

SKY LINES

Monthly Report of the Ventura County Air Pollution Control District 

July 2013

APCD Board gives direction on hydraulic fracturing

At its June 11 meeting, the Ventura County Air Pollution Control Board directed the District to take some actions regarding hydraulic fracturing (fracking) but did not approve beginning the development of a rule. One of the main reasons the Board (in a tie vote) opposed a District rule was that it could not be legally adopted until 2014 and that is close to when California's Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) regulations are scheduled for adoption. Many felt it would be a duplicate effort.

Over 50 people attended the public hearing and ten individuals representing local business, Chambers of Commerce, the petroleum industry, and environmental groups provided testimony. In the end, the Board directed the air pollution control officer, Mike Villegas, to take the following actions:

- Work with the South Coast Air Quality Management District (SCAQMD) using their data collected from Rule 1148.2 to better

determine if APCD rules should be amended to address air emissions associated with hydraulic fracturing.

- Monitor the development of California's Department of Conservation, Division of

**DISTRICT STAFF IS
COMMITTED TO MAKING
SURE AIR EMISSIONS
FROM HYDRAULIC
FRACTURING ARE
APPROPRIATELY
ADDRESSED**

Oil, Gas, and Geothermal Resources' (DOGGR) proposed hydraulic fracturing regulation and provide comments as appropriate and report back to the Board quarterly on the DOGGR progress.

According to Villegas, "District staff is committed to making sure air emissions from hydraulic fracturing are appropriately addressed." This direction follows the May 2013 decision by the Ventura County Board of

Supervisors to change its land-use policy to regulate fracking. This would make county managers include questions about hydraulic fracturing in applications submitted by companies that want permission to operate in the county.

What is fracking?

Public concerns are high. Fracking has become a controversial concern lately due to numerous newspaper articles, films, and celebrity activism. Emotions run high on both sides of the issue. But what exactly is it and how much do we know about its effects?

Fracking was first introduced in Kansas in 1947. Now, it is a regular practice and has been used in California for over 30 years with no reported negative effects. It involves the high-pressure
(Continued page 3)



Happy Independence Day 2013

APCD Calendar

AIR POLLUTION CONTROL BOARD

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

Next meetings: September
10, 2013

APCD ADVISORY COMMITTEE

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

Next meeting: August 27,
2013

CLEAN AIR FUND ADVISORY COMMITTEE

Anacapa Conference Room
669 County Square Drive,
2nd 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

Next meeting: To Be
Announced

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: August 9,
2013

APCD RULE WORKSHOPS

See Rule Update section.

Air Pollution Control Board

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

Ventura County

Air Pollution Control District

669 County Square Drive, 2nd Floor
Ventura, CA 93003

Air Pollution Control Officer

Michael Villegas

Skylines

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Directory

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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

injection of a large mix of fluids underground, including water, sand, and chemicals, to crack open or “fracture” layers of rock. When the fluids are removed, the sand keeps open the cracks left by the fracturing allowing oil or natural gas to flow back to the well. This technology makes it possible to extract natural gas and oil from “unconventional” resources trapped in rock formations thousands of feet underground (generally 5,000 – 20,000 feet).

In California, the target is mostly oil. The United States Environmental Protection Agency (U.S. EPA) is currently conducting a study to better understand any potential impacts of hydraulic fracturing on drinking and ground water and air quality. The study is scheduled for completion in late 2014.

The National Petroleum Council estimates that hydraulic fracturing will eventually account for nearly 70 percent of natural gas development in North America. It also states that without the use of hydraulic fracturing 45 percent of natural gas production and 17 percent of oil production in the U.S. would be lost.

In California, the Monterey shale deposit is the largest oil shale formation in the continental United States. It runs from Northern California to Los Angeles and contains approximately 15 billion barrels of oil, about 64 percent of the country’s deep rock deposits.

In Ventura County a typical oil and gas well may take 30 to 90 days to drill; one to five days to complete; and may produce for up to 20 years or more.

