



SCAQMD

*Cleaning
the air
that we
breathe...*

ADVISOR

Volume 26 • Number 1 • January / February 2019

Cleaner Trucks Initiative

Southern California is known for its beautiful weather and range of outdoor activities from the beaches to the deserts to the mountains. It is also known for the air pollution which has improved, but still ranks among the worst in the nation. Many of us have experienced the sensation of burning eyes and lungs caused by breathing in smog during unhealthy air pollution days. The number one contributor to the formation of smog in our region is oxides of nitrogen better known as NOx. NOx is a key component in the formation of ground-level ozone that is the main ingredient in smog and a known lung irritant. Based on federal ozone standards, almost half of the U.S. population is affected by unhealthy levels of ozone air pollution. This type of air pollution is also related to premature death, respiratory disease, asthma and other common illnesses, and disproportionately affects our elderly and children.

The South Coast Air Basin which includes the urban portions of Los Angeles, San Bernardino, and Riverside counties and all of Orange County is in extreme non-attainment of federal health standards for ozone. Motor vehicle exhaust, especially from heavy-duty trucks and engines, is a major source of NOx emissions in this region accounting for more than 80 percent of the air pollution. However, the jurisdiction to regulate mobile sources lies primarily with the federal government namely the U.S. Environmental Protection Agency (U.S. EPA) and the California Air Resources Board (CARB).

In 2016, SCAQMD led a broad-based coalition of state and local government agencies and other organizations to petition the U.S. EPA to update a national NOx standard for heavy duty trucks, which is now almost 18 years old. The cooperative effort paid off in November 2018, when EPA announced the launch of the Cleaner Trucks Initiative

(CTI) which starts the rulemaking process on heavy-duty truck emissions. It is expected that the existing NOx standard will be lowered to reflect the significant advancements in heavy-duty technologies since the last time that the standards were updated. In addition to updating the NOx standards, the CTI will address other related heavy duty truck issues including onboard diagnostics, compliance and testing.

"We're encouraged the U.S. EPA's Cleaner Trucks Initiative is moving forward in the direction of the petition we submitted 2 1/2 years ago to reduce emissions from big rig trucks," said SCAQMD Executive Officer, Wayne Nastri.



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GREEN TRUCK REVOLUTION

On November 2, 2018, SCAQMD approved one of its largest-ever technology demonstration projects, a \$90.7 million initiative to develop and deploy up to 23 battery-electric heavy-duty trucks, other off-road vehicles and stationary equipment. The project, known as Volvo LIGHTS, will provide zero emission freight transport between the local ports in Los Angeles and Long Beach, and Southland warehouse facilities located in Chino, Fontana, Ontario, La Mirada and Placentia. Approximately half of the funding for this project is a grant provided by CARB under the California Climate Investments program.

“We are pleased to be working with Volvo and their partners to help jump-start the green truck revolution in the Southland,” said Wayne Nastri, SCAQMD’s Executive Officer.

Earlier this year a \$31.3 million project was launched with Daimler Trucks North America to develop and demonstrate 20 heavy-duty battery-

electric trucks, seven of which will be deployed at the local ports and the remainder within environmental justice communities.

Securing major commitments from the two leading truck manufacturers, Daimler and Volvo for zero-emission truck demonstrations and eventual commercialization, is a crucial step to lower emissions from today’s polluting diesel trucks. Pollution from mobile sources, including heavy duty trucks and equipment, account for the majority of the air quality issues in the region which affects public health.

For more information, please contact Joseph Impullitti, Technology Demonstration Manager, at 909-396-2025 or by email at jimpullitti@aqmd.gov



Ocean Going Vessels Technology Forum

On December 5, 2018, SCAQMD hosted its first Ocean Going Vessels (OGV) Retrofit Technology Forum. Over 100 people were in attendance to hear from industry professionals on topics such as OGV regulations and incentive programs, retrofit technologies to reduce emissions from ships and potential new opportunities to modernize the international fleet.

OGVs and commercial ships combined will represent the largest source of NOx emissions in the South Coast Air Basin by 2023. The Ports of Los Angeles and Long Beach have made significant progress in reducing air pollution from goods movement related-activities, including incentivizing the use cleaner ships that visit our region and technologies to reduce



emissions while they are berth. However, enhanced incentives and technology development to further reductions in NOx emissions from OGVs will be critical to our region to meet the federal 8-hour ozone standards by 2023 and 2031.

