation notice remains in dispute 90 days after it was issued.

The agreement does not apply to Colmac Energy, Inc., a biomass-to-energy plant in the resource recovery park. Colmac has operated under a monitoring and enforcement agreement with SCAQMD, the Cabazon Band of Mission Indians, the County of Riverside and the Coachella Valley Association of Governments and with endorsement from U.S. EPA, since 1989.

For more information, contact Nancy Feldman at (909)396-3455 or nfeldman@aqmd.gov.

SCAQMD Governing Board Member Updates

In December 2011, at the South Coast Air Quality Management District's (SCAQMD's) Governing Board Meeting, the oath of office was administered to Board Member Miguel Pulido, Mayor of Santa Ana, who was reappointed to the Board by the Cities of Orange County to represent them for a four-year term ending January 15, 2016.

At the Governing Board's January 2012 meeting, Chairman William A. Burke, who was re-elected by the Board in September 2011 to his current leadership position, was sworn in again as Chair for another two-year term.

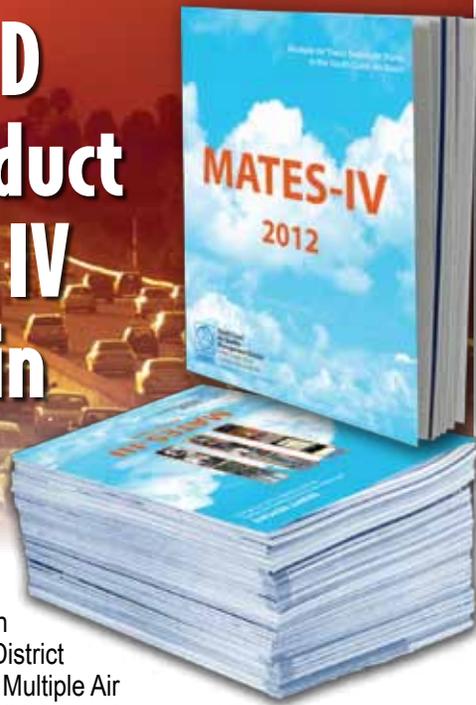
After reciting the oath, Chairman Burke commented that he appreciates the support of his colleagues on the Board and looks forward to continuing to serve as Chairman. He added that he would like to extend a thank-you to Board Member Jane W. Carney, the Senate Rules Committee Appointee, who has declined to seek reappointment to the Board, for her service towards the SCAQMD mission of cleaning the air while also protecting the people who do not have adequate representation.

Also in January 2012, Chino Mayor Dennis R. Yates, was sworn in as Vice-Chair and has been reappointed as a Member of the Board by the Cities of San Bernardino County to represent those cities for another four-year term ending January 15, 2016.

For more information, contact Sandra McDaniel at (909) 396-2821 or SMcDaniel@aqmd.gov.



SCAQMD to Conduct MATES IV Study in 2012



New SCAQMD Clean Air Technology Demo Vehicles

Another step in implementing the South Coast Air Quality Management District Air Quality-Related Energy Policy was accomplished February 3rd, when the SCAQMD Governing Board authorized acquisition of seven advanced technology vehicles for the agency's Alternative Fuel Vehicle Demonstration Program.

SCAQMD tests and demonstrates new vehicles with low- and zero-emission technologies as they become available to help support the development and deployment of cleaner advanced vehicle technology and to educate consumers at public outreach events. SCAQMD is in the process of upgrading electric charging and hydrogen fueling at its facility and is co-funding additional fueling infrastructure in the region to support these vehicles.

The vehicles which SCAQMD is acquiring include: leasing three BMW ActiveE electric vehicles, leasing two Mercedes B-Class F-cell fuel cell vehicles, and purchasing two Chevrolet Volt extended-range electric vehicles.

BMW will produce 700 ActiveE four-passenger sedans for deployment in seven cities over the next two years in a field trial as the next step toward commercialization of the BMW i3 (MegaCity vehicle) announced for 2013, which will be followed by the i8. The ActiveE is designed to travel about 100 miles before recharging.

The new Mercedes B-class F-Cell is a four-door, five-passenger hatchback with a range of up to 240 miles when refueled with 70 MPa gaseous hydrogen. Mercedes will produce about 200 of these vehicles for demonstration near hydrogen refueling in the Los Angeles and San Francisco regions in California and in Europe over the next two years.

