



SCAQMD

*Cleaning
the air
that we
breathe...*

ADVISOR

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Portable Air Monitors Help Assess Air Quality During Wildfires

By Alegria Martinez, Student Intern

Historically, wildfire season in the South Coast Air Basin occurs during the spring and fall, concurrent with Santa Ana winds. However, drought and climate change have made “fire season” in California a year-round phenomenon.

To supplement data from SCAQMD’s permanent air monitoring network, and to assist in assessing air quality during wildfires, SCAQMD acquired six portable air monitoring instruments in 2008. These units, called Electronic Beta Attenuation Monitors (EBAMs), are typically deployed in pairs downwind of wildfires in areas of potential population exposure, such as a recent deployment to Big Bear during the Lake Fire. The instruments monitor fine particulate (PM_{2.5}) levels and provide hourly data to SCAQMD as well as to the public via the SCAQMD website. The EBAMs are used to gather PM_{2.5} measurements in areas potentially impacted by wildfire smoke, allowing SCAQMD to better forecast air quality and provide members of the public with information critical to protecting their health. SCAQMD shares the monitoring results with first responders such as county and city fire officials, and provides the results to the public on SCAQMD’s website and via e-mail alerts.

Residents can monitor daily air quality and get information on special advisories by visiting SCAQMD’s website at aqmd.gov or by signing up at AirAlerts.org to receive e-mail alerts.

For more information, contact Jason Low at jlow@aqmd.gov or at (909) 396-2269.





27th Annual Clean Air Awards

Tickets Available for October 2nd Clean Air Awards Luncheon

There is still time to purchase tickets to attend SCAQMD's 27th annual clean air awards luncheon. The event will honor clean air heroes at its 27th Annual Clean Air Awards Luncheon on Friday, October 2, 2015 at 11:30 a.m. at the Millennium Biltmore Hotel in Downtown Los Angeles.

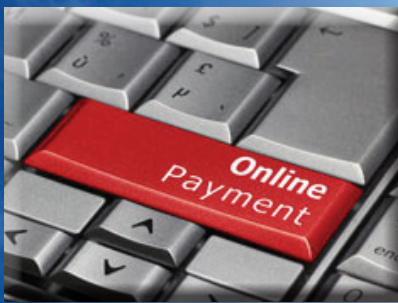
Each year, SCAQMD recognizes companies, organizations, government agencies, and individuals for their dedication to improving the region's air quality. Honorees are recognized under the categories of advancement of air pollution control technology, innovative transportation projects, model community achievement, public education on air quality issues, and the promotion of good environmental stewardship.

Tickets are \$40 per person or \$400 for a table of ten.

For more information call (909) 392-2432. To make reservations and/or payments please go to aqmd.gov/caa/home/event-info

Online Credit Card Payments Accepted for Permit Fees

By Lucy Lu, Student Intern



A new automated feature on SCAQMD's website enables companies and organizations to pay permit fees online with a credit card or an e-check.

In the past, application and permit fees could only be paid by a check physically mailed to the agency. Now permit applicants and permit-holders have the option of paying online with a credit card or an e-check using SCAQMD's new Permit Processing Fee Portal.

The new web feature offers two options that guide the viewer through the payment process. The first option calculates the total permit fees for entities that are unsure how much their permit fees will be, and then directs them to pay the correct amount. The second option allows people who know the exact amount of their fees to pay them directly.

Through the combined efforts of several departments (Engineering and Compliance, Information Management and Finance) this feature is now available. Senior Air Quality Engineering Manager Mohan Balagopalan, one of those who helped develop this program, said "This is a feature that has been requested quite a bit and so it's something that we want to offer. It's a first step towards automating the application process and going to full online submittal."

The online payment feature is now available for use at <https://xapprod.aqmd.gov/icafe/startcafe.aspx>.

5th Annual DRIVE ELECTRIC WEEK

Local Events Highlight Electric Vehicles

By Kayderim Cruz-Ramirez, Student Intern

SCAQMD will be hosting an event for National Drive Electric Week™ as part of a nationwide celebration to promote the benefits of driving electric vehicles (EVs). The event, to be held from noon to 4:00 p.m. on Saturday, September 12th at SCAQMD's Diamond Bar headquarters, will include displays and demonstrations of various EV models that are on the market, with charging stations available onsite for public use. In addition, the event will include informational booths, presentations, awards, and conclude with an EV parade.