SCAQMD hosted the OGV forum as a step to facilitate much needed collaboration among stakeholders and

technology providers from around the world to reduce NOx emissions. Furthering the dialogue is critical as the governance of international OGV emissions through the United Nations International Maritime Organization (IMO) is too slow to address our regional air quality needs. Most of the air pollution reductions to-date from OGVs have to come from voluntary actions and collaboration with shipping lines, engine manufacturers, and local and international ports.

The forum represented the first step toward bringing together all of the stakeholders and technology providers to achieve air pollution reductions in OGVs.

For more information, contact Brian Choe at bchoe@aqmd.gov.

Inside the AB 617 Community Air Initiative

In 2018, the state of California initiated a new multi-year community-based air quality program to address the disproportionate impacts of air pollution in environmental justice communities. The SCAQMD’s Community Air Initiatives program, also referred to as the Assembly Bill 617 program based on the legislation that created it, is a collaborative effort with state and local government, community members, business representatives, and health and environmental organizations.

After an extensive public and scientific based process, three communities were identified in the South Coast Air Basin for the initial roll-out of the program:

- Wilmington, West Long Beach and Carson;
- Boyle Heights, East Los Angeles, and West Commerce; and,
- San Bernardino and Muscody.

Community Steering Committees were formed and convened in October-November 2018 to help guide program and policy implementation in the designated communities. These Committees will meet regularly to provide SCAQMD input on the development of Community Air Monitoring Plans and Community Emission Reduction Plans to improve air quality and public health in these communities.

SCAQMD encourages all those interested in air quality issues in the designated communities to attend the on-going monthly public meetings to participate in the program. Details on upcoming meetings and AB 617 activities can be found at www.aqmd.gov/ab617 or by calling 909-396-2432. Bi-monthly updates also will be featured in this publication, the Advisor.

Access to SCAQMD at Your Fingertips

Get “Connected to Clean Air” with the South Coast AQMD’s completely redesigned Mobile App for your iPhone, iPad and Apple Watch. The new interface intuitively places useful information at your fingertips such as real time and forecasted air quality for the entire region, emergency news and air quality notifications, integrated weather, alternative fueling and charging station maps and much more.

“It’s always been our goal to give our users the greatest experience possible and to be the first place to go for their air quality information,” said Ron Moskowitz, Chief Information Officer. “This application is about partnering with the public and, as their needs grow, so will our app. We envision a one-stop application that gives every person the ability to easily connect to SCAQMD from their mobile devices.”

You can even customize the App to focus on your community and you can file air quality complaints from the App directly to SCAQMD. Stay tuned for additional new features and improvements as well as the soon to be released Android version. Check out the SCAQMD Mobile App at www.aqmd.gov/nav/online-services/smartphone. For more information, please contact Ron Moskowitz, Chief Information Officer, at 909-396-3329 or by email at rmoskowitz@aqmd.gov.



Get Connected to Clean Air



Get Connected to expert information on air quality, electric charging and alternative fueling stations, emergency air quality alerts, easy access to file complaints and more.

“We want to provide residents in the region with important information about air quality conditions that can impact their health so they can plan their outdoor activities accordingly,” said Wayne Nastri, SCAQMD’s Executive Officer. “We hope that doctors, patients and the general public will all use this application to help reduce the hazardous health effects of air pollution.”

Download SCAQMD’s free completely redesigned App for Apple iOS devices.



Point your iPhone camera here to download!



www.aqmd.gov/mobileapp



SCAQMD Teams #1 at American Lung Association Walks

Over 200 SCAQMD employees, their friends and family, participated in the three American Lung Association Lung Force Walks in Irvine, Ontario and Los Angeles in November. This year's SCAQMDs Walk Teams at each of the three events were the largest in size out of all the participating groups which clearly demonstrated our employees' commitment to supporting clean air, lung health and fighting lung cancer.

For more information, please contact Debra Ashby at 909-396-3199 or by email at dashby@aqmd.gov.



Irvine



Los Angeles



Ontario

Take a Tour Day & Speakers Bureau

On the last Friday of every month, SCAQMD offers presentations and tours at our headquarters located in Diamond Bar, CA. The tours feature an overview of the agency and what we do, and could include a tour of SCAQMD's state of the art laboratory and alternative fuel stations. On occasion, there are opportunities for a display and, potentially test drives, of alternative fuel vehicles as well. The monthly tours are free of charge and open to the public. Reservations are taken on a first come, first served basis and must be made at least 4 weeks in advance due to the high demand.

