



SCAQMD

*Cleaning
the air
that we
breathe...*

ADVISOR

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Green Gardener Initiative Demonstrates Commercial Electric Lawn Equipment

By Whitney DeShay, Student Intern

After successfully replacing over 50,000 residential gasoline lawnmowers with battery electric lawnmowers, SCAQMD is now trying to echo that achievement with commercial lawnmowers.

SCAQMD's Green Gardener Initiative seeks to demonstrate the capabilities of newly available commercial electric lawn equipment. SCAQMD has purchased four commercial lawnmowers consisting of two walk-behinds and two 60" zero turn mowers, with plans to purchase more. These commercial mowers have been part of a demonstration loaner program to cities and non-profit organizations within the South Coast Air Basin for several months. The hope is that more cities and organizations will recognize the

benefits of this equipment as the market for commercial electric equipment expands.

Besides being extremely quiet, electric commercial lawn mowers use little electricity, provide sizeable fuel savings, and most importantly have zero emissions. Cities interested in purchasing commercial electric riding lawnmowers are allowed to use AB 2766 funds to help with the cost.

The AB 2766 Funding Program provides funds to cities and counties in the region to spend on efforts to reduce motor vehicle air pollution.

For more information on the Green Gardener Initiative, contact Aaron Katzenstein at ak Katzenstein@aqmd.gov or (909) 396-2219.



Study Finds Adverse Health Effects Near San Bernardino Railyard

By Chase Arthur, Student Intern

Scientists from Loma Linda University, in collaboration with the Center for Community Advocacy and Environmental Justice, recently conducted the Environmental Railyard Research Impacting Community Health (ENRRICH) Project. The study, funded through the BP/SCAQMD Public Benefits Program, focused on gathering information on the health of residents living near the railyard in the City of San Bernardino, a major hub of goods movement across the nation.

The study compared the health of students attending a school near the railyard to the health of students attending a school further away. An adult household health survey (looking at respiratory symptoms and lung function) and a cancer assessment were also performed during the study.

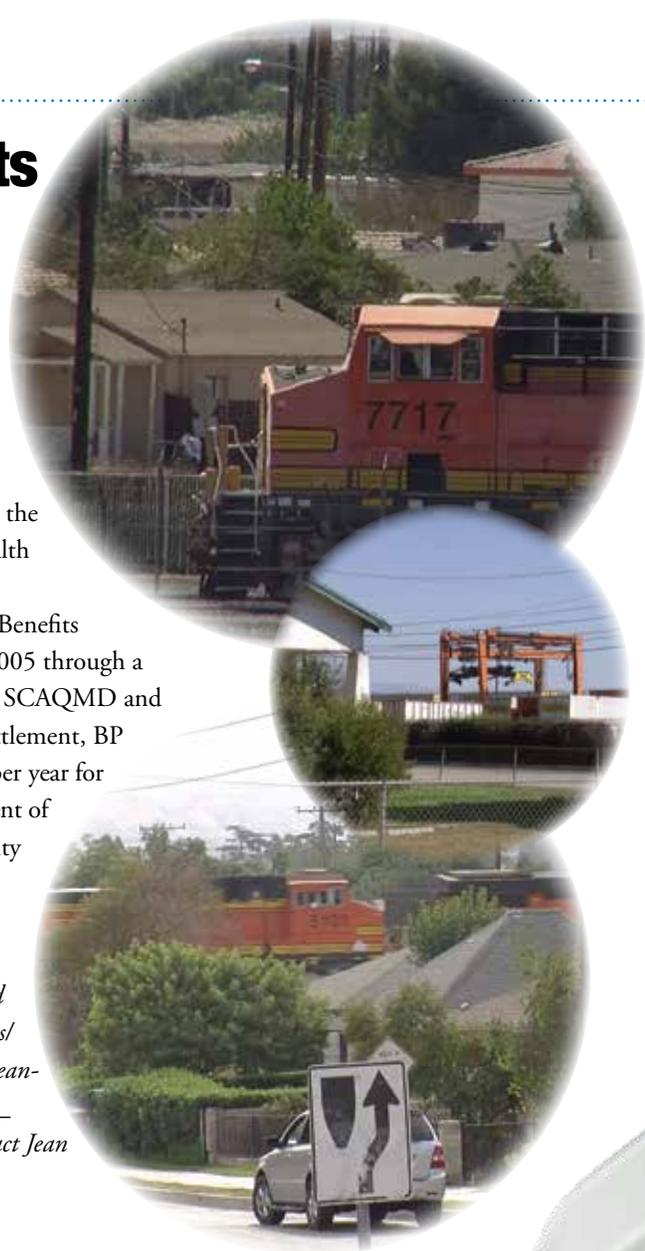
The study found elevations of adverse respiratory health impacts among those living or attending school near the San Bernardino railyard. The results also found that health impacts were more pronounced among children than adults.