National Drive Electric Week™ began in 2011 as National Plug-in Day. But by popular demand the event was expanded to an entire week. This year, during the week of September 12th to 20th, there will be 114 events held nationwide with several held in the South Coast Air Basin.

Besides the SCAQMD event, there will be other celebrations held in Long Beach, Torrance, Los Angeles and Palm Desert. Among them, on September 12, a coalition of environmental groups will host an event at Houghton Park in Long Beach. The City of Torrance will host its event at 9:00 a.m. on Saturday, September 12th behind the Katy Geissert Main Library featuring the unveiling of new public charging stations, an EV expo and displays from city departments. The City of Los Angeles will also host a Drive Electric event on Sunday, September 13th at Exposition Park from 11:00 a.m. to 3:00 p.m. This event will feature plug-in vehicle test drives, food trucks, give-aways, EV displays, and an electric tailgate party.

To close out the week, Santa Monica will host its 10th Annual ALTCAR Expo, on September 18th and 19th. Admission is free to the Expo and to hear Saturday's speakers. There also will be Ride & Drive opportunities on both days. The speakers on Friday are part of an Industry and Fleet Conference that requires pre-registration.

Visit driveelectricweek.org for more information on National Drive Electric Week™ and altcarexpo.com for more information on ALTCAR Expo.



CHECK BEFORE YOU BURN

“Check Before You Burn” Program Begins November 1st

By James English and Alegria Martinez, Student Interns

The “Check Before You Burn” program, now in its sixth year, helps Southern California meet local air quality goals by restricting wood-burning during the winter. From November 1st through February 29th, SCAQMD will issue a mandatory “no-burn” alert when unhealthy particulate matter (PM) levels are forecast.

No-burn alerts are issued one day in advance and last for 24 hours. A no-burn alert may affect the entire South Coast Air Basin or specific areas of Orange, Los Angeles, Riverside or San Bernardino counties.

No-burn alerts protect the health of the region's residents by reducing PM, a pollutant that can cause chronic cardiovascular issues and other health problems. Last fall and winter, SCAQMD issued “no-burn” alerts on 25 days signaling that residents could not burn wood in their fireplaces or outdoor fire pits on those days.

To receive an email when an alert is issued, sign up at airalerts.org. To determine if an alert is in effect, visit the interactive no-burn alert map at aqmd.gov or call the Check Before You Burn toll-free hotline at 866-966-3293.

MSRC Provides Transportation for Special Olympics

By Melissa Salmo, Student Intern

In July, the 2015 Special Olympics World Summer Games were held in Los Angeles. The Games featured 6,500 athletes with intellectual and cognitive disabilities representing 165 nations who competed in 25 Olympic-type sports.

This year, the Mobile Source Air Pollution Reduction Review Committee, also referred to as the MSRC, helped create a healthier environment for the athletes, coaches and visitors by contributing over \$380,000 in Clean Transportation Funding to the Special Olympics World Games Organizing Committee. The funds were used to operate 281 compressed natural gas (CNG) buses to transport athletes, staff, coaches, families, and volunteers. Thirty thousand volunteers participated, along with an estimated half-million spectators cheering on the athletes in what some have called the largest event in the region since the 1984 Olympic Games. The MSRC was glad to partner with Special Olympics to fund this cleaner transportation component.

The MSRC, created by the State of California in 1990, is tasked with administering 30 percent of the \$4 motor vehicle registration fee imposed on car registrations in the South Coast region. Those funds must be used to reduce air pollution from mobile sources.

Visit cleantransportationfunding.org for more information on the MSRC.

Statewide Survey Finds Wide Support for State's GHG Reduction Efforts

By Wilson Shao, Student Intern

A recent state-wide survey conducted by the Public Policy Institute of California (PPIC) found that 80 percent of Californians believe that global warming is a serious issue and nearly two-thirds believe it is a factor in the state's four-year long drought.