The Chevrolet Volt is a full performance four-passenger electric sedan with extended range. Volt is designed to travel about 35 miles at speeds up to 100 mph using the on-board battery pack, and the gasoline engine serves as a range extender providing several hundred miles of travel. When the Volt is plugged in routinely and used for short trips, the engine may not need to start for extended periods of time. Improvements for 2012 include California emissions certification as an enhanced ATPZEV, which enables the 2012 Volt to qualify for solo-driver carpool lane use with new green decals until January 1, 2015.

For information, contact Lisa Mirisola at (909) 396-2638 or LMirisola@aqmd.gov.

As part of the overall effort to reduce air toxic exposure in the South Coast Air Basin, the South Coast Air Quality Management District will begin conducting the Fourth Multiple Air Toxics Exposure Study (MATES IV) beginning as early as June 2012.

The study's field measurements will be conducted over a one-year period at ten fixed sites (the same sites selected for MATES III) to assess trends in air toxic levels. This year's study will be expanded to also measure ultrafine particles, in addition to toxic air contaminants. Shorter-term measurements will also be conducted at various locations to assess localized impacts of combustion sources. The focus will be to measure exposures to ultrafine particles and diesel particulate matter near significant mobile sources such as airports, freeways, rail yards, busy intersections and warehouse operations.

SCAQMD conducted its first Multiple Air Toxics Exposure Study (MATES I) in 1987. This groundbreaking effort was the first to attempt to characterize the concentration of airborne toxic compounds within the South Coast Air Basin, and to determine the Basin-wide risks associated with major airborne carcinogens.

The second study (MATES II) in 1998-99 expanded the knowledge gained in the first study. MATES II highlighted the extent of the impact of diesel emissions and the downward trend of certain air toxics.

The MATES III study conducted from 2004-06 expanded to include additional compounds.

MATES III ambient measurements found that compared to MATES II the risk from air toxics was lower in several areas but the risk increased near the ports and along transportation corridors.

More information on previous years MATES studies, and information on the MATES IV study, can be obtained on SCAQMD's web site at: www.aqmd.gov.

For information, contact Jean Ospital at (909) 396-2582 or JOspital@aqmd.gov.



SCAQMD Awards Nearly \$12.5 Million For Eight Renewable Energy Projects Throughout Southland

The South Coast Air Quality Management District Governing Board approved nearly \$12.5 million at its January 6, 2012 meeting to help fund eight renewable energy projects across the Southland to support clean air technologies such as plug-in electric vehicles. The projects, dispersed throughout the Southland, will displace more than 11 megawatts (MW) of power typically generated through large, centralized fossil-fuel power plants. This amount of electricity could power 5,000 typical homes.

"These are the kind of projects we need to deploy on a large scale to tackle our severe air pollution problem," said William A. Burke, Ed.D., SCAQMD Governing Board Chairman. "They will demonstrate a variety of zero-emission technologies while helping to reduce greenhouse gas emissions and increase our energy security."

The projects will generate electricity from renewable sources such as solar and biogas and utilize electricity storage technologies to provide off-grid power during peak demand hours.

The projects include the installation of solar carports and rooftops systems, electric vehicle charging stations, battery energy storage systems, installation of renewable fuel cell energy, and a fleet of electric vehicles.

Recipients of the projects include the Metrolink train station in the City of Industry, CODA Energy LLC facility in Santa Monica, El Monte Unified School District, Los Angeles County Metropolitan Transportation Authority's Gold Line facility in Los Angeles, the University of California, Riverside Center for Environmental Research and Technology (CE-CERT), and the Eastern Municipal Water District's Perris Valley Water Reclamation facility.

The total cost for all the projects is approximately \$41 million, with the balance of funding provided by project partners. Projects will begin later this year and are expected to be completed within 18 months.

For more information, contact Matt Miyasato at (909) 396-3249 or MMiyasato@aqmd.gov.



