

# SKY LINES

Monthly Report of the Ventura County Air Pollution Control District 

February 2013

## 2012 - - a look back

by Mike Villegas, Air Pollution Control Officer



**W**e're well into 2013, but let's look back on 2012 for a moment. The federal eight-hour ozone (smog) standard was exceeded only on 13 days in 2012. This is quite an improvement from 117 days over the standard in 1990, and 57 days over the standard in 2000. I realize the slower economy has curtailed some emissions. However, I believe that efforts to reduce emissions are playing a major role in the improved air quality. The District has strengthened rules to reduce emissions from industrial operations, and both the

California Air Resources Board and the District have taken action to reduce emissions from mobile sources of air pollution. These mobile sources include cars, trucks, buses, and ships.

Of course we have more work to do and challenges to face in 2013 and beyond to achieve our federally mandated air quality goals. One of the strategies to reduce emissions from mobile sources is using the District's Carl Moyer incentive program. This program uses incentive funds to purchase cost-effective emission reductions from operators of diesel engines. The funds incentivize the replacement of older diesel engines with new low-emission engines and in some cases electric motors. To date, the program has funded 100 fishing vessels, 209 agricultural pump engines, 66 on-road repowers and retrofits, 45 off-road repowers, and 239 farm tractor replacements in Ventura County.

From 2008 through 2012, the Carl Moyer program has accounted for 20 percent of all nitrogen oxide (a precursor to smog) emission reductions achieved in the County. Further, the program has reduced the emissions of toxic diesel exhaust particulate matter. Not only has the program significantly reduced emissions, but the program has provided assistance to the local agricultural community, fishing industry and others. Unfortunately, funding for this program sunsets on January 1, 2015. In order to continue this important public health program, one of my highest priorities for 2013, will be to support legislation to reauthorize the Carl Moyer program.

The reasons to support reauthorization of the program are compelling. Mobile sources produce over 70 percent of California's air pollution. Diesel engines emit toxic diesel particulate matter which causes cancer, (continued on page 3)

# APCD Calendar

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## **AIR POLLUTION CONTROL BOARD**

Second Tuesday, 11:00 a.m.  
Board Chambers  
Administration Building  
800 South Victoria Avenue  
Ventura

Next meeting: March 12, 2013

## **APCD ADVISORY COMMITTEE**

Fourth Tuesday, 7:30 p.m.  
Large Conference Room  
669 County Square Drive  
Ventura

Next meeting: February 26, 2013

## **CLEAN AIR FUND ADVISORY COMMITTEE**

Anacapa Conference Room  
669 County Square Drive,  
2<sup>nd</sup> Floor, Ventura

Next meeting: To Be Announced

## **APCD HEARING BOARD**

Mondays, 5:30 p.m., as needed  
Board Chambers  
Administration Building  
800 South Victoria Avenue  
Ventura

## **SOUTH CENTRAL COAST BASINWIDE AIR POLLUTION CONTROL COUNCIL**

Santa Barbara APCD  
260 North San Antonio Road  
Santa Barbara

For more information, call Mike Villegas at 645-1440.

Next meeting: February 20, 2013

## **APCD RULE WORKSHOPS**

See Rule Update section.

## **Air Pollution Control Board**

Kathy Long, District 3, Chair  
Carmen Ramirez, Oxnard, Vice Chair  
Brian Brennan, Ventura  
Steve Bennett, District 1  
Linda Parks, District 2  
Peter Foy, District 4  
John Zaragoza, District 5  
Mike Morgan, Camarillo  
Jonathan Sharkey, Pt. Hueneme  
Vacant

## **Ventura County**

**Air Pollution Control District**  
669 County Square Drive, 2<sup>nd</sup> Floor  
Ventura, CA 93003

## **Air Pollution Control Officer**

Michael Villegas

## **Skylines**

Editor – Barbara L. Page  
Desktop Publishing – Carolina Guerra

## **Directory**

General Information **645-1400**  
Fax **645-1444**  
Website **www.vcapcd.org**

Agricultural burning,  
Smog forecast 654-2807  
Complaints (7 a.m. – 5 p.m.,  
Mon-Thurs) 645-1445  
Complaints (recording) 654-2797  
Monitoring Division 645-1410  
Permit processing 645-1401  
Permit renewal 645-1404  
Public information 645-1415  
Email address: [info@vcapcd.org](mailto:info@vcapcd.org)

premature death and other health problems. The Carl Moyer program reduces more than 16 tons of ozone precursor emissions each day statewide. Continued funding will help businesses replace thousands of pieces of equipment prior to regulatory deadlines.

On December 3, 2013, Senate Bill 11 and Assembly Bill 8 were introduced in the California State legislature to reauthorize the Carl Moyer

program through January 1, 2024. These two bills are supported by a large and diverse coalition of groups. The groups include air districts, auto manufacturers, environmental groups, the Western States Petroleum Association, advanced technology vehicle associations, and numerous agricultural industry groups. This diverse coalition shows the wide support the Carl Moyer program has statewide. This support will

be critical if this legislative effort is to be successful. In these difficult economic times, the Carl Moyer program offers operators of diesel equipment incentives to upgrade to low emission equipment prior to regulatory deadlines. The program improves air quality, protects public health and creates jobs. Let's hope efforts to reauthorize this important and successful program succeed in 2013.

## AirLines

**Board highlights.** At its January 2013 meeting, the APCD Board approved the following items:

- Election of **Oxnard City Council Member and Mayor Pro Tem Carmen Ramirez** as 2013 APCD Board Chair. Election of **Supervisor Linda Parks** as Vice Chair.
- Appointment of **Ventura City Council Member Brian Brennan** and **Supervisor Steve Bennett** to the APCD Standing Committee. They will serve with the Chair and Vice Chair.
- Reappointment of **Camarillo City Council Member Mike Morgan** to the **South Central Coast Basinwide Air Pollution Control Council**.
- Approval of the **2013 Rulemaking Calendar**. The

California Health & Safety Code requires the District to publish a list of regulatory measures scheduled, or tentatively scheduled, for consideration during the upcoming year. For specifics, contact APCO **Mike Villegas**.