According to the survey, a large majority of Californians support the existing climate change law AB 32, which is designed to reduce California's greenhouse gas emissions to 1990 levels by 2020. SB 32 is a proposed law which goes even further and would reduce GHG emissions to 80 percent of 1990 levels by 2050. Almost four out of five Californians feel that global warming is a serious threat to California's future and quality of life.

The poll found that a large majority of Californians support Governor Brown's objectives for clean energy, clean air, and pollution reduction. Approximately 70 to 80 percent of voters favor more incentives and tax credits rewarded for purchasing more energy efficient products and services. In addition, 80 percent of Californians are concerned that global warming is contributing to the decreasing water supply and 50 percent of them believe there is not enough action being taken to address this problem.

The survey reported that 58 percent of Californians feel the most important environmental issue facing the state today is water supply or the drought, with air pollution a distant second at nine percent. Last year was the first year that air pollution was not the top issue and water or drought was first.

SmartPhone Apps on Air Quality Increasing

By Lucy Lu, Student Intern



As the age of technology advances, more and more people are using smartphones to easily access information. The development of air quality related applications is also increasing to reflect the growing interest that people have to know more about the air quality in their cities and to mitigate risks of adverse health impacts.

Leading the way in air quality application development is SCAQMD which in 2010 created the first app to inform the public about air quality. SCAQMD has a free smartphone app which not only provides real time air quality data, but also information on calculating your own carbon footprint, and where to access the nearest alternative fuel refueling or recharging stations.

There are now more air quality apps available including the Breezometer. This app, available in Israel and the U.S., uses algorithms to compute air quality from professional data sources and distribute the information to its users. The app provides the public with clear, concise and collective data that comes from professional air monitoring instruments.

Large organizations, such as the American Lung Association, are also developing apps that inform users about air quality, especially people who have asthma or respiratory disease. The State of the Air® app, developed by the American Lung Association, allows users to check real-time air quality as well as a day in advance in any location. In addition, the U.S. Environmental Protection Agency has created various apps that monitor not only air quality, but also hazardous weather conditions, satellite images, ultraviolet radiation levels, and environmental justice areas.

In countries with significant air quality issues, such as China, the importance of using air quality apps has been highlighted to the public. One of China's most popular apps, the China Air Quality Index, provides residents with an index that shows real time air pollution levels. The data comes from more than 1,800 monitoring stations in over 400 cities in China.

Air quality apps are becoming important instruments in the daily lives of smartphone users wanting to check air quality levels in their own cities.

To download the free SCAQMD app for iPhones and iPads visit the App Store on iTunes. To download the free SCAQMD app for Android smartphones, go to Google Play.

National Solar Home Competition to be Held in Irvine in October

For two consecutive weekends in October, teams representing 17 colleges and universities from across the nation will be competing in the U.S. Department of Energy Solar Decathlon. This event challenges collegiate teams to design, build, and operate solar-powered houses that are cost-effective, energy-efficient, and generate enough energy to charge and operate an electric vehicle.

SCAQMD will be sponsoring Team OC, the Southern California team comprised of more than 100 students from UC Irvine, Chapman College, Irvine Valley College and Saddleback College. Their house design, entitled Casa del Sol, will be a net zero-energy home inspired by the California Poppy. The winning house must excel in affordability, consumer appeal, and design excellence while optimizing energy production and maximizing energy efficiency. Open to the public free of charge, the Solar Decathlon gives visitors the opportunity to tour solar-powered houses, gather ideas to use in their own homes, and learn how energy-saving

features can help them save money today.

The first Solar Decathlon was held in 2002, and since 2005 the competition has occurred biennially.

This year's Solar Decathlon will be open to the public to view the homes from 11 a.m. to 7 p.m. at the Orange County Great Park in Irvine from Thursday, Oct. 8th to Sunday, Oct. 11th and from Thursday, Oct. 15th to Sunday, Oct. 18th.

Student teams spend nearly two years designing and building their houses. The competition places demands on the buildings' energy systems to keep the house within a certain

temperature range, to provide lighting, to run appliances, and much more.

The houses generate energy with solar electric photovoltaic systems that produce electricity and with solar thermal systems for heating water and for space heating and cooling.