The study was initiated after the California Air Resources Board found that the 168-acre

Burlington Northern Santa Fe Railway facility posed the greatest cancer risk of any railyard in the state, and that diesel emissions from trains, trucks and other equipment at the railyard posed a significant health risk to nearby residents.

The BP/SCAQMD Public Benefits Program is a fund created in 2005 through a settlement agreement between SCAQMD and BP. In accordance with the settlement, BP agreed to commit \$3 million per year for ten years, for a total commitment of \$30 million, to fund community benefit programs.

For more information about the ENRRICH project, you can find the final report at aqmd.gov/docs/default-source/clean-air-plans/clean-communities-plan/enrich_final_report_29may2014.pdf or contact Jean Ospital at (909) 396-2582.

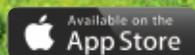


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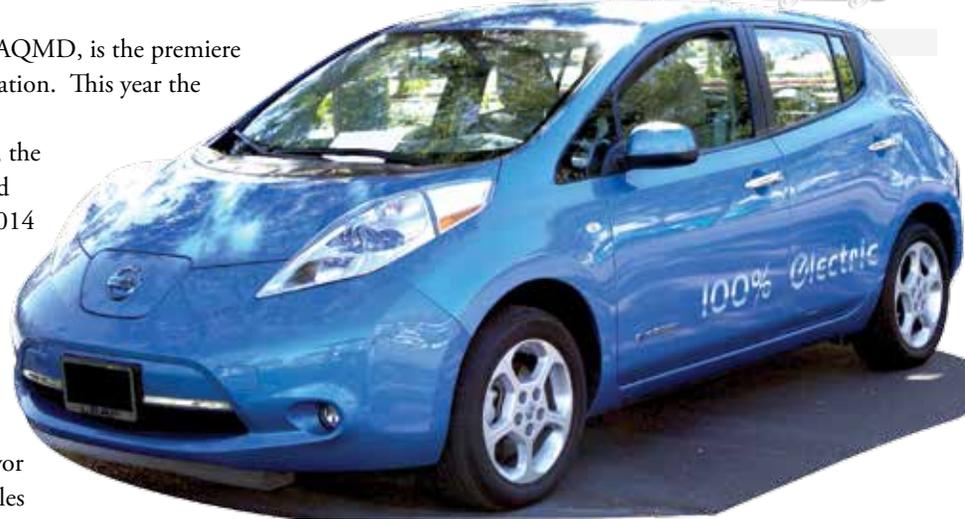
Plug-In Electric Vehicle Conference Focuses on Getting More Plug-Ins on the Road

By Whitney DeShay, Student Intern

The Plug-In 2014 conference, co-sponsored by SCAQMD, is the premiere plug-in electric vehicle (PEV) conference in the nation. This year the conference was held July 28-30 in San Jose, CA.