- Adoption of the **2012 Ventura County Triennial Assessment and Plan Update**. The 2012 Triennial Assessment and Plan Update has been prepared to satisfy requirements of the California Clean Air Act (CCAA). The CCAA requires that, once every three years, California air districts must assess their progress towards attaining the California clean air standards, the amount of emission reductions achieved over the three-year period, correct any deficiencies in meeting progress goals, and

incorporate new data and projections into their state clean air plans. The assessment period for the 2012 Triennial Assessment is 2009 through 2011. It shows that Ventura County is still making significant progress towards meeting the state ozone standards. Moreover, the 2012 Triennial Assessment has not identified any deficiencies regarding meeting progress goals towards the state ozone standards. The "every feasible measure" analysis conducted for the 2012 Triennial Assessment did, however, identify five existing District rules with potential for enhancement. It also identified three possible new control measures that would help Ventura County continue its progress towards attaining the state ozone standards. The new measures include vacuum

truck operations, liquefied petroleum gas transfer and dispensing, and green waste composting operations. A copy of the Plan is available for download on the APCD website. For more information contact **Chuck Thomas** at [chuck@vcapcd.org](mailto:chuck@vcapcd.org).

- Approval of the Department of Motor Vehicle **EV Charging Infrastructure Program** grant funding of up to \$27,000 to assist the Ventura County Transportation Commission with the installation of two Alternating Current (AC) Level 2 charging stations at the **Camarillo Metrolink station**; to assist the City of Ventura with two AC Level 2 charging stations at the **East Ventura Metrolink station**; and assist the City of Oxnard

with five AC Level 2 charging stations at three Oxnard locations - - **Oxnard College Park, Fifth Street Parking Lot, and Downtown Parking Lot**. For more information on this program, contact **Stan Cowen** at **645-1408** or via email at [stan@vcapcd.org](mailto:stan@vcapcd.org).

#### **Hearing Board Vacancies.**

The District is seeking individuals interested in serving on its Hearing Board. Applications are being accepted for nominations to the medical professional member position. Candidates must have specialized skills, training, or interests in environmental medicine, community medicine, or occupational/toxicological medicine. Applications are also being accepted for nominations to the two

public member positions on the Hearing Board.

The Hearing Board conducts public hearings and is authorized to grant variances from District Rules, makes determinations regarding permits, and arbitrates conflicts between the District and permitted sources. Meetings are held Monday evenings, as needed, at 5:30 p.m. Hearing Board members may be called upon to conduct a conference call hearing with District staff and petitioners. Members are compensated for their time. Candidates must be residents of Ventura County and should be willing to attend 2 two-day training classes conducted by the California Air Resources Board. Contact **Dan Searcy** at **805/645-1494** via email at [dans@vcacpd.org](mailto:dans@vcacpd.org).

## **FOCUS** on climate change

### **APCD climate change curriculum available on film website**

A few years back the District partnered with the United States Environmental Protection Agency, and a few other sponsors including the Port of Long Beach and Media 360, to produce a nationally award-winning high definition feature film, *Air – the search for one clean breath*. As part of that project, the APCD also developed an *Educator’s Guide* for the film in 2010. The guide, and accompanying classroom lessons, not only enabled students to see the film, but to understand more about air quality and climate change.

And it still does. The complete film and the Educator’s Guide are available at [www.airthefilm.org](http://www.airthefilm.org). The downloadable Guide

contains nine complete lessons; a California Educational Standards grid; and background information for each lesson. We encourage County teachers to review the climate change lessons, and all the lessons really, to prepare for Earth Day 2013 this April. And if you are a parent reading this, we encourage you to tell your child’s middle and high school instructors about this opportunity. All lessons were written and field tested by classroom instructors. They are aligned with the California Educational Standards for middle and high schools in their subject areas. Climate change lessons include the following:

- ◆ **Carbon Dioxide in Ice Core Samples.** (*Science & Technology*) Students make

scientifically based observations with frozen ice cores, quantify data, do hands-on data collection, chart data into a graph, and analyze data from the graph.

- ◆ **Effects of Global Warming.** (*Science & Technology*) Students read information on climate change and its effects on hurricanes, wildfires, animal populations, human health and allergies, and sea levels. They complete a graphic organizer and do an analysis of the causes and implications in small classroom groups.
- ◆ **Taking Action.** (*Geography & Science*) Students develop an action project to promote greenhouse gas emission reduction. They look at their own lifestyle to determine what they can do to reduce air pollution and greenhouse gases. Groups of students develop a community project to help air quality in their area.
- ◆ **Navigating Opinion in Search of Facts** (*History, Social Science & Economics*) Students use the Socratic Method to investigate global climate change. They evaluate issues of public concern and differentiate between data supported hypotheses and claims based upon opinion.

## And some 2012 news



The **National Oceanic and Atmospheric Administration** announced that **2012** was the **warmest year on record for the contiguous United States**. The average temperature for 2012 was 55.3 degrees Fahrenheit (°F), 3.2°F above the 20th century average, and 1.0°F above 1998, the previous warmest year. In addition, the U.S. Climate Extremes Index, which evaluates extremes in temperature and precipitation, as well as tropical cyclones that hit land, indicated that 2012 was the second most extreme year on record for the nation. Also of note, July 2012 was the hottest month ever observed for the contiguous United States, with an average temperature of 76.9°F, 3.6°F above average. The eighth warmest June, record hottest July and a warmer-than-average August resulted in a summer average temperature of 73.8°F, the second hottest summer on record by only hundredths of a degree. An estimated 99.1 million people experienced 10 or more days of summer temperatures greater than 100°F, nearly one-third of the nation's population. For further information: <http://www.ncdc.noaa.gov/sotc/>

# Rule Development Update

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Visit [www.vcapcd.org/rules\\_division.htm](http://www.vcapcd.org/rules_division.htm)