If you can't make it to SCAQMD, then let us come to you. SCAQMD's Speaker's Bureau could provide a speaker for your next meeting, school or community event. Based upon availability of our staff, SCAQMD will match a presenter from our diverse team to meet your organizations air quality interests. Speaker's Bureau requests are confirmed on a first come, first served basis and depending on staff availability. Requests should be placed at least 4 weeks in advance.

Request a tour reservation or a speaker, by visiting www.aqmd.gov/nav/contact/speakers-visitors and completing the online form. Requests can also be emailed to speakersvisitors@aqmd.gov. For more information, please call 909-396-2432.

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Cleaner Trucks Initiative

Nastri further stated "We will work with EPA to adopt tougher standards as soon as possible. Meanwhile, using incentive funding, we will continue accelerating the turnover of our region's trucking fleet to zero and near-zero emission models."

The state of California and SCAQMD have been forward thinking in turning over the heavy duty fleet proactively through incentive programs such as Carl Moyer, Prop 1B, and AB 134. Further, CARB adopted lower optional engine standards for NOx. During the CARB rulemaking process, they indicated that about 8% of the Model Year 2012 engines were already certified at levels of 65% to 85% cleaner than the current engine standard. For example, Cummins Westport Inc. has produced 8.9 and

12 liter natural gas engines that have been certified by CARB to meet a 0.02 g/bhp-hr NOx exhaust emission levels. Other engine technologies are on the same pathway to lower NOx emissions from heavy duty trucks.

In addition to reducing NOx pollution, which is a key to reaching healthful air quality in our region, the Cleaner Trucks Initiative will create a stable market for U.S. manufacturers of heavy duty trucks, engines and pollution control equipment creating jobs and economic growth.

For more information, please contact Derrick Alatorre, Deputy Executive Officer of Legislative, Public Affairs, and Media Relations, at 909-396-2432 or by email at dalatorre@aqmd.gov.

Check Before You Burn

During late fall and early winter, SCAQMD asks residents to participate in its "Check Before You Burn" program by not burning wood in fireplaces or outdoors when unhealthy air quality is forecast. Under the program, intended to help improve wintertime air quality, SCAQMD may issue mandatory no-burn alerts from November 1 through the end of February.

No-burn alerts are issued for 24-hour periods for residential wood-burning fireplaces, backyard fire pits, and wood stoves when emissions and stagnant weather conditions raise fine particulate pollution to unhealthy levels. Alerts are typically issued for the entire South Coast Air Basin, which encompasses all of Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino counties.

There are three ways you can Check Before You Burn:

- **E-Mail Notification Program**
Sign up at www.AirAlerts.org to receive air quality forecasts and to be notified when a mandatory no-burn alert has been issued for your neighborhood.
- **Check Before You Burn Map**
Visit the Check Before You Burn website at: www.aqmd.gov/cbyb
- **Toll-Free Phone Number**
Call 866-966-3293 for daily Check Before You Burn information.

To file a residential complaint, please call 1-800-CUT-SMOG.

Briefly...

Rule Compliance Promotion Classes
SCAQMD offers a wide variety of training and certificate courses for regulated businesses and stakeholders.

When: SCAQMD, Room CC6,
21865 Copley
Drive, Diamond Bar, CA 91765
Cost: See above

(All Classes will be held from 8:00 a.m. - 1:00 p.m.
Check-in is from 8:00 a.m. - 8:30 a.m.)

Where: SCAQMD, Room CC6,
21865 Copley
Drive, Diamond Bar, CA 91765
Cost: \$88.38 per person

Register: 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. For more information, please call the Asbestos Hotline at (909) 396-2336.

Rule 1176 Sumps & Wastewater Separator Inspector Certification Training

When: January 15, 2019
Where: SCAQMD, Room CC6,
21865 Copley Drive,
Diamond Bar, CA 91765
Cost: \$63.47 per person

(Submit payment either with cash, check or money order (payable to SCAQMD) to our Cashier (located in the SCAQMD lobby) upon arrival.