Electric Vehicle Symposium Coming Up

The 26th International Electric Vehicle Symposium (EVS26) will be held on May 6-9, 2012 at the Los Angeles Convention Center. This event brings together the entire electric drive industry, including business, technology, policy and academic leaders to provide significant information and insight into the latest developments in the electric vehicle industry. EVS26 will feature state-of-the-industry educational sessions, a Ride, Drive & Charge event, and an exhibit hall filled with the world's leading electric vehicle technology and solution providers.

The general public is invited to attend a Consumer Education Day on Sunday, May 6 which will provide entry to the EVS26 exhibit floor and participation in the Ride, Drive and Charge. Fees will be \$10 for adults and \$5 for children (6 years and older). Registration will only be available on-site for the general public.

For more information and event registration please visit www.EVS26.org or contact Lisa Mirisola at (909) 396-2638 or Lmirisola@aqmd.gov.



SCAQMD 2012 Summer Intern Program

Every summer the South Coast Air Quality Management District solicits and selects students to participate in its summer internship programs. Through the SCAQMD Governing Board

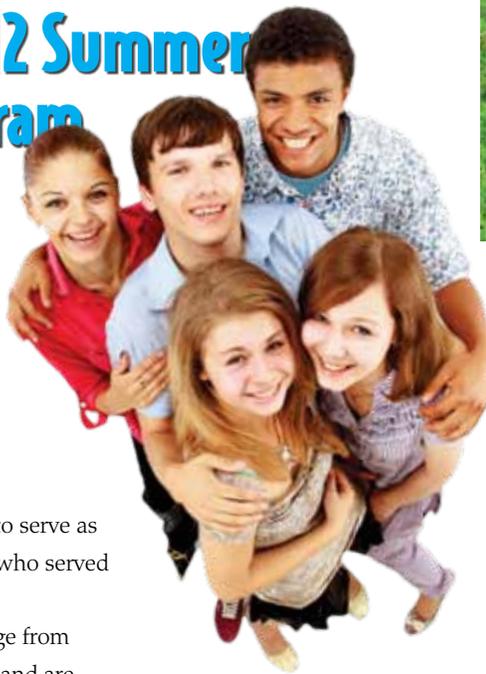
Internship Program students may apply to serve as interns. In 2011, there were 41 students who served as summer interns.

Governing Board Summer interns range from high school students to Ph.D candidates and are provided an opportunity to be involved in a wide range of the agency's projects and programs. College students are compensated at the rate of \$10 per hour, and high school students at \$8 per hour.

Cover letters and resumes are accepted February through April for the Governing Board summer internships. Interested candidates should submit a detailed resume and a cover letter to Jeanell Bradley, SCAQMD's Human Resources Manager, via email indicating why they would like to intern at SCAQMD, the area in which they are interested in working, their educational goals, and their commitment to environmental concerns.

All applications are forwarded to the thirteen Governing Board members for review. It is a very competitive process as over 100 applicants often apply for 25-30 internships. The Board selects interns by the end of May. Most internships commence in June and end in late August.

For more information or questions about the SCAQMD student intern programs, contact Jeanell Bradley at (909) 396-2034 or jbradley@aqmd.gov.



2012 Lawn Mower and Leaf Blower Exchange Programs Coming Soon



SCAQMD is currently in the process of planning and scheduling its tenth annual "Mow Down Air Pollution" Lawn Mower Exchange Program, as well as its Leaf Blower Exchange Program, both to be held in 2012.

The Lawn Mower Exchange events are expected to take place from late Spring to early Summer at locations throughout the area. The program allows residents living within SCAQMD's four-county jurisdiction to turn in their working gas-powered lawn mower and purchase a new cordless rechargeable electric mower at a greatly reduced price. There will be several makes and models available from which to choose.

The Leaf Blower Exchange program is expected to be held during the Summer in 2012. The program allows an older leaf blower to be exchanged

for a low-polluting and lower-noise model. This program is open to professional gardeners and landscapers who live and work in the SCAQMD's four-county jurisdiction which includes most of Los Angeles County (excluding the Antelope Valley), all of Orange County, most of Riverside County, and the non-desert area of San Bernardino County.

Check the SCAQMD web site at www.aqmd.gov for announcements of when the registration will start for either of these programs. Individuals may also sign up at www.aqmd.gov/listserver/list.aspx to be notified when registration for the programs will begin.