According to fracfocus.org (the Ground Water Protection Council & Interstate Oil and Gas Compact Commission’s site created to provide the public access to reported chemicals used for hydraulic fracturing within their area) about 10 wells in Ventura County have been fracked in the last few years. The District’s major concerns with fracking include diesel exhaust emissions from the fracking engines and the “flowback” from the well that returns to the surface after it is fracked. Flowback includes oil, gas, produced water, sand, and the frack fluids injected into the well.



SCIENTISTS USED HYDRAULIC FRACTURING TO CREATE A HEAT EX-TRACTION LOOP IN THE HOT GRANITIC ROCK UNDER THE JEMEZ PLATEAU IN NEW MEXICO.
(Photo with permission from the U.S. Department of Energy)

Recent actions in California

The State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources released a discussion draft of fracking

regulations on December 18, 2012, and is currently conducting public workshops throughout the state in an effort to finalize these fracking regulations. The DOGGER regulations include requirements such as well bore integrity and zonal isolation, pre-fracking notification, monitoring of fracking operations, post-fracking disclosure including the limited disclosure of trade secrets, and the storage and handling of frack fluids. The finalization of these regulations is expected in summer 2014.

In April, the South Coast Air Quality Management District (Los Angeles, Orange, Riverside, and the non-desert portions of San Bernardino Counties)) adopted California’s first comprehensive notification and reporting requirements (Rule 1148.2) to provide information needed to assess air quality and health effects from oil and gas drilling in the region. The rule differs from the DOGGR in that the information required is related to air quality data that is not specified in the DOGGR’s discussion draft. Rule 1148.2 covers other activities in addition to hydraulic fracturing, including well drilling, acidizing, gravel packing, and rework activities. The area includes 273 facilities operating approximately 4,614 onshore oil and gas wells in the Southland. For details on this rule, visit aqmd.gov.

In May, the California Senate approved fracking legislation with SB4 (Pavely, District 27, including the

Ventura County cities of Simi Valley, Moorpark and Thousand Oaks). The legislation would require public noticing before fracking can take place, disclosure of chemicals and an independent scientific study of fracking and its risks to California. In her news release dated May 29, Senator Fran Pavley states, "California has thus far lagged behind states such as Texas and Wyoming in

its failure to monitor or regulate fracking within its borders. The oil industry has argued that fracking has occurred in California for decades without incident but few records exist that could verify or refute such a claim." The legislation will now go to the State Assembly. The process could take many months to complete.

For more information, visit FracFocus.com or contact the APCD Engineering Division manager Kerby Zozula at 645-1421 or Kerby@vcapcd.org.

(Sources: U.S. EPA; U.S. Department of Energy; California Department of Conservation, Division of Oil, Gas & Geothermal Resources; Senator Fran Pavley news release 5/29/13; National Petroleum Council; South Coast Air Quality Management District; Ventura County Air Pollution Control District's Board letter 6/11/13)

AirLines

Board highlights. June 11 & 25. Due to public notification requirements for the APCD FY 2013/2014 budget, there were two Board meetings in June.

June 11

- **Public hearing on the APCD Fiscal Year 2013/2014 budget.** Contact **Nancy Mendoza** at **645-1402** for budget details.
- **Received and filed Comprehensive Audit for FY ending June 30, 2012.** Audit was conducted by the external auditor Vavrinek, Trine Day & Co., LLP. It found no material weaknesses in the APCD financial system.
- **Received and filed report on Ventura County air quality and hydraulic fracturing.** (See feature article.)

June 25

- Reappointed **Michael Stubblefield** and **Stephen Craig** to the public member positions on the APCD Hearing Board.