Register: Pre-registration is preferred prior to attending this training. However, walk-in registration is welcome provided that the 80 person capacity of the venue is not exceeded. Visit aqmd.gov/home/programs/business/training-1176-sumps-wastewater-separator-for-class-and-registration-information. Contact Paul Caballero via email at pcaballero@aqmd.gov or call (909) 396-7002 for more information and to register.

Rule 2202 - Employee Transportation Coordinator (ETC) Training

When:
• January 17, SCAQMD Headquarters,
Diamond Bar
• February 7, SCAQMD Headquarters,
Diamond Bar
• February 21, Courtyard Marriott,
Culver City
March 7, SCAQMD Headquarters,
Diamond Bar
• March 21, University of California, Irvine
Where: See above, locations vary
Cost: \$183.32 per person

(Submit payment either with cash, check or money order (payable to SCAQMD) to our Cashier (located in the SCAQMD lobby) upon arrival.

Register: 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.

Rule 403 – Dust Control in the South Coast Air Basin Training
When: Every third Wednesday of the month, January through November (8:30 a.m. – 11:30 a.m.) No classes are held in December
Where: SCAQMD, 21865 Copley Drive, Diamond Bar, CA 91765
Cost: No fee

Rule 463 & Rule 1178 – Certified Person Compliance Assistance Class

When: January 16, 2019
Where: SCAQMD, Room CC6,
21865 Copley Drive,
Diamond Bar, CA 91765
Cost: \$82.13 per person

(Payable by cash or check to SCAQMD prior to the start of class at the cashier located in the lobby).
Register: Proof of payment and California Driver's License/ID Card are required to attend classes. Pre-registration is preferred prior to attending this training. However, walk-in registrations are welcome provided that the 80 person capacity of the venue is not exceeded. Visit aqmd.gov/home/programs/business/training-463-1178-certified-person-for-class-and-registration-information. Contact Joseph Liaw at (909) 396-3651 or jlaiw1@aqmd.gov for more information.

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

When: February 6, 2019
Where: SCAQMD, Auditorium,
21865 Copley Drive,
Diamond Bar, CA 91765
Cost: No cost

(Payable by cash or check to SCAQMD prior to the start of class at the cashier located in the lobby).
Register: Please note we anticipate this will be the only Portable Analyzer Class offered in 2019. Pre-registration is required to attend this training and walk-in registrations are not allowed. This training is provided at no cost. All attendees will receive a certification upon successful completion of the course. To register for this course, please email Nancy Leone at nleone@aqmd.gov and provide the following information for each attendee: name, company name, address and phone number. If you have previously attended this class, please provide your ID#. You will receive a confirmation via email. For more information call 909-396-2392.

Rule 1403 – Asbestos Demolition and Renovation Compliance Training

When: February 13, 2019
Apr. 17, 2019
Jun. 19, 2019

Rule 403 & 403.1 – Dust Control in the Coachella Valley Training

When: Every third Thursday of the month, January through November (1:00 p.m. – 4:30 p.m.) No classes are held in December
Where: Coachella Valley Association of Governments, Room 115,
73-710 Fred Waring Dr.,
Palm Desert, CA 92260
Cost: No fee

Register: Pre-registration is required & walk-in registrations are not allowed. Visit aqmd.gov/home/programs/business/training-403-403-1-fugitive-dust (and click on "coachella valley" near the top of the page) 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 Training (See Below for Specific Courses, Fees & Dates)

When: Daily Maintenance Inspection –
Registration Fees: \$162.38
• March 8, 2019
• June 7, 2019
Periodic Compliance Inspection –
Registration Fees: \$177.71
• March 15, 2019
• June 14, 2019

Vapor Recovery System Tester
Orientation –Registration Fees: \$168.96
• March 22, 2019
• June 21, 2019

7(All classes will be held from 8:30 a.m. - 5:00 p.m.
Check-in time is 8:00 a.m. - 8:30 a.m.)

Rule Update

January

Proposed Rule 1118.1: Control of Emissions from Non-Refinery Flares
Proposed Rule 1118.1 will seek to reduce emissions from flaring at non-refinery facilities, including alternate uses of gases. The rule would require use of flares that meet Best Available Control Technology at sources such as landfills, wastewater treatment plants, and oil and gas production facilities.

For more information, contact Michael Krause at MKrause@aqmd.gov or (909) 396-2706.

Rule 1325: Federal PM2.5 New Source Review Program

Proposed Amended Rule 1325 will address a deficiency identified by U.S. EPA to provide a clarification in the definition of "regulated NSR pollutant" as well as other minor administrative revisions to existing rule language to provide clarity.