For more information, contact Shashi Singeetham at 909-396-3298 or ssingtham@aqmd.gov.

Upcoming Events Upcoming Events Upcoming Events



The South Coast Air Quality Management District regularly provides air quality information at community events throughout the region. Some of the upcoming events to help inform the public about air quality and the things that Southland residents can do to make a difference include:

Children's Water Education Festival
 March 28-29, 8 a.m. to 3 p.m.
 Richard Nixon Library
 18001 Yorba Linda Blvd, Yorba Linda, 92886

15th Annual Highland Citrus Harvest Festival
 March 31, 10 a.m. to 3 p.m.
 Intersection of Palm Avenue and Main Street
 Downtown Highland, 92346

Air Power Games Event
 April 14, 8 a.m. to 2 p.m.
 Children's Hospital of Orange County
 1530 West 17th St., Santa Ana, 92706

Children's Environmental Fair
 April 27, 8 a.m. to 2 p.m.
 Norman Murray Community Center
 24932 Veterans Way, Mission Viejo, 92692

Ask the Advisor



Q: On your website there is a daily Air Quality modeling forecast. How are the air measurements taken and what are the criteria for determining how clean or polluted the air is?

A: There are several air monitoring stations set up in the surrounding area and air measurements are taken every hour for the five major air pollutants regulated by the federal Clean Air Act: Ground-level Ozone (O₃); Particle Pollution, also known as particulate matter (PM-10 and PM-2.5); Carbon Monoxide (CO); Sulfur Dioxide (SO₂); and Nitrogen Dioxide (NO₂).

That data is then sent to the SCAQMD lab and is fed through a meteorological algorithm to calculate a value for the area's air quality. To make it easier to understand, the AQI is divided into six levels. Each level corresponds to a different degree of health concern:

Good: The AQI value for your community is between 0 and 50. Air quality is considered satisfactory, and air pollution poses little or no risk.

Moderate: The AQI for your community is between 51 and 100. Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people. For example, people

who are unusually sensitive to ozone may experience respiratory symptoms.

Unhealthy for Sensitive Groups: When AQI values are between 101 and 150, members of sensitive groups may experience health effects. This means they are likely to be affected at lower levels than the general public. For example, people with lung disease are at greater risk from exposure to ozone, while people with either lung disease or heart disease are at greater risk from exposure to particle pollution. The general public is not likely to be affected when the AQI is in this range.



Unhealthy: Everyone may begin to experience health effects when AQI values are between 151 and 200. Members of sensitive groups may experience more serious health effects.

Very Unhealthy: Values between 201 and 300 trigger a health alert, meaning everyone may experience serious health effects.

Hazardous: AQI values over 300 trigger health warnings of emergency conditions. The entire population is more likely to be affected.

Flag Color	AQI Range	Health Advice
Green	0-50	Clean air, have fun! No worries.
Yellow	51-100	The air is okay, but not the best for everyone. If you need to, just play easy. Sensitive people should consider reducing prolonged or heavy outdoor activities.
Orange	101-150	Don't stay outside too long or play too hard. Sensitive people should avoid prolonged or heavy outdoor activities.
Red	151-200	It's best to stay indoors, but if you have to be outside, just relax and take it easy. Sensitive children and adults, and people with lung disease, such as asthma, should avoid heavy outdoor activities. Everyone else, especially children, should avoid prolonged or heavy outdoor activities.
Purple	201-300	Time to stay indoors. Sensitive children and adults, and people with lung disease, such as asthma, should avoid all outdoor activities. Everyone else, especially children, should avoid prolonged or heavy outdoor activities.



"The Right to Breathe" Signature Film Available on SCAQMD Web Site

On its web site, the South Coast Air Quality Management District offers the public the opportunity to view the agency's signature documentary film, "The Right to Breathe," that captures the air quality issues in Southern California from an emotionally powerful and personal perspective.

Produced by Cinema Vertige and directed by award-winning documentary filmmaker Alexandre Philippe, the 20-minute film is meant to make viewers aware of the serious health effects of air pollution while also inspiring them to take action to help improve our air. The film focuses on the burden of air pollution on Southern California residents -- especially those who live in low-income, minority communities close to sources of pollution. Individuals like USC student Otana Jakpor tell their stories of life in a region with the worst air quality in the nation.