- Adopted **the District's Fiscal Year 2013-2014 Final Budget.** For more information, contact Mike Villegas at 645-1440.
- **Approved donation of surplus trace carbon monoxide analyzer to South Coast Air Quality Management District (SCAQMD).** The equipment is now surplus to current APCD operations due to a PAMS (photo-chemical assessment monitoring stations) restructuring that concentrates on high population density areas to monitor CO. The SCAQMD has and will continue to have PAMS sites where the trace CO analyzer is needed for several more years.
- Received and filed California Air Resources Board audit of VCAPCD's implementation of state-sponsored incentive programs that includes the **Carl Moyer Program**, the **Lower-Emission School Bus Program**, and the **Air Quality Improvement Program.**

- Cancellation of **July and August 2013** APCD Board meetings.



Happy summer.

Remember to check out the District's **The Air Zone** for lots of summertime environmental

tips. There are pointers for booking green hotels, packing a "sustainable suitcase," and vacationing closer to home. Here are a few tips for "green camping."

- **Ditch the disposables.** Reduce trash from using plastic plates and utensils. Use plates, utensils and cups that can be washed with biodegradable, phosphate-free soap and reused.
- **At the campfire.** Don't burn plastic, metals or woods treated with chemicals. And consider LED lanterns and flashlights.
- **Leave no trace.** Use trash receptacles when available,

otherwise, take care to take out everything you bring into your camping area. And if you are hiking, pack it out.

Call **645-1415** for a copy or download the PDF on the

APCD website. And have a great summer!

FOCUS on climate change

From the United States Environmental Protection Agency's second edition of its report, *Climate Change Indicators (2012)*.



U.S. Greenhouse Gas Emissions. In the United States, greenhouse gas emissions caused by human activities increased by 10 percent from 1990 to 2010. Carbon dioxide accounts for most of the nation's emissions and most of this increase. Electricity generation is the largest source of greenhouse gas emissions in the U.S., followed by transportation. Emissions per person have decreased slightly in the last few years.

Global Greenhouse Gas Emissions. Worldwide, emissions of greenhouse gases from human activities increased by 26 percent from 1990 to 2005. Emissions of carbon dioxide, which account for nearly three-fourths of total emissions, increased by 31 percent over this period. As with the United States, the majority of the world's emissions result from energy production.

Atmospheric concentrations of Greenhouse Gases. Concentrations of carbon dioxide and other greenhouse gases in the atmosphere have increased since the beginning of the industrial era. Almost all of this increase is attributable to human activities. Historical measurements show that current levels of many greenhouse gases are higher than any levels recorded for

hundreds of thousands of years, even after accounting for natural fluctuations.

U.S. and Global Temperatures. Average temperatures have risen across the contiguous 48 states since 1901, with an increased rate of warming over the past 30 years. Seven of the top 10 warmest years on record have occurred since 1990. Recent compilations of the change in global average temperatures show a similar trend, and 2001 – 2010 was the warmest decade on record worldwide. Within the United States, temperatures in parts of the North, the West, and Alaska have increased the most.

High & low temperatures. Since the 1970s, unusually hot summer temperatures have become more common in the United States, and heat waves have become more frequent. In contrast, extremely cold winter temperatures have become less common. The most recent decade has had twice as many record high temperatures as record lows. The most severe heat waves in U.S. history remain those that occurred during the "Dust Bowl" in the 1930s.

More indicators next month.

Rule Development Update

Visit www.vcapcd.org/rules_division.htm

Recent Board Actions

Permit Fees (Rule 42 – Revised) On April 9, 2013, the Air Pollution Control Board adopted revisions to Rule 42, Permit Fees, to increase annual permit renewal fee rates by 3.0 percent, effective July 1, 2013. In comparison, the state Consumer Price Index (CPI) increased 6.1 percent since the last time these fee rates were revised in 2011. Permit fees were not increased in 2012. For most permittees, this increase in permit renewal fee rates will increase their permit renewal fees by \$16.00 per year. For additional information, contact **Chris Frank** at **805/645-1409** or chris@vcapcd.org.

Rule Workshops

Rule 74.31, Metalworking Fluids and Direct Contact Lubricants

District staff will conduct a public workshop on proposed new Rule 74.31, which is based on South Coast AQMD Rule 1144. Staff is proposing to reduce Reactive Organic Compound (ROC) emissions from the use of metal working fluids and direct contact lubricants. Staff has estimated ROC emission reductions of 41 tons per year, and the cost-effectiveness is \$0.40 per pound of ROC reduced based on SCAQMD estimates. The meeting notice and rule summary may be downloaded below.