## Recent Board Actions

**Permit Fees** (Rule 42 – Revised) On September 11, 2012, the Air Pollution Control Board adopted revisions to Rule 42, Permit Fees. This rule action did not increase permit fees. This rule revision is intended to clarify an existing policy regarding the invoicing of those fees that are based on the hourly service rate for an Air Quality Engineer. The following sentence was added to each of the sections referencing the hourly service rate:

**“The hourly service rate shall be the rate in effect at the time the permit application is deemed complete.”**

In addition, a second proposed change to Rule 42 concerns non-payment of permit processing fees. An additional consequence of non-payment was added as follows:

**“No further permit applications will be accepted from the applicant until such time as overdue permit processing fees have been fully paid.”**

For additional information, contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**Solvent Cleaning Requirements** (Rules 74.13, 74.20, and 74.24 - Revised) On September 11, 2012, the Air Pollution Control Board adopted revisions to the solvent cleaning requirements in Rules 74.13 (Aerospace), 74.20 (Adhesives), and 74.24 (Marine Coatings). The revisions further reduce reactive organic compound (ROC) emissions from the solvent cleaning of coating or adhesive spray equipment and substrate surface preparation. This proposed rule action implements an All Feasible Measures requirement pursuant to the California Clean Air Act (H&SC Section 40914).

For additional information contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**Small Boilers and Large Water Heaters** (Rules 74.11.1 and 74.15.1 - Revised) On September 11, 2012, the Air Pollution Control Board adopted revisions to Rule 74.11.1 (Large Water Heaters and Small Boilers) and Rule

74.15.1 (Boilers, Steam Generators and Process Heaters).

Revisions to Rule 74.11.1 include lower 20 ppm NOx emission limits now in place in the South Coast AQMD. On January 1, 2013, the rule will apply to units with an input capacity from greater than 75,000 BTU/hr to less than 1 million BTU/hr, down from 2 million BTU/hr.

A 20 ppm NOx limit for new units between 1 and 2 million BTU/hr input capacity was added to Rule 74.15.1. All units in this size range will source test every 48 months, if required. Also, the rule will require all units to do an initial installation source test and an annual NOx and CO screening analysis.

For additional information contact Stan Cowen at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**Vacuum Producing Devices** (Rule 67 – Repeal): On June 12, 2012, the Air Pollution Control Board repealed Rule 67, which limits reactive organic compound (ROC) emissions from "vacuum producing devices or systems including hot wells and accumulators." VCAPCD Rule 74.8, *Refinery Vacuum Producing Systems, Wastewater Separators And Process Turnarounds*, also regulates vacuum-producing devices. Hot wells and accumulators are not specifically mentioned in Rule 74.8, although it is clear that they would be part of the "vacuum producing system at a petroleum refinery" specified in the rule.

There is no longer a petroleum refinery in Ventura County. Also, Rule 67 has been superseded by Rule 74.8. Therefore, the District proposes to repeal Rule 67 because it is unnecessary and there are no sources to which it applies. For additional information, contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**Project XL** (Rule 37 – Repeal): On June 12, 2012, at 11:00 a.m., the Air Pollution Control Board repealed Rule 37. The rule was adopted on September 14, 1999, to implement a "Final Project Agreement" for the EPA Project XL Program at Imation Camarillo.

Imation Camarillo ceased operation in 2008. The District and Title V permits for the facility

were rendered inactive in 2009. Therefore, the District

proposes to repeal Rule 37 because the single source to which it applies, Imation Camarillo, no longer exists. For additional information, contact Stan Cowen at **805/645-1408** or stan@vcapcd.org.

## Compliance Dates

- January 1, 2013 and January 1, 2014**

### **Large Water Heaters and Small Boilers**

(Rule 74.11.1 – Revised): Effective January 1, 2013, units for sale from over 400,000 BTUs/hr up to 1 million BTUs/hr must meet a NOx limit of 20 ppm. Effective January 1, 2014, all units for sale from 75,000 BTUs/hr to 400,000 BTUs/hr (except pool heaters) shall meet a NOx limit of 20 ppm. Pool heater are still required to meet the existing NOx limit of 55 ppm. This rule only applies to natural gas-fired units.

These new NOx limits are based on existing requirement in the South Coast AQMD. For additional information, contact **Stan Cowen** at **805/645-1408** or stan@vcapcd.org.

- January 1, 2013**

**Boilers, Steam Generators, and Process Heaters** (Rule 74.15.1 – Revised): Effective January 1, 2013, all new units (1 to 2 million BTUs/hr) must meet a NOx limit of 20 ppm. New units shall be certified by the South Coast AQMD requirements outlined in Rule 1146.2. Source testing must be performed at initial installation and every 4 years thereafter for this boiler size range. Annual screening for NOx and CO emissions will also be required except when a source test of the unit is performed.

Requirement for screening notifications, test methods, and reports are described in a Compliance Assistance Advisory on the district's website. For additional information, contact Lyle **Olson** at **805/645-1413** or lyle@vcapcd.org.

- December 1, 2012**

**Aerospace Assembly and Component Manufacturing Operations** (Rule 74.13 – Revised): Effective December 1, 2012, the ROC

composite vapor pressure limit for coating application equipment cleaners was lowered from 45 mm Hg to 5 mm Hg at 20°C. There continues to be a requirement for operators to use an enclosed spray gun cleaner or low emission spray gun cleaner. Also, this rule still does not apply to aerospace cleaning performed inside a degreaser.

These amendments to Rule 74.13 were based on an All Feasible Measures requirement pursuant to the California Clean Air Act. For additional information, contact **Stan Cowen** at **805/645-1408** or stan@vcapcd.org.

- December 1, 2012**

**Adhesives and Sealants** (Rule 74.20 – Revised): Effective December 1, 2012, the ROC content limit is 25 grams per liter for substrate surface preparation (except for inkjet printer head assembly), solvent cleaning, and spray equipment cleaning used in adhesive operations.

These amendments to Rule 74.20 were based on an All Feasible Measures requirement pursuant to the California Clean Air Act. For additional information, contact **Stan Cowen** at **805/645-1408** or stan@vcapcd.org.