Organized by the Electric Power Research Institute, the conference highlighted the newest PEVs with enhanced performance and breakthrough technology. Plug-In 2014 provided those in the electric vehicle industry the opportunity to debate, discuss, and move forward on key policy, technology, and market issues important to the long-term success of electric vehicles.

Among the discussions was a panel that focused on the impacts of new vehicle and infrastructure technologies, which featured Rolling Hills Estates Mayor Judith Mitchell, who represents the Cities of Los Angeles County, Western Region, on the SCAQMD Governing Board.



For more information on Plug-In 2014, contact Lourdes Cordova Martinez at lcmartinez@aqmd.gov or call (909) 394-3214 or visit plugin2014.com.

Santa Monica to Host 9th Annual AltCar Expo

By Kailah Byrd, Student Intern

Major automakers will feature their latest alternative fuel vehicles this month at the 9th Annual City of Santa Monica AltCar Expo and Conference. The two-day event, to be held at the Santa Monica Civic Auditorium on September 19th and 20th, will feature an industry and fleet conference on Friday and speakers for the public on Saturday.

The AltCar Expo is the largest collection of alternative fuel vehicles and technologies in one place. Most of them are available to test drive and many of them can be purchased during the event. Ride & Drive opportunities will be available on both days.

There is no charge to attend, but there is a \$10 parking fee if you choose to use the Civic Auditorium parking lot. Pre-registration via altcarexpo.com is encouraged for fast entry into the AltCar Expo and Conference.



Clean Air Awards to be Held October 3rd

By Paige Montojo, Student Intern

SCAQMD will host its 26th Annual Clean Air Awards luncheon on Friday, October 3rd at the Millennium Biltmore Hotel in Downtown Los Angeles. This premier event presents awards to individuals, businesses, organizations and government entities that demonstrate a commitment to air quality improvement.

Recipients will be recognized for advancement of air pollution technology, model community achievements, innovative transportation projects, efforts to educate the public on air quality issues, and promoting good environmental stewardship. The awards are meant not only to honor those who have made outstanding efforts toward clean air, but to encourage others to implement clean air practices within their communities and strive to make air quality improvement a priority.

Tickets are \$40 each, and a table of ten costs \$400. Visit CleanAirAwards.com to purchase tickets.





SCAQMD Awarded \$10 Million Federal Grant for Goods Movement Technologies

By Daniel Soto, Student Intern

The U.S. Department of Energy (DOE) has conditionally selected SCAQMD for a \$10 million grant for two heavy-duty truck development and demonstration projects through DOE's Zero Emission Cargo Transport (ZECT) grant program. The final award is expected by the end of September. The program supports projects designed to accelerate the adoption of zero-emission electric transportation technologies into the cargo transport sector, and seeks to reduce petroleum use, greenhouse gas emissions, criteria pollutants, and toxics emissions.

The projects will demonstrate zero-emission transport technologies near the Ports of Los Angeles and Long Beach, and spur further deployment of the technology throughout the region.

The demonstration projects will include the transport of shipping containers with all-electric range and zero-emissions using hydrogen and electricity as fuels. The projects seek to accelerate the introduction and penetration of fuel cell, electric and hybrid truck technologies into the cargo transport sector, which would substantially reduce petroleum consumption and greenhouse gases and improve the health of Southern California residents by reducing harmful diesel particulate and nitrogen oxides emissions.

For more information on the award, contact Joseph Impullitti at jimpullitti@aqmd.gov or at (909) 396-2025.

Orders of Abatement Halt Exide Operations Pending Compliance

By Paige Montojo, Student Intern



At a community hearing on July 10th, the SCAQMD Hearing Board approved two orders of abatement for Exide Technologies, a battery recycling facility in the City of Vernon. These orders of abatement require the plant to halt all operations until it can comply with the terms of the orders.

The SCAQMD Hearing Board is an independent quasi-judicial panel of appointed individuals who hear petitions for variances, abatement orders, and appeals.