The public consultation meeting will occur in the first floor meeting room at 2:30 p.m. on Monday, July 1, 2013, at the Ventura County Air Pollution Control District offices, 669 County Square Drive, Ventura, CA 93003.

Please direct any comments, questions, or requests for additional information to Stan Cowen at (805) 645-1408. Written comments may be mailed to 669 County Square Drive, Ventura, CA, 93003, faxed to (805) 645-1444, or e-mailed to stan@vcapcd.org.

Rule 54, Sulphur Compounds

District staff will conduct a public workshop on proposed revisions to District Rule 54, Sulfur

Compounds. Staff is proposing to add the 2010 sulfur dioxide (SO₂) National Ambient Air Quality Standard (NAAQS) as a ground or sea level concentration limit to the rule's current concentration limits based on the California ambient air quality standards (CAAQS) for SO₂. Staff also proposes adding a description of the design value that must be calculated to compare to the 2010 SO₂ NAAQS concentration limit to determine compliance with the rule.

The public workshop will occur in the first floor meeting room at 2:00 p.m. on Wednesday, August 7, 2013, at the Ventura County Air Pollution Control District offices, 669 County Square Drive, Ventura, CA 93003.

Please direct any comments, questions, or requests for additional information to Tyler Harris at (805) 645-1407. Written comments may be mailed to 669 County Square Drive, Ventura, CA, 93003, faxed to (805) 645-1444, or e-mailed to tyler@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 heaters 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 requirements 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 must be certified by the South Coast AQMD requirements outlined in South Coast AQMD Rule 1146.2. Source testing must be performed at initial installation and every 4 years thereafter for boilers in this size range. Annual screening for NOx and CO emissions is required except when a source test of the unit is performed.

Requirements 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 is still be required every two (2) years for boilers between 2 and 5 million BTUs/hr, and screenings are not required when a source test is performed.

Requirements 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.

Enforcement Update

Enforcement Activities MAY 2013					
Inspections	Month	Fiscal Year	Violations	Month	Fiscal Year
Asbestos Inspections	5	42			
Breakdowns Received and Investigated	8	80	Notices of Violation Issued	12	132
Complaints Received and Investigated	22	183	Cases Settled after Office Conference	16	153
Emergency Engine Verifications	0	417			
New Business	22	86			
Total: Permit/Other Inspections/Verifications	221	2,603	Total: Settlement/Fines	\$139,531	\$384,906*

Note: *The Fiscal Year total was adjusted to include only penalties that were paid during the 2013 fiscal year. Some previous 2013 Fiscal Year totals may have included penalties that were collected during the prior fiscal year.

Sources Operating Under Variance MAY 2013					
No./Type	Facility/Location	Source	Rule	End Date	Status

Sources Operating Under Stipulated Conditional Order of Abatement MAY 2013					
No.	Facility/Location	Source	Rule	End Date	Status

NOV No	Facility Name	Phys City	Comment	NOV Date
022789	The California Mushroom Farm, Inc.	Ventura		5/3/2013
022909	USA Gasoline #68174	Newbury Park	Operating Without A Permit - Gasoline Dispensing	5/6/2013
022910	Sycamore Shell	Simi Valley	Permit Condition Not Met - Exceeding Throughput	5/15/2013
022964	Jr's Body Shop	Oxnard	Operating Without A Permit - Automotive Refinishing Operation	5/17/2013
023023	The California Mushroom Farm, Inc.	Ventura		5/30/2013
023106	Circle K #2709460	Oxnard	CARB Title 17 Defect-PHI/II - V.R. System Testing Failure	5/8/2013
023107	Andreas Produce	Oxnard	Excessive Visible Emissions - Engine	5/24/2013
023108	Herald Printing	Saticoy	Exceeding VOC Limits - Cleaning Solvents	5/29/2013
023207	Vaquero Energy, Inc.	Fillmore	Operating Without A Permit - Oilfield	5/7/2013
023208	Aera Energy LLC	Ventura	Exceeding Leak Rate Threshold - Oilfield Components	5/28/2013
023251	Procter & Gamble Paper Prods.	Oxnard	Exceeding NOx Emission - Gas Turbine	5/22/2013
023252	Procter & Gamble Paper Prods.	Oxnard	Permit Condition Not Met - Gas Turbine	5/22/2013