Relay For Life Events Include SCAQMD Teams

By Kacie Short, Student Intern

Each year, more than four billion people from over 20 countries gather in teams to help fundraise and participate in the American Cancer Society's Relay for Life. Participants take turns walking or running on a track while their fellow team members cheer them on from the sidelines.

This year, SCAQMD teams participated in Relay for Life events in South Gate Park on July 18th and Rialto on August 22nd. Team members dressed alike in t-shirts reading "Fighting Air Pollution to Save Lives." According to SCAQMD team member Genette Prudhomme, a Senior Office Assistant in SCAQMD's Engineering & Compliance division, the event gave her insight about how so many different people are affected by cancer. "It was fun, and having my family with me made it a great experience," she said.

Since the ACS Relay for Life began in 1985, these annual Relay for Life events have raised roughly five billion dollars, averaging more than \$400 million per year.



Rule Update

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 Publications & Subscriptions at (909) 396-2039.

October

Rule 1106 – Marine Coatings Operations Rule 1106.1 – Pleasure Craft Coatings Operations

The proposed amendments will include any clarifications that may arise due to the compliance verification activities or manufacturer and public input, including the sales prohibition clause. For more information, contact Naveen Berry at nberry@aqmd.gov or (909) 396-2363.

Rule 1110.2 – Emissions from Gaseous and Liquid-Fueled Engines

The proposed amendments to Rule 1110.2 would potentially extend the compliance date for biogas used to fuel power generators at landfills and municipal waste facilities. The amendment would result in delayed emission reductions. For more information, contact Joe Cassmassi at jcassmassi@aqmd.gov or (909) 396-3155.

Rule 1430.1 – Control of Toxic Air Contaminants from Grinding Operations at Forging Facilities

Proposed Rule 1430.1 will establish emission reduction requirements to control toxic emissions from grinding operations at forging facilities. For more information, contact Susan Nakamura at snakamura@aqmd.gov or (909) 396-3105.

Reg. 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 219 – Equipment Not Requiring a Written Permit Pursuant to Regulation II

Amendments to Rule 219 may be proposed to exclude equipment with de minimis emissions from the requirement to obtain written permits and clarify provisions pertaining to super-compliant technologies.

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

Rule 1113 – Architectural Coatings

Potential amendments may include a backstop provision to address additional potential VOC emission reductions from the small container exemption, high volume categories, and increased fees in Rule 314 – Fees for Architectural Coatings. Additional clarifications will also be considered to address ongoing compliance issues.

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

Rule 1304.2 – Greenfield or Existing Electrical Generating Facility Fee for Load Serving Entities

Proposed Rule 1304.2 would provide for new, greenfield, or additions at existing electrical generating facilities, to access SCAQMD's internal offset account, subject to qualifying conditions,

eligibility, and the payment of a fee to invest in air quality improvement projects consistent with the AQMP. This rule is a companion to Rule 1304.1 and will provide offsets so that new, proposed, and other existing electrical generating facilities can compete on a level playing field with existing generating facilities with utility steam boilers, and implement the State's plan to maintain grid reliability.

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

Rule 1304.3 – Greenfield or Existing Electrical Generating Facility Fee for Use of Offsets for Municipalities

Proposed Rule 1304.3 would provide for new, greenfield, or additions at existing electrical generating facilities to access SCAQMD's internal offset account, subject to qualifying conditions, eligibility, and the payment of a fee to invest in air quality improvement projects consistent with the AQMP. This rule is a companion to Rule 1304.1 and will provide offsets so that new, proposed, and other existing electrical generating facilities run by local municipalities can meet the electricity reliability needs of their customers.

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

Rule 1402 – Control of Toxic Air Contaminants from Existing Sources

Amendments to Rule 1402 will address revised toxic air contaminant risk guidance that have been approved by OEHHA.

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

A&WMA Recognizes Air Quality Specialist Cynthia Carter



By James English, Student Intern

The Air and Waste Management Association (A&WMA) honored SCAQMD's own Cynthia Carter with the Outstanding Young Professional Award for her contributions to both SCAQMD and A&WMA. She was presented the award in June at A&WMA's Annual Conference held in Raleigh, NC.