- December 1, 2012**

**Marine Coatings** (Rule 74.24 – Revised): Effective December 1, 2012, the ROC content limit is 25 grams per liter for substrate surface preparation, solvent cleaning, and spray equipment cleaning used in marine coating operations.

These amendments to Rule 74.24 were based on an All Feasible Measures requirement pursuant to the California Clean Air Act. For additional information, contact **Stan Cowen** at **805/645-1408** or stan@vcapcd.org.

- September 11, 2012**

**Boilers, Steam Generators, and Process Heaters** (Rule 74.15.1 – Revised): Effective September 11, 2012, all units (1 to 5 million BTUs/hr) with an annual heat input greater than 1.8 billion BTUs must be screened annually for NOx and CO emissions. Source testing will still be required every two (2) years for boilers between 2 and 5 million BTUs/hr, and screenings will not be required when a source test is performed.

Requirement for screening notifications, test methods, and reports are described in a Compliance Assistance Advisory on the district's website. For additional information, contact Lyle **Olson** at **805/645-1413** or [lyle@vcapcd.org](mailto:lyle@vcapcd.org).

**January 1, 2012**

**Graphic Arts** (Rule 74.19 – Revised): Revisions to the fountain solution ROC content limits for lithographic operations became effective on January 1, 2012, in Rule 74.19. In addition, the vapor pressure limits were replaced on January 1, 2012, with new ROC content limits for solvent cleaning graphic arts operations.

These amendments to Rule 74.19 were based on an All Feasible Measures requirement pursuant to the California Clean Air Act. For additional information, contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**January 1, 2011 and January 1, 2012**

**Architectural Coatings** (Rule 74.2 – Revised): Revisions to the coating ROC content limits in Rule 74.2 became effective on January 1, 2011, except for the following coating categories, which became effective on January 1, 2012:

- Flat Coatings
- Primers, Sealers, and Undercoaters
- Rust Preventative Coatings
- Specialty Primers, Sealers & Undercoaters

These amendments to Rule 74.2 were based on the latest Suggested Control Measure adopted by the Air Resources Board. Coatings manufactured prior to the effective date may be sold or applied for up to 3 years after the effective date. For additional information, contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**September 15, 2010**

**Paved Roads and Public Unpaved Roads** (Rule 55.1 – New): Rule 55.1 will apply to government agencies and/or persons operating construction or earthmoving equipment on public unpaved roads. New requirements are included for new or widening road construction, removal of visible roadway accumulation, and visible emissions caused by

roadway construction activity. For additional information, contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**September 15, 2010**

**Street Sweeping Equipment** (Rule 55.2 – New): Rule 55.2 will apply to government agencies or contractors that own or operate street sweeping equipment. New requirements are included that mandate the use of PM-10 efficient street sweepers, and require that street sweepers be properly operated and maintained. For additional information, contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**July 1, 2010**

**Natural Gas-Fired Water Heaters** (Rule 74.11 – Revised): After July 1, 2010, new general use natural gas-fired water heaters with a capacity of less than 75,000 BTUs/hour are limited to 10 nanograms of NOx per joule (ng/j), or 15 ppmv.

In addition, new natural gas mobile home water heaters are limited to 40 ng/j of NOx. Water heaters may not be sold, offered for sale, or installed in Ventura County unless they meet these limits. Manufacturers are required to submit compliance information. All limits apply to both residential and commercial applications. For additional information contact Stan Cowen at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

**January 1, 2009 and January 1, 2010**

**Motor Vehicle and Mobile Equipment Coating Operations** (Rule 74.18 – Revised): Revisions to the coating ROC content limits in Rule 74.18 became effective on January 1, 2009, except for the following coating categories, which became effective on January 1, 2010:

- Adhesion Promoter
- Primer Sealer
- Single-Stage topcoat

Color coatings, as part of a basecoat/clearcoat system, which exceed the new 420 grams per liter limit and have been manufactured prior to January 1, 2009, may be sold and applied until July 1, 2009. The new low-ROC cleaning requirement at 25 grams per liter and a new limited-use surface preparation exemption became effective on January 1, 2010. For additional information,



contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

☑ **March 1, 2008**

**Registration of Agricultural Engines**

(Rule 250): The California Air Resources Board (ARB) has finalized new regulations for diesel engines used in agricultural operations. In general, these regulations apply to nearly all diesel engines used to power irrigation pumps; however, they will not apply to diesel engines used to power farm equipment such as trucks and tractors. The new regulations have both administrative requirements and emission control requirements. An ARB fact sheet is available to provide additional information and details on these new requirements; go to <http://www.arb.ca.gov/diesel/ag/agengine.htm>.

To implement the state agricultural diesel engine regulations, the District adopted Rule 250, "Registration of Agricultural Engines" on September 11, 2007. The rule establishes a diesel engine registration program with a deadline of March 1, 2008. The registration program is not a permitting program, but requires application forms and fees similar to a permitting program. The fees are significantly less than permitting fees and are specified in Rule 48. Both rules appear on the District's website noted above.

For questions on the registration program, please contact **Kerby Zozula** at **805/645-1421** or [kerby@vcapcd.org](mailto:kerby@vcapcd.org). Grant money may be available from the District to replace older diesel engines with newer, compliant diesel engines, natural gas engines or electric motors. For information on District grant programs, please contact **Chris Frank** at **805/645-1409** or [chrisf@vcapcd.org](mailto:chrisf@vcapcd.org).