Exide's secondary lead smelting facility recovers lead from recycled automotive batteries. In operation since 1922, it recycles 23,000 to 41,000 batteries every day. The facility is subject to many SCAQMD rules and permit conditions to ensure that it is operated in compliance with applicable air pollution requirements. The facility has been under intense scrutiny by SCAQMD during the past year, undergoing inspections, source tests, ambient monitoring, additional rule and permit requirements, and several Hearing Board cases, in an effort to reduce toxic emissions and the greater health risk posed by those emissions.

One of the terms in the orders of abatement calls for the implementation of a control plan for lead dust. The control plan will be overseen by a third party environmental consultant chosen by SCAQMD at Exide's expense.

Other terms in the Hearing Board's orders include executing all provisions and mitigation efforts outlined in the Risk Reduction Plan as well as reassessing health risks after pollution controls are in effect.

Exide has also agreed to drop its lawsuit against SCAQMD that challenges the validity of SCAQMD Rule 1420.1. However, SCAQMD's lawsuit against Exide is still expected to proceed in Los Angeles Superior Court, calling on Exide to pay \$40 million in civil penalties for air pollution violations.

SCAQMD Rule 1420.1 was adopted in November 2010 and applies to large lead-acid battery recycling facilities that have processed more than 50,000 tons of lead a year. In January, the SCAQMD Governing Board amended Rule 1420.1 to require these facilities to reduce arsenic emissions and other key toxic air contaminant emissions. Exide's facility is currently one of just two facilities in the South Coast Air Basin subject to this rule.

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

30 Years of California's Smog Check Program

By Metzli Mejia, Student Intern

Among the largest contributors to air pollution in California are mobile sources. Although California continues to struggle to meet federal health standards for ozone pollution, air quality has vastly improved since 1984 when the Bureau of Automotive Repair took a huge step toward reducing mobile source air pollution. Thirty years ago California implemented the Smog Check Program to regulate and decrease the amount of air pollution emitted in California. The program inspects the level of pollutants emitted by vehicles and identifies, then repairs or retires high-polluting cars.

Originally enacted in 1982, the law went into effect in March 1984. It has since been modified and refined several times, including in 2010 when the program began phasing out tailpipe testing and instead utilized the vehicle's own emissions monitoring systems (as part of the vehicle's on-board diagnostics systems) to evaluate emissions.

According to the Bureau of Automotive Repair's website, the Smog Check Program inspects about 10

million vehicles every year and reduces pollutants by 400 tons each year. Over the past 30 years, in conjunction with cleaner engines, California's Smog Check Program has helped improve the Golden State's air quality. A report released by the Environment California Research and Policy Center reveals a drop in nitrogen oxides and volatile organic compounds emissions from 5,000 tons/day to 1,000 ton/day since 1975.

After 30 years, the Smog Check Program continues to improve and strive towards reducing air pollution. The STAR Program was recently implemented into the Smog Check Program to assist vehicles with exceptionally high emission levels most at risk of failing the test. Through this program, the Bureau of Automotive Repair evaluates and certifies stations and inspectors that meet the STAR Program requirements and performance standards. By focusing more on higher polluting cars, the STAR Program continues to improve air quality in California.

**LOOK
BACK...
30 YEARS** **1984**

Cleaning the air that we breathe...

Leaf Blower Exchange to Return Later This Year

By Kailah Byrd, Student Intern

This fall, SCAQMD will sponsor its 8th annual Leaf Blower Exchange Program. The program offers commercial landscapers and gardeners operating within the South Coast Air Basin the opportunity to trade in their old, noisy, high-polluting backpack leaf blowers for new low-emission/low-noise models at a discounted price. All old leaf blowers retired through the program are scrapped and recycled.

Since the program began in 2006, SCAQMD has scrapped more than 10,000 old polluting leaf blowers, reducing the emission of smog-forming pollutants by 88,282 pounds per year in the Southland. Visit aqmd.gov/sign-up, to be notified when the 2014 Leaf Blower Exchange Program's registration opens to the public.