Engineering Update

ERC Balances by Company (Units – Tons per Year)					
As of June 18, 2013					
Company Name	ROC	NO _x	PM ₁₀	SO _x	Limitation
ABA Energy Corporation	3.72	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	1.77	0.19	0.00	0.00	No
Dos Cuadras Offshore Resources	0.00	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
LWFP, LLC	0.00	0.00	0.57	0.00	No
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 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

ERC Balances by Company (Units – Tons per Year) As of June 18, 2013					
Company Name	ROC	NO _x	PM ₁₀	SO _x	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	0.07	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	80.59	56.19	0.27	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). If you have any questions, please contact Kerby E. Zozula, Engineering Division Manager, at 805/645-1421.

**Permit Activities
May 2013**

Authorities to Construct	Month	Permits to Operate	Month
Permits Requested	14	Permits Requested	25
Permits Issued	4	Permits Issued	14
Applications Under Review	42	Applications Under Review	94
Sources Holding Permits	90	Sources Holding Permits	1389
Average Turnaround Time	7.0 weeks	Average Turnaround Time	5.7 weeks

**Authority to Construct Applications Received
May 2013**

Permit	Facility	City	Project Description
00041-1490	Aera Energy LLC	Ventura	Four (4) New Oil Wells
00048-260	Venoco, Inc. – West Montalvo	Oxnard	Replace Emergency Flare – M4P Lease
00053-520	Vintage Production California	Santa Paula	Replace Three (3) Flares
00066-290	Maulhardt Lease – Oxnard	Oxnard	Drill Two New Wells – DM No. 2 & JM No. 3
00396-450	Venoco, Inc. – West Montalvo	Oxnard	Replace Emergency Flare – 735 Lease
01491-320	Platform Gina	Offshore Ventura	Engine Modifications – RICE NESHAP
01492-380	Platform Gilda	Offshore Ventura	Engine Modifications – RICE NESHAP
07249-150	Gooch & Housego (California)	Moorpark	Replace Vapor Degreaser
07372-130	Advanced Structural Alloys	Oxnard	Install New Preheat Furnace
07749-140	Bruker Nano, Inc.	Camarillo	New Processes and Equipment
07915-240	Vaca Energy, Hunsucker Lease	Oxnard	Install Replacement Flare
08188-100	American Botanical Pharmacy	Oxnard	Dietary Supplement Production Facility
08190-100	Thousand Oaks Hub	Thousand Oaks	Install New Emergency Generator
08191-100	Pulse Device Lab	Oxnard	Install Diode Manufacturing Equipment

**Authorities to Construct Issued
May 2013**

Permit	Facility	City	Project Description
00008-850	Vintage Production California	Ventura	Tank Installation Project
00053-470	Vintage Production California	Santa Paula	Install New Process Heater
00990-310	Seneca Resources Corporation	Fillmore	Drill Six (6) Replacement Wells
01494-510	Platform Gail	Offshore Ventura	Engine Modifications – RICE NESHAP