# Enforcement Update

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| <b>Enforcement Activities<br/>DECEMBER 2012</b> |              |                    |                                       |              |                    |
|---|--------------|--------------------|---------------------------------------|--------------|--------------------|
| <b>Inspections</b>                              | <b>Month</b> | <b>Fiscal Year</b> | <b>Violations</b>                     | <b>Month</b> | <b>Fiscal Year</b> |
| Asbestos Inspections                            | 2            | 23                 |                                       |              |                    |
| Breakdowns Received and Investigated            | 4            | 40                 | Notices of Violation Issued           | 22           | 71                 |
| Complaints Received and Investigated            | 10           | 112                | Cases Settled after Office Conference | 22           | 75                 |
| Emergency Engine Verifications                  | 0            | 0                  |                                       |              |                    |
| New Business                                    | 0            | 11                 |                                       |              |                    |
| Total: Permit/Other Inspections/Verifications   | 191          | 972                | Total: Settlement/Fines               | \$26,800     | \$159,050          |

| <b>Sources Operating Under Variance<br/>DECEMBER 2012</b> |                                |                             |  |                 |               |
|---|--------------------------------|-----------------------------|--|-----------------|---------------|
| <b>No./Type</b>   | <b>Facility/Location</b>       | <b>Source</b>               | <b>Rule</b>  | <b>End Date</b> | <b>Status</b> |
| 843/<br>Regular   | Jean Larrivee Guitars USA Inc. | Surface Preparation Solvent | 29.C, Conditions 74.30.B.5-Surface Preparation and Cleanup Solvent | 1-29-2013       | On Schedule   |

| <b>Sources Operating Under<br/>Stipulated Conditional Order of Abatement<br/>DECEMBER 2012</b> |                          |               |             |                 |               |
|--|--------------------------|---------------|-------------|-----------------|---------------|
| <b>No.</b>   | <b>Facility/Location</b> | <b>Source</b> | <b>Rule</b> | <b>End Date</b> | <b>Status</b> |
|  |                          |               |             |                 |               |
|  |                          |               |             |                 |               |

| <b>NOV No</b> | <b>Facility Name</b>              | <b>Phys City</b> | <b>Comment</b>  | <b>NOV Date</b> |
|---------------|-----------------------------------|------------------|---|-----------------|
| 022536        | Baxter BioScience                 | Thousand Oaks    | Permit Condition Not Met - Exceeding Boiler T-put             | 12/19/2012      |
| 022537        | Atria Hillcrest                   | Thousand Oaks    | False Statement On Application - School Distance              | 12/27/2012      |
| 022649        | Ventura Co. Facilities & Ground   | Ventura          | Permit Condition Not Met - Engine                             | 12/26/2012      |
| 022745        | Hamp Fee Lease                    | Santa Paula      | Operating Without A Permit - Oilfield Tank                    | 12/4/2012       |
| 022746        | Hamp Fee Lease                    | Santa Paula      | Operating Without A Permit - Oilfield                         | 12/4/2012       |
| 022810        | Mario's Auto Body                 | Oxnard           | Improper Surface Preparation - Solvent Cleaning               | 12/5/2012       |
| 022811        | Circle K #2709483                 | Oxnard           | CARB Title 17 Defect PHI/II - V.R. System Testing Failure     | 12/20/2012      |
| 022861        | Armacel Armor Corporation         | Camarillo        | Installation Without A Permit - Composites Manufacturing      | 12/18/2012      |
| 022862        | Armacel Armor Corporation         | Camarillo        | Operating Without A Permit - Composites Manufacturing         | 12/18/2012      |
| 022863        | Armacel Armor Corporation         | Camarillo        | Failure To Meet NSR/BACT - Composite Manufacturing            | 12/18/2012      |
| 022864        | Armacel Armor Corporation         | Camarillo        | Failure To Meet Emission Limits - Composite Manufacturing     | 12/18/2012      |
| 022865        | Armacel Armor Corporation         | Camarillo        | Failure To Meet Solvent ROC Limits - Composite Manufacturing  | 12/18/2012      |
| 022866        | Armacel Armor Corporation         | Camarillo        | Failure To Meet Adhesive ROC Limits - Composite Manufacturing | 12/18/2012      |
| 022867        | Armacel Armor Corporation         | Camarillo        | Failure To Meet Subpart VVV Req'ts - Composite Manufacturing  | 12/18/2012      |
| 022868        | Armacel Armor Corporation         | Camarillo        | Failure To Meet Subpart OOOO Req'ts - Composite Manufacturing | 12/18/2012      |
| 022869        | Armacel Armor Corporation         | Camarillo        | Failure To Obtain A Title V Permit - Composite Manufacturing  | 12/18/2012      |
| 022903        | Red Robin Gourmet Burgers-Simi TC | Simi Valley      | Permit Condition Not Met - Recordkeeping                      | 12/11/2012      |
| 022904        | TR Oil                            | Thousand Oaks    | Non-CARB Title 17 Defect - Check Valve/LRD/B-Away             | 12/18/2012      |
| 022957        | Offshore Gas                      | Oxnard           | Permit Condition Not Met - Exceeding Gasoline Throughput      | 12/14/2012      |
| 023019        | Studio 609                        | Ventura          |   | 12/20/2012      |
| 023020        | Chevron #9-0066                   | Ventura          | Non-CARB Title 17 Defect - Check Valve/LRD/A-way              | 12/28/2012      |
| 023055        | Daedalus Auto Body Shop           | Camarillo        | Exceeding ROC Limits - Auto Body Coatings                     | 12/4/2012       |