Save The Date

South Coast Air Quality Management District *presents*

Environmental Justice For All:

A Conversation with the Community

**Thursday,
November 13, 2014**

9:00 a.m. - 4:00 p.m.

California State University, Los Angeles
5151 State University Drive
Los Angeles, CA 90032

(Transit access via Metro Silver Line)

Visit

[aqmd.gov/
ejconversation](http://aqmd.gov/ejconversation)
to register



RuleUpdate

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 aqmd.gov/home/library/meeting-agendas-minutes 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 aqmd.gov/home/regulations or obtained from SCAQMD's Public Information Center at (909) 396-2039.

October

Rule 415 – Odors from Rendering Plants

Proposed Rule 415 will address odors from rendering plants.
For more information contact Phil Fine at pfine@aqmd.gov or (909) 396-2239.

Rule 1531.1 – Emissions of Oxides of Nitrogen from Commercial Food Ovens

Proposed Rule 1153.1 will establish equipment-specific nitrogen oxides emission limits and other requirements for the operation of commercial food ovens.
For more information contact Joe Cassmassi at jcassmassi@aqmd.gov or (909) 396-3155.

Rule 1161 - VOC Reductions from Mold Release Agents

This proposed rule will establish requirements for mold release products used in composite, fiberglass, metal and plastic manufacturing, and concrete stamping operations.
For more information contact Naveen Berry at nberry@aqmd.gov or (909) 396-2363.

Regulation IX & X - Standards of Performance for New Stationary Sources (NSPS)

National Emissions Standards for Hazardous Air Pollutants (NESHAPS)
The proposed amendments will incorporate, by reference, the latest federal revisions.
For more information, contact Naveen Berry at nberry@aqmd.gov or (909) 396-2363.

Regulation XX – Regional Clean Air Incentives Market

Proposed amendments to Regulation XX will seek to implement a minimum contingency measure, CMB-01 of the 2012 AQMP, and possibly Phase II of the control measure if the technology assessment can be completed within the allotted time for this rulemaking.
For more information contact Joe Cassmassi at jcassmassi@aqmd.gov or (909) 396-3155.

November

Rule 1188 – VOC Reductions from Vacuum Trucks

The proposed rule will establish VOC emission standards and other requirements associated with the operation of vacuum trucks not covered by Rule 1149 – Storage Tank and Pipeline Cleaning and Degassing.
For more information, contact Naveen Berry at nberry@aqmd.gov or (909) 396-2363.

Rule 1401 – New Source Review of Toxic Air Contaminants

Rule 1402 – Control of Toxic Air Contaminants

Amendments to Rules 1401 and 1402 will address new or revised toxic air contaminants that have been approved by OEHHA.
For more information contact Susan Nakamura at snakamura@aqmd.gov or (909) 396-3105.

Rule 2305 – Indirect Sources

Proposed Rule 2305 will identify approaches to reduce exposure to diesel particulate emissions and localized NO₂ emissions from facilities associated with large indirect sources (i.e. facilities that attract mobile sources).
For more information contact Susan Nakamura at snakamura@aqmd.gov or (909) 396-3105.

Rule 4001 – Backstop to Ensure AQMP Emission Reduction Targets are Met at Marine Ports

If triggered, the proposed rule will address cost-effective NO_x, SO_x, and PM_{2.5} emission reduction strategies from port-related sources to ensure that emission reductions claimed or emission targets assumed in the 2012 AQMP for the 24-hour PM_{2.5} standard are maintained.
For more information contact Randall Pasek at rpasek@aqmd.gov or (909) 396-2251.

SCAQMD Summer Interns Learn by Doing

By Lucy Lu, Student Intern



SCAQMD's 2014 Governing Board Interns

Each summer, SCAQMD Governing Board members select students from various backgrounds to participate in an annual summer internship program. This summer, 37 student interns participated in the program and were introduced to the region's air agency through several orientation presentations. They were also given a tour of the facilities which included visiting the laboratory and checking out some clean air vehicles from the SCAQMD fleet.