**Permit to Operate Applications Received
May 2013**

Permit	Facility	City	Project Description
0004-391	Vintage Production California	Santa Paula	Part 70 Administrative Amendment
00008-861	Vintage Production California	Ventura	Part 70 Administrative Amendment
00012-271	Tenby Production Facility	Oxnard	Part 70 Administrative Amendment
00015-421	Procter & Gamble Paper Prods.	Oxnard	Part 70 Administrative Amendment
00015-441	Procter & Gamble Paper Prods.	Oxnard	Increase CO Emissions – LM 6000
00015-441	Procter & Gamble Paper Prods.	Oxnard	Part 70 Reissuance 2014
00053-426	Vintage Production California	Santa Paula	Operate Well No. Stewart – 19
00053-427	Vintage Production California	Santa Paula	Operate Well No. NR-29
00053-428	Vintage Production California	Santa Paula	Operate Well No. NR-30
00066-301	Maulhardt Lease – Oxnard	Oxnard	Rule 74.16 – Wells DM No. 2 & JM No. 3
00082-211	Crimson Pipeline Harbor Station	Ventura	Remove 135,000 BBL COST
00232-451	Santa Susana Field Laboratory	Simi Valley	Remove Equipment and Decrease Limits
00365-171	Vaquero Energy, Inc.	Fillmore	Modify Existing Flare
00569-T01	Southern Counties Oil Company	Oxnard	Transfer of Ownership – SCOC
00984-461	Vintage Production California	Fillmore	Revise Rule 74.16 (Revise No. 411)
00990-291	Seneca Resources Corporation	Fillmore	Operate Heater Treater
01030-131	PRE Resources, LLC	Fillmore	Install/Operate Temporary Well Engine
01207-651	Naval Base Ventura County	San Nicolas Island	Specify Engines as Out of Service
01311-201	Technicolor Home Entertainment	Camarillo	Shut Down Stage VII – Bank ERCs
05665-T01	Arco #42054	Ventura	Transfer of Ownership - Tesoro
06116-181	USA Gasoline #68174	Newbury Park	Operate Existing Gasoline Tank
07537-T01	PEGH Investments, LLC	Thousand Oaks	Transfer of Ownership – PI
08189-101	ZPower, LLC	Camarillo	Install/Operate New Emergency Engine
08192-101	The Golden State Water Co.	Ojai	Install/Operate New Emergency Engine
08193-101	Conejo Inspection Facility	Newbury Park	Install/Operate New Emergency Engine

**Permits to Operate Issued
May 2013**

Permit	Facility	City	Project Description
00004-391	Vintage Production California	Santa Paula	Part 70 Administrative Amendment
00008-861	Vintage Production California	Ventura	Part 70 Administrative Amendment
00012-271	Tenby Production Facility	Oxnard	Part 70 Administrative Amendment
00015-421	Procter & Gamble Paper Prods.	Oxnard	Part 70 Administrative Amendment
00053-501	Vintage Production California	Santa Paula	Rule 74.16 – One NR & Two Steward Wells
00363-201	DCOR, LLC	Fillmore	Existing Emergency Flare
00493-181	Hamp Fee Lease	Santa Paula	Add Existing Oilfield Flare
00569-T01	Southern Counties Oil Company	Oxnard	Transfer of Ownership – SCOC
04023-T01	Majesty Cleaners	Camarillo	Transfer of Ownership – MC
04109-121	Thrifty Cleaners	Camarillo	Replace Dry Cleaning Machine
07407-121	Global Auto Processing Services	Port Hueneme	Operate Existing Emergency Engine
07537-T01	PEGH Investments, LLC	Thousand Oaks	Transfer of Ownership – PI
08032-101	Fire Station #43	Simi Valley	Emergency Diesel Engine
08176-101	RSA Engineered Products, LLC	Simi Valley	Relocate and Modify Equipment