Carter started at SCAQMD in 2006 as an air quality engineer, later becoming an air quality specialist. She has undertaken efforts to improve air quality compliance, petroleum-related issues, and air quality with industrial facilities. She also has prepared many important environmental impact reports for SCAQMD. During the last four years, Carter has fulfilled many leadership roles in the A&WMA. Her major achievements include efforts to increase A&WMA visibility and involvement. At the national level, she has also led two committees at A&WMA. "Being involved in A&WMA has allowed me to grow as a technical professional and it has helped me develop my career. My future goal for A&WMA is to get more Young Professionals involved because being a member is an invaluable asset."

A&WMA's Outstanding Young Professional Award recognizes individuals who are pursuing excellence in their careers and have made a valuable contribution to A&WMA by serving in a leadership position.



South Coast Air Quality Management District

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Briefly...

Rule Compliance Promotion 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. Pre-registration is required and walk-in registrations are not allowed.

Visit aqmd.gov/home/programs/business/training-403-403-1-fugitive-dust (and click on "south coast") for class and registration information. To register, e-mail 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. Pre-registration is required and walk-in registrations are not allowed.

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 1-866-861-3787.

Rule 461 – Gasoline Transfer and Dispensing Training Daily Maintenance Inspection Class

- November 13, 2015
The class fee is \$147.55 per person.

Periodic Compliance Inspection Class

- November 20, 2015
The class fee is \$161.49 per person.

Vapor Recovery System Tester Orientation Class

- November 6, 2015
The class fee is \$153.52 per person.

Classes meet at SCAQMD headquarters in Room CC6 from 8:30 a.m. to 5:00 p.m. Check-in time is 8:00 a.m. to 8:30 a.m. Pre-registration is required and walk-in registrations are not allowed.

Visit aqmd.gov/home/regulations/compliance/gasoline-dispensing2/rule-461-classes for class and registration information. Contact Michele Martinez at 909-396-3058 or MMartinez1@aqmd.gov for more information.

Rules: 1110.2 & 1146 & 1146.1 - Combustion Gas Portable Analyzer Training & Certification

- October 8, 2015

Classes are held from 8:30 a.m. to 12:30 p.m. at SCAQMD's Diamond Bar Headquarters (Auditorium). There is no fee. Pre-registration is required and walk-in registrations are not allowed.

Visit aqmd.gov/home/programs/business/training-gas-portable-analyzer for class registration information. Contact Nancy Leone via email at nleone@aqmd.gov

or call (909)396-2392 for additional information and to register.

Rule 1403 – Asbestos Demolition and Renovation Compliance Training

- September 16, 2015
- November 18, 2015
- December 16, 2015

Classes are held from 8:00 a.m. to 1:00 p.m. at SCAQMD's Diamond Bar Headquarters (Room CC6). Registration fee is \$81.44 per person. Pre-registration is required and walk-in registrations are not allowed.

Visit aqmd.gov/home/programs/business/training-1403-asbestos-demolition for class and registration information. Contact Sharon Fujimoto via email at SFujimoto@aqmd.gov or call (909) 396-2183 for additional information and to register.

Rule 2202 - Employee Transportation Coordinator (ETC) Training

- September 24, 2015, Courtyard Marriott, Culver City
- October 8, 2015, SCAQMD Headquarters, Diamond Bar
- October 21, 2015, University of California, Irvine
- November 5, 2015, SCAQMD Headquarters, Diamond Bar
- November 19, 2015, Parsons Brinckerhoff, San Bernardino
- December 10, 2015, SCAQMD Headquarters, Diamond Bar

Classes are held from 8:00 a.m. to 5:00 p.m. each day. Registration fee is \$168.92 per person. Enrollment is

limited. Pre-registration is required and walk-in registrations are not allowed. Visit aqmd.gov/home/programs/business/training-2202-etc for class and registration information. To register, e-mail etctraining@aqmd.gov or call (909) 396-2777.