# Engineering Update

| <b>ERC Balances by Company (Units – Tons per Year)<br/>As of January 14, 2013</b> |        |                 |                  |                 |            |
|---|--------|-----------------|------------------|-----------------|------------|
| Company Name  | ROC    | NO <sub>x</sub> | PM <sub>10</sub> | SO <sub>x</sub> | Limitation |
| ABA Energy Corporation  | 3.83   | 0.00            | 0.00             | 0.00            | Yes        |
| Aer Glan Energy   | 0.87   | 0.00            | 0.00             | 0.02            | Yes        |
| Aera Energy LLC   | 0.02   | 0.49            | 0.45             | 0.04            | No         |
| Aera Energy LLC   | 234.92 | 11.41           | 1.24             | 0.40            | Yes        |
| Amgen, Inc.   | 0.00   | 4.97            | 0.00             | 0.00            | No         |
| Amgen, Inc.   | 0.11   | 0.00            | 0.07             | 0.01            | Yes        |
| Ample Resources, Inc.   | 0.01   | 0.00            | 0.00             | 0.00            | No         |
| BMW of North America  | 0.36   | 0.23            | 0.03             | 0.01            | Yes        |
| C. D. Lyon Construction, Inc.   | 0.70   | 0.00            | 0.00             | 0.00            | Yes        |
| Chevron Environmental Management  | 1.13   | 0.00            | 0.00             | 0.00            | Yes        |
| ChevronTexaco   | 0.44   | 1.67            | 0.09             | 0.03            | No         |
| ChevronTexaco   | 118.58 | 0.28            | 0.17             | 0.34            | Yes        |
| Compositair   | 0.00   | 0.06            | 0.00             | 0.00            | No         |
| Costco Wholesale Corporation  | 12.73  | 0.00            | 0.00             | 0.00            | Yes        |
| Dos Cuadras Offshore Resources  | 2.09   | 0.19            | 0.00             | 0.00            | No         |
| Dos Cuadras Offshore Resources  | 0.49   | 1.32            | 1.13             | 0.10            | Yes        |
| Element Markets LLC   | 0.00   | 0.26            | 0.36             | 0.00            | Yes        |
| Equilon California Pipeline Co. LLC   | 6.93   | 0.00            | 0.00             | 0.00            | No         |
| GenOn West, LP  | 0.27   | 0.47            | 0.76             | 0.01            | Yes        |
| Gilroy Foods, Inc.  | 0.00   | 0.09            | 0.01             | 0.00            | Yes        |
| Haas Automation   | 0.00   | 0.06            | 0.00             | 0.00            | Yes        |
| Hanson Aggregates   | 0.00   | 0.00            | 0.69             | 0.00            | Yes        |
| Hunter Resources Development  | 0.09   | 0.01            | 0.01             | 0.00            | No         |
| KTI Engineers & Constructors  | 0.00   | 0.00            | 1.50             | 0.00            | Yes        |
| Mirada Petroleum, Inc.  | 2.83   | 0.00            | 0.00             | 0.00            | Yes        |
| Naval Base Ventura County   | 2.76   | 0.11            | 3.90             | 0.04            | No         |
| Naval Base Ventura County   | 0.09   | 4.74            | 0.45             | 0.54            | Yes        |
| Nestle Food Company   | 0.11   | 1.54            | 0.12             | 0.02            | Yes        |
| Northrop Grumman Corporation  | 0.00   | 0.01            | 0.01             | 0.01            | Yes        |
| Occidental Chemical Corporation   | 0.07   | 3.79            | 1.33             | 0.02            | Yes        |
| Oxnard Lemon Company  | 0.00   | 0.10            | 0.00             | 0.00            | Yes        |
| P.W. Gillibrand Company Inc.  | 0.00   | 1.11            | 0.00             | 0.03            | No         |
| Pacific Custom Materials, Inc.  | 0.00   | 0.00            | 0.57             | 0.00            | No         |
| Pacific Operators Offshore LLC  | 0.21   | 1.77            | 0.09             | 0.02            | No         |
| Pacific Recovery Corporation  | 0.12   | 0.00            | 0.00             | 0.03            | No         |
| Parker Advanced Filtration  | 6.33   | 0.00            | 0.00             | 0.00            | No         |
| Procter & Gamble Paper Products   | 45.84  | 22.17           | 19.71            | 0.00            | No         |
| Procter & Gamble Paper Products   | 0.00   | 0.00            | 3.44             | 0.00            | Yes        |
| PTI Technologies, Inc.  | 0.25   | 0.00            | 0.00             | 0.00            | No         |
| Reichhold Chemicals, Inc.   | 0.00   | 0.10            | 0.00             | 0.00            | No         |
| Royal Coatings  | 0.06   | 0.00            | 0.00             | 0.00            | No         |
| Santa Fe Energy Operating Partners  | 0.01   | 0.00            | 0.00             | 0.00            | Yes        |
| Santa Fe Minerals, Inc.   | 0.55   | 0.00            | 0.00             | 0.00            | Yes        |

| <b>ERC Balances by Company (Units – Tons per Year)<br/>As of January 14, 2013</b> |       |                 |                  |                 |            |
|---|-------|-----------------|------------------|-----------------|------------|
| Company Name  | ROC   | NO <sub>x</sub> | PM <sub>10</sub> | SO <sub>x</sub> | Limitation |
| Seneca Resources Corporation  | 2.57  | 0.02            | 0.00             | 0.00            | No         |
| Seneca Resources Corporation  | 0.35  | 0.14            | 0.00             | 0.00            | Yes        |
| Shell California Pipeline Co.   | 5.04  | 0.00            | 0.00             | 0.00            | Yes        |
| Skyworks Solutions, Inc.  | 0.01  | 0.00            | 0.00             | 0.00            | Yes        |
| Solar World Industries America  | 0.51  | 0.00            | 0.00             | 0.00            | No         |
| Solar World Industries America  | 1.65  | 0.00            | 0.00             | 0.00            | Yes        |
| Southern California Edison Co.  | 0.00  | 52.68           | 0.22             | 0.16            | No         |
| St. John's Regional Medical Center  | 0.00  | 0.18            | 0.00             | 0.00            | No         |
| Sully Miller Contracting Co.  | 0.36  | 1.51            | 3.33             | 0.02            | Yes        |
| Technicolor Home Entertainment  | 0.01  | 0.00            | 0.00             | 0.00            | Yes        |
| TEG Oil & Gas USA, Inc.   | 0.30  | 0.00            | 0.00             | 0.00            | No         |
| The Boeing Company  | 0.45  | 0.01            | 0.00             | 0.00            | No         |
| The Boeing Company  | 0.25  | 2.81            | 0.61             | 0.57            | Yes        |
| The Termo Company   | 0.05  | 0.00            | 0.00             | 0.00            | Yes        |
| Unocal  | 4.45  | 0.00            | 0.00             | 0.00            | Yes        |
| Vaca Energy, LLC  | 2.48  | 0.00            | 0.00             | 0.00            | No         |
| Vaca Energy, LLC  | 3.46  | 0.51            | 0.03             | 0.01            | Yes        |
| Vaquero Energy  | 0.53  | 0.79            | 0.00             | 0.00            | No         |
| Venoco, Inc.  | 0.22  | 19.54           | 0.05             | 0.00            | No         |
| Venoco, Inc.  | 9.49  | 6.13            | 0.79             | 0.14            | Yes        |
| Ventura County APCD Board   | 55.00 | 0.00            | 0.00             | 0.00            | No         |
| Vintage Production California LLC   | 85.46 | 59.65           | 0.32             | 0.02            | No         |
| Vintage Production California LLC   | 1.56  | 83.66           | 1.47             | 0.14            | Yes        |
| Waste Management of California  | 0.00  | 16.09           | 0.00             | 0.00            | No         |

Each balance above represents one or more ERC Certificates. If there is a "Limitation" on a balance, no reactive organic compound or nitrogen oxide emission reduction credits in that balance may be used for emission offsets at a stationary source that has permitted emissions greater than 25 tons per year of that pollutant. (See Rule 26.4.D.3 for details).