CLEAN AIR People

Communications Center

By Lucy Lu, Student Intern



All phone calls directed to SCAQMD's main line (909) 396-2000, the 1-800-CUT SMOG number, the 1-800-876-3666 Spanish complaint line, and even when internal staff dial 0, go through one capable unit – The Communications Center. The Communications Center staffers, also known as Radio Telephone Operators, are the eyes and ears for SCAQMD during normal business hours and even during the off hours, including Mondays, when SCAQMD is closed.

Communications staff have many roles, from answering the District's toll-free specialty numbers and operating the Public Information Center, to handling general calls and public complaints about air quality issues such as dust, odors, excessively smoking vehicles and wildfires.

A unit of SCAQMD's Legislative and Public Affairs Office (LPA), the Communications Center staff also update the LPA website and communicate with inspectors and supervisors who are out in the field during off hours. Communications

Center staff also represent SCAQMD at public outreach events. The unit's Supervisor, Denny Shaw, explains that public outreach is his favorite task. "I love interacting with the public. Whenever we have an opportunity to do outside events, I enjoy the opportunity to exchange and provide information about who we are and the important job that we do here at SCAQMD every day."

Although the Communications Center performs many tasks, much has changed over the years. Before the internet was available to provide air quality information, operators had to manually send air quality information over a radio to special receivers to alert businesses and schools to the day's air quality. Nowadays, while calls currently average over 5,000 monthly, there have been months when they exceed 12,000, most recently during the Ridgeline incident when an old refinery storage tank began to leak and emit strong odors into the local community.

Karlynn Zeno, who has worked as an SCAQMD Radio and Telephone Operator for

27 years, and is the longest serving member in the seven-person unit, said "it is important for us to hear the voices of the public; to understand their concerns." She added that "even though a caller may not have a technical background, we provide the bridge between the person making a complaint and the District."

The Communications Center staff have to be familiar with most of the activities happening at SCAQMD so "we know who to send a call to in order for the person to receive the information they're looking for," said Zeno.

The most significant change in the Communications Center is that they no longer have a base station or use a two-way radio to communicate with field inspectors. Even though technology has provided a more seamless method than what was used in the past, the Communications unit still has its finger on the pulse on providing excellent service to all callers.

Each intern was assigned to a supervisor in one of SCAQMD's departments to work on assorted jobs, such as reviewing planning bills to managing the agency's website.

"During my internship, I worked on several research assignments on current sustainable practices and policies in the South Coast Basin. I also learned a lot about municipal services and utility infrastructure," said Paige Montojo, a junior at Cal Poly Pomona. Montojo, who is studying Urban and Regional Planning, she spent her summer working in the Legislative and Public Affairs Department.

Stephen Chen, a graduate student from the University of California, Irvine with a Bachelor's Degree in Earth and Environmental Science, worked in Planning, Rule Development and Area Sources reviewing reports. He explained this work focused mostly on "weatherized homes in the Coachella Valley by reviewing a lot of inspection reports and using GIS to create maps of these homes. I feel that the work I do is helping progress the project and mitigating environmental pollutants."

During the summer the interns also toured various facilities that work closely with SCAQMD and heard from some interesting speakers. From a tour of the Port of Los Angeles, to seeing the inner

workings of the Olinda Landfill, the interns were able to better understand the sources of air emissions in the region and see the types of efforts used to reduce air pollution and comply with SCAQMD rules. Speakers such as Cris Liban, Deputy Executive Officer for Environmental Compliance at Los Angeles County Metropolitan Transportation Authority, and the UCLA Breathmobile staff, offered insight that helped the students better understand the interaction between transportation and air quality and health.