"The other day," she recalled, "it had just rained and I was walking to class and I noticed I could see the mountains; I didn't realize you could see the mountains from where I was and I had been there for months.

So if you grow up around here, you're used to smoggy days and you're used to everything being like this and you might not necessarily realize it shouldn't be like this."

The film was recently screened for the entire student body of approximately 225 students at Resurrection School in Boyle Heights. The screening had a special significance since students were interviewed for the film. When the production crew visited the school, students were asked to create a drawing representing the impact of air pollution on their community. Some of the students' artwork was used in the film.

And this is just one of many powerful narratives shared in this documentary film on air quality viewed from a personal and human perspective. Other stories include those of a community activist, a doctor at a children's clinic, an inner-city priest and a mayor. Together, they weave an emotionally powerful experience for viewers, making them aware of the serious health effects of air pollution while also giving them reasons to expect that air quality will improve in the future.

Information on the website provides information on the film and what individuals can do to help improve the Southland's air quality. The website will also include five short, region-specific videos featuring SCAQMD Governing Board members.

For more information, contact Sam Atwood, at (909)396-3687 or satwood@aqmd.gov



The following proposed amended rules and regulations are tentatively scheduled for hearings at upcoming Governing Board meetings. To verify whether scheduling changes have occurred, visit the SCAQMD website at www.aqmd.gov/hb/gb_cal95.html and check the Rules and Control Measure item on the Governing Board meeting agenda or call the Clerk of the Board's Office at (909) 396-2500.

Copies of SCAQMD rules and regulations can be downloaded from the website at www.aqmd.gov/rulesreg.html or provided by AQMD's Public Information Center, (909) 396-2039.

April

Reg. IX - Standards for Performance for New Stationary Sources

Periodic amendments to Regulation IX incorporate new or amended standards by reference that were approved during the prior calendar year.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

Rule 218.1 - Continuous Emission Monitoring Performance Specifications

Rule amendments to 218.1 may be necessary to streamline equipment calibration provisions of the rule.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

Rule 1177 - Liquid Petroleum Gas Transfer and Dispensing

Proposed Rule 1177 will establish controls for transfer and dispensing of liquefied propane gas.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

May

Reg. III - Fees

Proposed amendments to the fee rules may be necessary to implement FY 2011-12 AQMD Budget.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

Rule 1107 - Coating of Metal Parts and Products

Proposed Amendments to Rule 1107 would further reduce VOC emissions and improve rule clarity and enforceability.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

Rule 1110.2 - Emissions from Gaseous- and Liquid-Fueled Engines

Proposed amendments to Rule 1110.2 are proposed to address the impacts of contaminants in biogas used to fuel power generators at landfills and municipal waste facilities. The amendments may result in a delay or loss of emissions reductions.

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

June

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

Staff will evaluate currently permitted equipment with very low emissions and consider incorporating them into the Rule 222 Filing Program. In addition, staff will evaluate other equipment currently exempt from permits, but subject to source-specific rules, for inclusion into the Rule 222 Filing Program.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

Rule 1123 - Pilot Program for Refinery Start-up, Shutdown and Turnaround Procedures

Proposed Rule 1123 would implement 2007 AQMP Control Measure MCS-06 by identifying improved operating procedures and best management practices to reduce emissions from start-up, shutdown and turnaround operations.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

July

Rule 1114 - Control of Emissions from Refinery Coking Operations

Proposed Rule 1114 will establish emission limits and other requirements for the operation of coking units at petroleum refineries.

For more information, contact Naveen Berry at (909) 396-2363 or nberry@aqmd.gov.

Did You Know?

That SCAQMD's Clean Air Choice program is an initiative to help Southland residents easily identify vehicles that emit less smog-forming emissions than the average new car available today? Under the program, participating auto dealers prominently post a colorful Clean Air Choice label on a select list of new vehicles that are among the lowest-polluting models in the world, certified by the California Air Resources Board (CARB) as either Super Ultra Low-Emission Vehicles (SULEVs), Partial Zero Emission Vehicles (PZEVs), or Advanced Technology - Partial Zero Emission Vehicles (AT-PZEVs). Clean Air Choice vehicles will emit only about two pounds of hydrocarbons over 100,000 miles of driving - equivalent to that from spilling a pint of gasoline. In comparison, a new 1965 car emitted about 2,000 pounds of hydrocarbons when driven 100,000 miles. An updated list of 2012 Clean Air Choice vehicles is available at www.cleanairchoices.org.