For more information, contact Michael Krause at MKrause@aqmd.gov or (909) 396-2706.

February

Rule 1403 – Asbestos Emissions for Demolition/Renovation Activities

Amendments to Rule 1403 will include specific requirements when conducting asbestos-emitting demolition/renovation activities at schools, daycare centers, and possibly establishments that have sensitive populations. Amendments may include other provisions to improve the implementation of the rule.

For more information, contact Dave De Boer at ddeboer@aqmd.gov or (909) 396-2329.

Rule 110: Rule Adoption Procedures to Assure Protection and Enhancement of the Environment
Rule 212: Standards for Approving Permits and Issuing Public Notice

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.

March

- Rule 301: Permitting and Associated Fees**
- Rule 303: Hearing Board Fees**
- Rule 306: Plan Fees**
- Rule 307.1: Alternative Fees for Air Toxics Emissions Inventory**
- Rule 309: Fees for Regulation XVI and Regulation XXV**
- Rule 315: Fees for Training Classes and License Renewal**
- Rule 510: Notice of Hearing**
- Rule 515: Findings and Decision**
- Rule 518.2: Federal Alternative Operating Conditions**
- Rule 812: Notice of Hearing**
- Rule 1309: Emission Reduction Credits and Short Term Credits**
- Rule 1310: Analysis and Reporting**
- Rule 1605: Credits For The Voluntary Repair of On-Road Motor Vehicles Identified Through Remote Sensing Devices**
- Rule 1610: Old-Vehicle Scrapping**
- Rule 1612: Credits for Clean On-Road Vehicles**
- Rule 1620: Credits for Clean Off-Road Mobile Equipment**
- Rule 1623: Credits for Clean Lawn and Garden Equipment**
- Rule 1710: Analysis, Notice, and Reporting**
- Rule 1714: Prevention of Significant Deterioration for Greenhouse Gases**
- Rule 3006: Public Participation**

The above proposed amended rules will revise noticing requirements to reflect recent amendments to state law that allow certain public notices to be sent via electronic mail (email) and streamline other types of noticing requirements.

For more information, contact Michael Morris at mmorris@aqmd.gov or (909) 396-3282.

April

Rule 1106: Marine Coating Operations & Rule 1106.1: Pleasure Craft Coating Operations

Rule 1106 would subsume the requirements of Rule 1106.1, revise VOC content limits for several categories in order to align limits with U.S. EPA Control Techniques Guidelines and other California air districts, and add new limits for several new categories.

For more information, contact Dave De Boer at ddeboer@aqmd.gov or (909) 396-2329.

Rule 1407: Control of Emissions of Arsenic, Cadmium and Nickel from Non-Ferrous Metal Operations

Proposed Amended Rule 1407 will establish additional requirements to minimize point source and fugitive toxic air contaminant emissions from non-chromium metal melting operations.

For more information, contact Michael Morris at mmorris@aqmd.gov or (909) 396-3282.

Rule 1134: Emissions of Oxides of Nitrogen from Stationary Gas Turbines

Proposed Amended Rule 1134 will update the NOx emission standard to reflect Best Available Retrofit Control Technology for RECLAIM and non-RECLAIM facilities. Proposed Rule 1134 will also establish an ammonia emission limit for pollution controls with ammonia emissions, and update monitoring, reporting, and recordkeeping requirements.

For more information, contact Michael Morris at mmorris@aqmd.gov or (909) 396-3282.

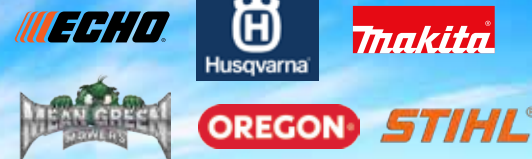
Rule 1100: Implementation Schedule for NOx Facilities

Proposed Rule 1100 will establish the implementation schedule for NOx RECLAIM facilities that are transitioning to command and control.

For more information, contact Jillian Wong at jwong1@aqmd.gov or (909) 396-3176.

COMING SOON

Participating Manufacturers




For more information, please visit our website at www.aqmd.gov/lawnmower or email lawngarden@aqmd.gov



**South Coast
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Diamond Bar, CA 91765-4178
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SCAQMD **ADVISOR**

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