"My favorite part of my internship was going on the tours and presentations because it was interesting to hear from people that worked with the agency about the different aspects and about what they did on a daily basis. That got me thinking about how SCAQMD affects the community and how corporations and other businesses' choices affect the air," said James English, a junior at Diamond Bar High School who worked in Information Management.

Through these valuable hands-on and visual experiences, the student interns were able to learn new skills and knowledge that will help benefit them and the environment.



South Coast Air Quality Management District

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Briefly...

Rule Compliance Training Classes

Rule 403 – Dust Control in the South Coast Air Basin Training

• Every third Wednesday of the month.
This 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. No walk-in registrations. Visit aqmd.gov/home/programs/business/training-403-403-1-fugitive-dust (and click on "south coast") for class and registration information.

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

Rule 403 & 401.1 – Dust Control in the Coachella Valley Training

• 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 115, 73-710 Fred Waring Dr., Palm Desert, CA, 92260. There is no fee, but pre-registration is required. No walk-in registrations. Visit aqmd.gov/home/programs/business/training-403-403-1-fugitive-dust (and click on "coachella valley") for class and registration information.

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

Rule 461 – Gasoline Transfer and Dispensing Compliance Training

Daily Self-Inspection Class for Gasoline Service Station Owners/Operators - \$147.55 per person.

• November 14, 2014
Annual Periodic Inspection Class for Gasoline Service Station Owners/Operators - \$161.49 per person.

• November 21, 2014
Tester Orientation Training - \$153.52 per person.
• October 31, 2014
Classes are held from 8:30 a.m. to 5:00 p.m. at SCAQMD's Diamond Bar Headquarters. Pre-registration is required. No walk-in registrations. Visit aqmd.gov/home/regulations/compliance/gasoline-dispensing2/rule-461-classes for class and registration information.

Contact Yvonne Hoo at yhoo@aqmd.gov or (909) 396-2387 for additional information and to register.

Rules 1146, 1146.1 & 1110.2 – Combustion Gas Portable Analyzer Training & Certification

• September 11, 2014
Classes are held from 8:30 a.m. to 12:30 p.m. at SCAQMD's Diamond Bar Headquarters. There is no fee. Pre-registration is required. No walk-in registrations. Visit aqmd.gov/home/programs/business/training-gas-portable-analyzer for class and registration information.

Contact Nancy Leone at nleone@aqmd.gov or (909) 396-2392 for additional information and to register.

Rule 1403 – Asbestos Demolition and Renovation Compliance Training

• September 17, 2014
• November 13, 2014
• December 10, 2014
Classes are held from 8:00 a.m. to 1:00 p.m. at SCAQMD's

Diamond Bar Headquarters (Room CC6). Registration fee is \$80.32 per person and pre-registration is required. No walk-in registrations. Visit aqmd.gov/home/programs/business/training-1403-asbestos-demolition for class and registration information.

Contact Jennifer De La Loza at jdelaLoza@aqmd.gov or (909) 396-2658 for additional information and to register.

Rule 2202 - Employee Transportation Coordinator (ETC) Training

• September 11, SCAQMD Headquarters, Diamond Bar
• September 24, University of California, Irvine
• October 8, SCAQMD Headquarters, Diamond Bar
• October 22, Ashley Furniture, Colton
• November 6, Courtyard by Marriott, Culver City
• November 19, SCAQMD Headquarters, Diamond Bar
• December 11, SCAQMD Headquarters, Diamond Bar
Classes are held from 8:00 a.m. to 5:00 p.m. each day. Enrollment is limited to 18 students. Classes will be filled on a "first-come, first-served" basis. Pre-registration is required. No walk-in registrations. Enrollment fee is \$166.59 per person. Visit aqmd.gov/home/programs/business/training-2202-etc for class and registration information.

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

For additional information on Rule Compliance Training Classes visit SCAQMD's website at aqmd.gov/home/regulations/compliance (and click "Training Classes & Workshops.")

SCAQMD ADVISOR

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