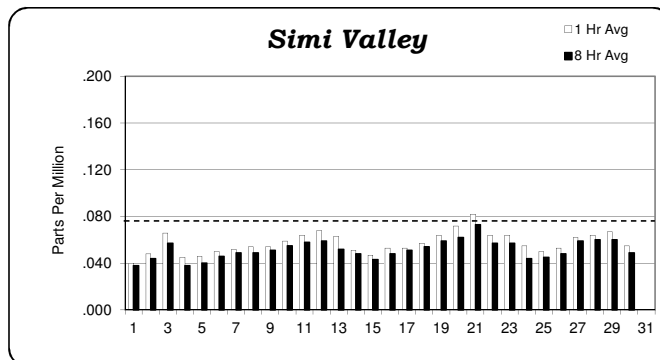
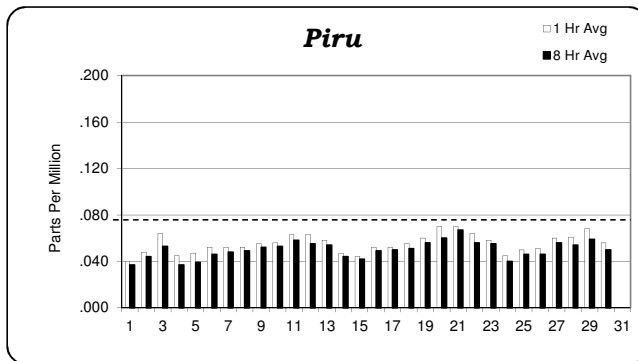
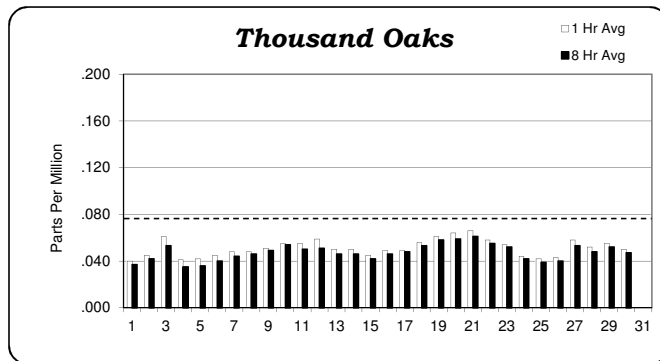
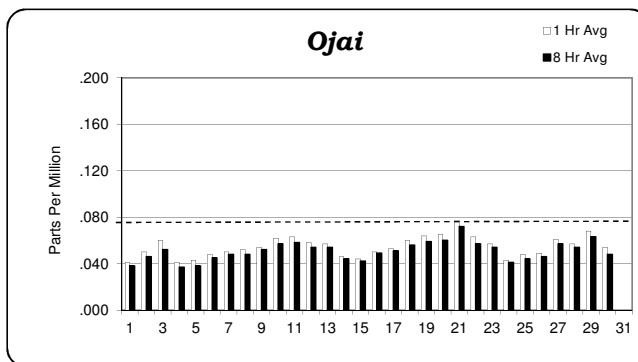
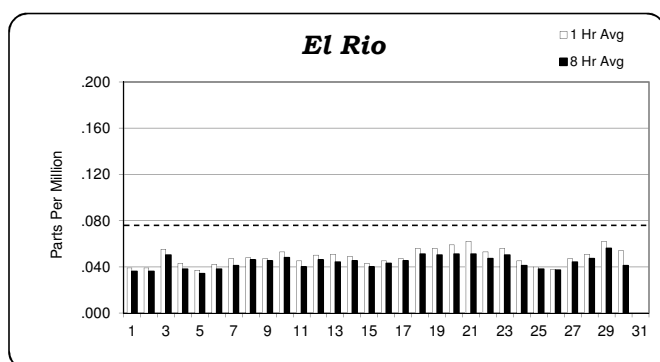
Ozone Report

APRIL 2013

The levels of the California 1-hour standard and the National 8-hour standard were not exceeded in April. The level of the California 8-hour standard was exceeded on one day at Ojai and Simi Valley. The maximum 1-hour average was .082 ppm at Simi Valley; the maximum 8-hour average was .073 ppm at Simi Valley.

OZONE DATA THROUGH 6/25/2013

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	0.067	0.063
Ojai – Ojai Avenue	0	4	1	0.092	0.078
Piru – 3301 Pacific Avenue	0	2	1	0.090	0.078
Simi Valley – Cochran Street	1	6	2	0.097	0.087
Thousand Oaks – Moorpark Road	1	1	1	0.099	0.081



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.