A more detailed report is available on the forms page (under Downloads-Permits-ERC Report-Emission Reduction Credits) on the District website ([www.vcapcd.org](http://www.vcapcd.org)). If you have any questions, please contact Kerby E. Zozula, Engineering Division Manager, at 805/645-1421.

**Permit Activities  
December 2012**

| <b>Authorities to Construct</b> | <b>Month</b> | <b>Permits to Operate</b> | <b>Month</b> |
|---------------------------------|--------------|---------------------------|--------------|
| Permits Requested               | 5            | Permits Requested         | 17           |
| Permits Issued                  | 5            | Permits Issued            | 10           |
| Applications Under Review       | 24           | Applications Under Review | 88           |
| Sources Holding Permits         | 90           | Sources Holding Permits   | 1396         |
| Average Turnaround Time         | 7.4 weeks    | Average Turnaround Time   | 10.3 weeks   |

**Authority to Construct Applications Received  
December 2012**

| <b>Permit</b> | <b>Facility</b>              | <b>City</b>   | <b>Project Description</b>     |
|---------------|------------------------------|---------------|--------------------------------|
| 00012-240     | Tenby Production Facility    | Oxnard        | Drill Nineteen (19) New Wells  |
| 00041-1450    | Aera Energy LLC              | Ventura       | Three (3) Replacement Wells    |
| 00990-290     | Seneca Resources Corporation | Fillmore      | Adding/Replacing Oil Equipment |
| 08062-110     | HBH Ranch Oil Development    | Oxnard        | Extension AC - 100             |
| 08175-100     | Atria Hillcrest              | Thousand Oaks | New Emergency Diesel Engine    |

**Authorities to Construct Issued  
December 2012**

| <b>Permit</b> | <b>Facility</b>               | <b>City</b>  | <b>Project Description</b>         |
|---------------|-------------------------------|--------------|------------------------------------|
| 00053-450     | Vintage Production California | Santa Paula  | Drill Two (2) Ptansky Wells        |
| 01291-530     | Skyworks Solutions, Inc.      | Newbury Park | New RIE Tool                       |
| 08062-110     | HBH Ranch Oil Development     | Oxnard       | Extension AC - 100                 |
| 08151-100     | Agromin                       | Oxnard       | Install Pyrolysis Unit             |
| 08166-100     | H & H Auto Body               | Oxnard       | New Motor Vehicle Coating Facility |

**Permit to Operate Applications Received  
December 2012**

| <b>Permit</b> | <b>Facility</b>                   | <b>City</b>   | <b>Project Description</b>           |
|---------------|-----------------------------------|---------------|--------------------------------------|
| 00012-251     | Tenby Production Facility         | Oxnard        | Rule 74.16 Exemption – 19 Wells      |
| 00013-341     | Mandalay Generating Station       | Oxnard        | Part 70 Administrative Amendment     |
| 00053-423     | Vintage Production California     | Santa Paula   | Operate Well No. Stewart - 17        |
| 00053-424     | Vintage Production California     | Santa Paula   | Operate Well No. NR-20               |
| 00058-295     | Vintage Production California     | Piru          | Operate Torrey No. 117               |
| 00065-291     | Ormond Beach Gen. Station         | Oxnard        | Part 70 Administrative Amendment     |
| 00263-151     | Saticoy Lemon Association/Plant 4 | Oxnard        | Operate Air Heater                   |
| 00493-161     | Hamp Fee Lease                    | Santa Paula   | Operate New Tank                     |
| 00520-491     | SolarWorld Industries America LP  | Camarillo     | Shutdown – Create ERCs               |
| 00990-261     | Seneca Resources Corporation      | Fillmore      | Operate Replacement Wells            |
| 01006-551     | Naval Base Ventura County         | Port Hueneme  | Equipment List Modifications         |
| 01030-121     | PRE Resources, LLC                | Fillmore      | Rule 74.16 Exemption – Well No. S-16 |
| 01291-531     | Skyworks Solutions, Inc.          | Newbury Park  | Operate New RIE Tool                 |
| 07532-T01     | Thousand Oaks Surgical Hospital   | Thousand Oaks | Transfer of Ownership – LRRMC        |
| 07853-111     | Camarillo Police Department       | Camarillo     | Diesel Engine Replacement Project    |
| 08166-101     | H & H Auto Body                   | Oxnard        | New Motor Vehicle Coating Facility   |
| 08174-101     | REI (Building 5330)               | Oxnard        | New Emergency Diesel Engine          |

**Permits to Operate Issued  
December 2012**

| <b>Permit</b> | <b>Facility</b>               | <b>City</b> | <b>Project Description</b>        |
|---------------|-------------------------------|-------------|-----------------------------------|
| 00041-1361    | Aera Energy LLC               | Ventura     | Replace Hartman Water Tank        |
| 00041-1383    | Aera Energy LLC               | Ventura     | New Well Hartman No. 19           |
| 00041-1401    | Aera Energy LLC               | Ventura     | BYIS Heater- Replace Burner       |
| 00050-191     | Thompson Oil Company, Inc.    | Fillmore    | Existing Oilfield Flare           |
| 00054-311     | Vintage Production California | Fillmore    | Operate Soundvave No. 1           |
| 01179-161     | The Termo Company             | Santa Paula | Modify Tank Batteries             |
| 01331-111     | Automobile Exchange           | Oxnard      | Motor Vehicle Coating Operations  |
| 05765-141     | USA Gasoline #68135           | Fillmore    | Replace Dispensers Vapor Recovery |
| 05866-141     | USA Gasoline # 68183          | Oxnard      | Replace Dispensers Vapor Recovery |
| 08159-101     | Howard Press                  | Camarillo   | New Graphic Arts Operation        |