Clean Air PEOPLE

Meet the diversely talented staff at the SCAQMD

New to SCAQMD, Megan Lorenz started working as a Deputy District Counsel II in July 2011. Having developed an interest in environmental law while attending law school, Megan decided to seek employment at the District to help further its mission of protecting the public health from air pollution.

Megan earned her Bachelor of Arts Degree in Communications from the University of California, Los Angeles (UCLA), before attending Boalt Hall School of Law at University of California, Berkley, where she earned her law degree. She then served as a law clerk for the Supreme Court of Texas before joining the global law firm Latham and Watkins LLP, in their downtown Los Angeles

office. While there, she represented clients in environmental and land use matters.

She currently represents SCAQMD in various lawsuits concerning the District's regulatory authority. "During my first six months here at the District, I've learned so much about the agency while handling a very wide variety of interesting and challenging assignments," Megan said. Her future goal is to continue learning as much as she can about environmental law and the District's environmental policies.

Megan was born and raised in Torrance, where she enjoyed the South Bay beaches and the relaxed lifestyle. Last year, Megan married another attorney, Roger, who is also from



Megan Lorenz

SCAQMD
Advisor

Southern California. They recently moved into a craftsman home in Pasadena and adopted a German Shepherd puppy, Piper, from a local city animal shelter. They enjoy watching her get into all sorts of mischief, although Piper is helpful in introducing Megan and Roger to their new neighbors.

Megan enjoys international travel, especially trying new foods and meeting people of different cultures. In recent years she has visited South Africa, China, Japan, Argentina, Peru, Honduras, and Western Europe.



Michael Krause

Born and raised in Philadelphia, Michael Krause was influenced and encouraged to become an engineer by his late father, also an engineer. Within a year after earning a Bachelor of Science degree in Petroleum Engineering from the Colorado School of Mines, he moved to Southern California, and

began working for an environmental engineering company. He started at SCAQMD in 1991 as an Air Quality Engineer in Engineering and Compliance, and then beginning in 1996 spent 14 years as an Air Quality Specialist in the CEQA team.

For the past two years Michael Krause has been a Program Supervisor for the CEQA team in Planning, Rule Development and Area Sources. He currently works on the 2012 Air Quality Management Plan, where he is responsible for organizing the document, compiling control measures, retrieving necessary technical information, responding to stakeholder inquiries, coordinating mandatory meetings and providing information to the public.

"I believe in working hard while maintaining a sense of humor and open communication. Also, the power of compliments can go a long way in developing positive, healthy working relationships," Michael explains.

Michael has lived in a mid-rise West Hollywood condo in a high density neighborhood for over a decade. He does a lot of walking and biking to reduce his small carbon footprint and also vanpools to work. He has driven a first generation clean hybrid vehicle for the past ten years. His clean air passion is rooted in his love for the outdoors that likely began when he was a Boy Scout in his youth. As a non-native, he advises, "Don't ignore the beauty of California even though I have lived here over two dozen years, I'm always discovering some new place to explore and enjoy, whether summiting Mt. Whitney, camping in Yosemite, playing on Catalina Island or biking around Coronado."

But his travels are not limited to California. For Michael, the world is his classroom, as he has traveled around the world making a point to support local economies while exploring exotic locales such as Russia, Australia, Mexico, Argentina, Tanzania, Egypt, Peru, Turkey, and Greece.



Bruce Jacobson

Bruce Jacobson began as the SCAQMD's Building Maintenance Manager nearly a year ago, in April 2011. He brought a long history of experience working in the facility maintenance industry with him, having been employed in it since 1974. Bruce says he's already enjoyed his time here, and hopes for

it to last at least the next decade. Very pleased to have such "a great staff" in the Building Maintenance unit, Bruce has also found a wide range of other staff at the SCAQMD who are both outgoing and supportive of him.