SCAQMD ADVISOR

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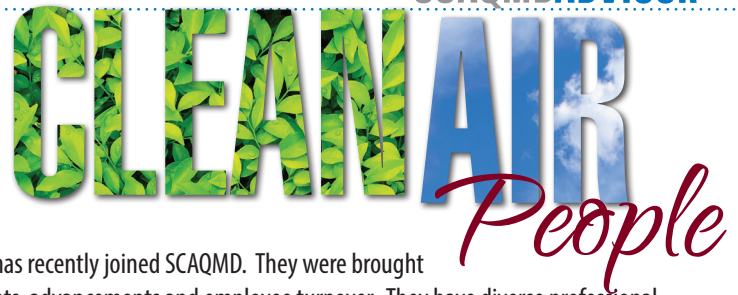
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Nineteen New Inspectors Join SCAQMD Team



Alemayehu Solomon
 Anthony Fang
 Areio Soltani
 Christopher Cisneros
 Darren Ha
 Frederic Chung
 George Wang
 Gerald Angel
 Jason Leong
 Jeffrey Hsu
 Kraig Morris
 Mathew Fung
 Mauricio Enriquez
 Pavan Rami
 Peter Campbell
 Shawn Wang
 Stacy Cole
 Steve Tsumura
 Zachary Broom

An impressive group of 19 new inspectors has recently joined SCAQMD. They were brought on board to fill vacancies due to retirements, advancements and employee turnover. They have diverse professional backgrounds and hold bachelors and/or advanced degrees in concentrations such as chemical, civil or environmental engineering, as well as biology, microbiology, environmental and occupational health science, biochemistry, and other relevant degrees. Many of them earned their degree from local universities, such as UCLA, UC Irvine, UC Riverside, USC, Cal Poly Pomona and Cal State Fullerton, Cal State Northridge and CSU San Bernardino.

They are assigned to several units within the Engineering and Compliance Division— Refinery, Industrial/Commercial/ Governmental Operations, Toxics/Waste Management, and Retail Gasoline Dispensing.

One of the new employees, Stacy Cole, an Air Quality Inspector I in the Industrial/Commercial/Governmental Operations Compliance unit, shared her thoughts on working at SCAQMD:

“One of my favorite things about being an inspector with AQMD is getting to see how all the different facilities operate and create things that we use. Whether it’s a power plant that generates electricity or a shampoo manufacturer that creates a consumer product, I find it all very fascinating. As a mother to a young child, I like that I can be a part of the effort to help businesses in cleaning up the air we breathe and maintaining a healthier breathing environment for future generations.”

SCAQMD Interns Gain Useful Experience

By Michelle Banayan, Student Intern

SCAQMD welcomed its newest batch of student interns this summer, providing them with the opportunity to gain experience within all facets of the clean air agency. The SCAQMD Governing Board members selected 33 students— from high school to advanced degree graduate students— to participate in the 2015 program. Each student undertook projects within different departments, from Science and Technology Advancement (STA) to Information Management.

The interns work under supervisors in their designated departments, who oversee the students’ progress and assign them with projects throughout the course of their internships. “I’ve been getting experience from different teams within STA,” said Jordan Graves, who is collecting raw data about PM2.5. “My supervisor knows my interests and career paths and he made sure to give me opportunities that would benefit me in the future.”

In addition to interdepartmental projects, the interns also go on field trips to see the real-life effects of air pollution on the region and to learn about SCAQMD’s role in these matters.

“With the field trips, we’re able to see how different communities are affected in our own backyards,” Legislative and Public Affairs intern Sydney Estrada said. “One major thing my department tries to promote is public awareness, and the work that we are doing in the office is directly related to helping these communities.”

Not only do interns gain exposure to the workings behind the SCAQMD, but they also leave this internship with experience in a professional environment.

“I think the internship program gives the interns a realistic preview of what it’s like to work in an office setting. It exposes them to opportunities that are possibly more educational than what they might experience working in a typical part-time summer job,” Human Resources Manager Bill Richards said.

As the summer comes to a close and the interns head back to school, the SCAQMD gets prepared to welcome interns for next summer. Those who are interested in a Summer 2016 internship with SCAQMD should email their cover letters and resumes to intern-apply@aqmd.gov beginning in mid-February.