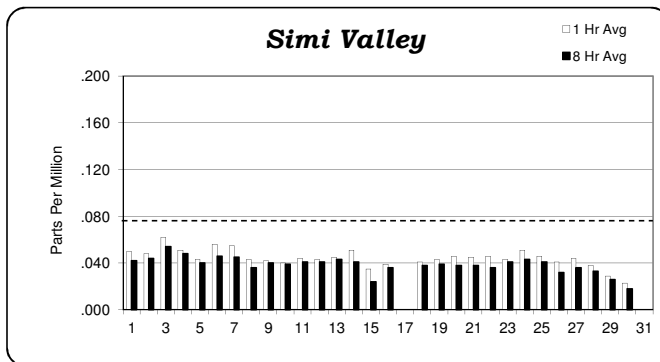
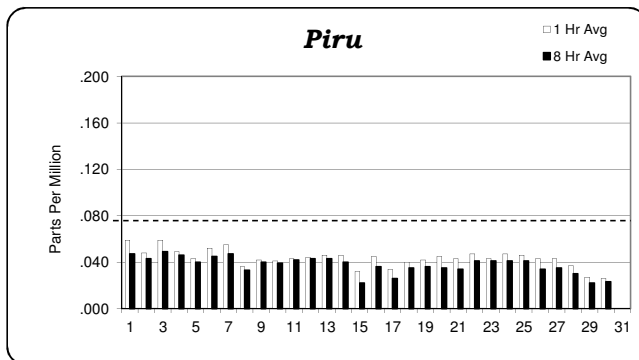
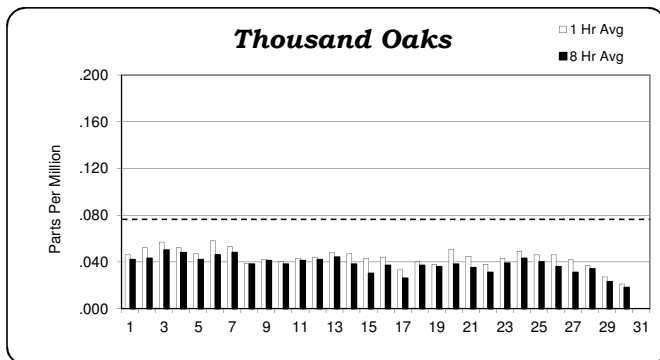
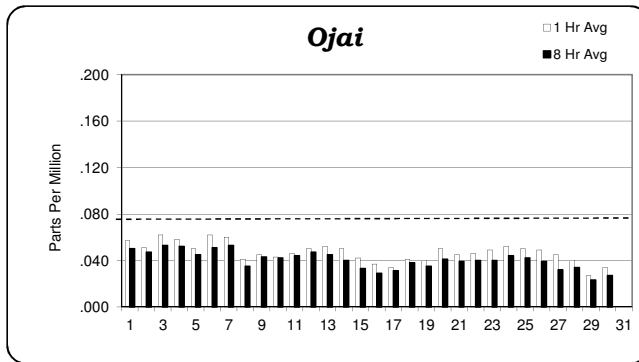
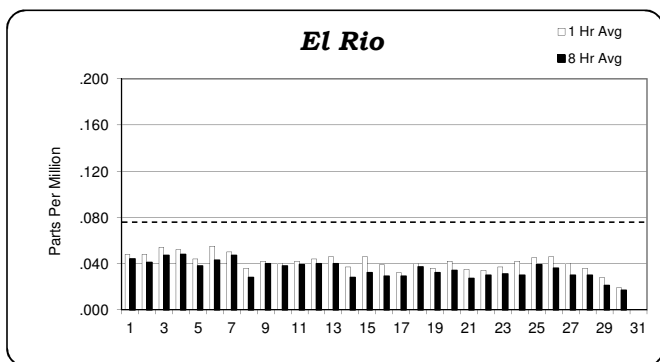
# Ozone Report

NOVEMBER 2012

The levels of the California 1-hour standard, the National 8-hour standard, and the California 8-hour standard were not exceeded in November. The maximum 1-hour average was .062 ppm at Simi Valley and at Ojai; the maximum 8-hour average was .054 ppm at Simi Valley.

## OZONE DATA THROUGH 12/31/2012

| Monitoring Station            | Exceedance Days |      |          | Maximum Concentration   |       |
|-------------------------------|-----------------|------|----------|-------------------------|-------|
|                               | State           |      | National | Parts Per Million (ppm) |       |
|                               | 1-hr            | 8-hr | 8-hr     | 1-hr                    | 8-hr  |
| El Rio – Rio Mesa School #2   | 0               | 0    | 0        | 0.082                   | 0.065 |
| Ojai – Ojai Avenue            | 2               | 24   | 9        | 0.099                   | 0.082 |
| Piru – 3301 Pacific Avenue    | 0               | 14   | 1        | 0.086                   | 0.076 |
| Simi Valley – Cochran Street  | 3               | 24   | 14       | 0.106                   | 0.088 |
| Thousand Oaks – Moorpark Road | 0               | 2    | 0        | 0.090                   | 0.076 |



### PPM AIR QUALITY STANDARD

- .070 CALIFORNIA 8 HR AVG CLEAN AIR STANDARD
- .075 NATIONAL 8 HR AVG CLEAN AIR STANDARD
- .090 CALIFORNIA 1 HR AVG CLEAN AIR STANDARD
- .150 CALIFORNIA 1 HR AVG HEALTH ADVISORY  
Avoid prolonged vigorous outdoor exercise.  
Sensitive individuals avoid all outdoor activity.