He started as a hod carrier for a plastering contractor, and worked his way up to project manager. He then became Facilities Maintenance Manager for Downey Savings where he was in charge of 49 branches statewide and 18 shopping centers in Arizona, Colorado, and California. He left there to start his own general contracting firm, but "after two recessions and long hours I was offered a position with the City of Yorba Linda with steady employment and benefits, where I stayed for 14 years," he said.

In 2008, Bruce became the City of Pomona's Building Maintenance Manger before joining SCAQMD. Bruce said that having an opportunity to more effectively utilize his knowledge and experience was one of things that motivated him to assume the responsibility to oversee the maintenance of SCAQMD'S 21-year-old Diamond Bar headquarters.

Born in Huron, South Dakota, he moved to California when he was in 5th grade, growing up in Bellflower. Bruce has three adult children and eight grandchildren. He enjoys doing most anything outdoors, such as fishing in fresh and/or salt water. "I also follow NASCAR spring to winter, then football, to finish my sports season," he said. Bruce is currently working on getting a degree in Public Administration at Fullerton College, but he fills a lot of time at home with his two Labrador Retrievers, Cocoa and Marley.



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

PRSR STD
US Postage
PAID
City of Industry, CA
Permit No. 4472

Address Service Requested



Briefly...

Rule Compliance Promotion Classes

Rule 403 – Controlling Dust in the South Coast Air Basin

- Every third Wednesday of the month.

This half day-class is held at SCAQMD's Diamond Bar Headquarters from 8:30 a.m. to 11:30 a.m. There is no fee, but pre-registration is required. Class and registration information is available at www.aqmd.gov under: Dust Control in the South Coast Air Basin (Rule 403).

To register, call toll free 1-866-861-DUST (3878) or email dustcontrol@aqmd.gov.

Rule 403 & 401.1 – Controlling Dust in the Coachella Valley

- Every third Thursday of the month.

This course is held from 1:00 p.m. to 4:30 p.m. at the Coachella Valley Association of Governments, Room 119, 73-710 Fred Waring Dr., Palm Desert, CA, 92260. There is no fee, but pre-registration is required. Class and registration information is available at www.aqmd.gov under: Dust Control in the Coachella Valley (Rule 403 & 403.1).

To register, call toll free 1-866-861-DUST (3878) or email: dustcontrol@aqmd.gov.

Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities

- March 14
- April 18
- May 16
- June 6

Classes are held from 8:00 a.m. – 1:00 p.m. at SCAQMD Diamond Bar Headquarters. Registration fee is \$75.68 per person and pre-registration is required. Class and registration information is available at www.aqmd.gov under: Mandatory Rule 1469 Hexavalent Chromium Training Certification.

To register, call (909) 396-2658 or email: doswald@aqmd.gov.

Rule 1469 - Hexavalent Chromium Training Certification

- March 22
- April 26
- May 24 (Spanish)

This half-day class meets in the afternoon at AQMD Headquarters from 1:00 pm to 4:30 pm. Pre-registration is required for this training. The class fee is \$30.04 per person. Class information and registration forms are available at www.aqmd.gov under: Mandatory Rule 1469 Hexavalent Chromium Training Certification

To register call (909) 396-2658 or e-mail at doswald@aqmd.gov.

Rule 2202 – Employee Transportation Coordinator Training

- March 8, SCAQMD Headquarters, Diamond Bar
- March 21, Foothill Transit, West Covina
- April 4, SCAQMD Headquarters, Diamond Bar
- April 18, State of California - California Tower, Riverside
- May 9, SCAQMD Headquarters, Diamond Bar
- May 24, Courtyard by Marriott, Burbank
- May 31, University of California, Irvine (UCI) University Club
- June 14, SCAQMD Headquarters, Diamond Bar
- June 28, Los Angeles County Metropolitan Transportation Authority, Los Angeles

Classes are held from 8:00 AM to 5:00 PM each day. Enrollment is limited to 20 students. Classes will be filled on a "first-come, first-served" basis. Pre-registration is required.

Enrollment fee is \$156.98 per person. Class and registration information is available at www.aqmd.gov under: Rule 2202 Employee Transportation Coordinator (ETC) Training

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

SCAQMD Advisor

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