

SKY LINES

Monthly Report of the Ventura County Air Pollution Control District 

MARCH 2011

Climate Change Update 2011

by APCD engineer Don Price

The landscape has certainly changed since our last climate change update in 2010. In June 2010, EPA finalized rules limiting greenhouse gases (GHGs) from light duty vehicles and is proceeding with permitting requirements for large industrial sources. This included guidelines for reducing GHGs from these sources, which recommend clean fuels and efficient energy use.

EPA is also moving to develop regulations to limit GHGs from power plants and oil refineries. U.S. EPA Administrator Lisa Jackson says, "We are following through on our commitment to proceed in a measured and careful way to reduce GHG pollution that threatens the health and welfare of Americans." Emission reductions may be required by 2016.

In the meantime, climate scientists vowed to speak up and defend themselves. With some congressional factions and states challenging regulations on man-made GHGs, the American Geophysical Union

plans to have up to 700 climate scientists available to speak as experts on climate change issues. Scientists have realized the notion that "truth will prevail" is not working. Many scientists are also affiliated with the Climate Science Rapid Response Team, a group dedicated to providing accurate information from top researchers in climate-related fields. In addition, a number of conservative and evangelical Christian scientists have begun speaking to climate change deniers, emphasizing their conservative credentials.

Here in California

Proposition 23 was defeated in the November elections. It would have suspended the California 2006 Global Warming Solutions Act until state unemployment was less than 5.5 percent. In December, the California Air Resources Board adopted the Cap and Trade regulation that will go into effect in 2012. The program will impact the state's 600 largest greenhouse gas emitters.

Other interesting news

Warming effect of melting ice fields are stronger than predicted. When a vast expanse of white arctic sea ice melts, an equally vast expanse of dark ocean water or land mass replaces it. Climate models have been predicting melt rates for arctic sea ice for many years. However, a team from the University of Michigan has measured the actual decrease in arctic sea ice from 1979 to 2008 and found that the melt rate is much larger than predicted by the climate models. This conclusion was reached using field measurements

(continued on page 3)



**LAWNMOWER PROGRAM
UPDATE — SEE PAGE 5**

AIR POLLUTION CONTROL BOARD

March 8, 2011

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

APCD ADVISORY COMMITTEE

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

CLEAN AIR FUND ADVISORY COMMITTEE

To Be Announced

5 p.m.
Large Conference Room
669 County Square Drive
Ventura

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

March 16, 2011

Wednesday, 10:00 a.m.
Santa Barbara APCD
260 North San Antonio Road
Santa Barbara

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

APCD RULE WORKSHOPS

See Rule Update section.

Air Pollution Control Board

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

Ventura County

Air Pollution Control District
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Air Pollution Control Officer

Michael Villegas

Skylines

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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	645-1403
Permit renewal	645-1404
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Hotline	800/559-SMOG
Email address	info@vcapcd.org

and satellite observations. Although this is one of many factors that will influence future climate, the findings increase the urgency to reduce greenhouse gas emissions worldwide.

Fuel cell power made cheaper

In an effort to expand the fuel cell technology market, BloomEnergy is now offering their product in a new and more economical way. Rather than purchasing an \$800,000 fuel cell system, the company will install and maintain ownership of the equipment and sell the electricity to businesses via a 10 year contract. These power-purchase agreements will enable small and medium sized businesses to participate in the technology as well as additional larger businesses. Around 22,000 fuel cells were shipped to customers around the world in 2009, up 40 percent from the year before. Although fuel cells consume either natural gas or another biogas fuel, a power-purchase customer can still realize a 20 percent reduction in energy costs.

Incandescent bulbs leave California

January 2011 marked the phase-out of inefficient light bulbs here. Federal requirements will go into effect next year. The rules require new light bulbs to use 25 to 30 percent less energy. The first to go are 100 watt incandescent light bulbs, which will no longer be manufactured and will be available only as long as existing stock lasts. By 2014, other incandescent bulbs, including 75, 60 and 45-watt varieties, will be phased out across the country. Although any

variety of bulb may be able to meet the requirements, compact florescent and LED light systems already comply. California Energy Commission chair Karen Douglas states that "ninety percent of an old fashioned incandescent bulb's energy is wasted in heat." IKEA no longer stocks or sells incandescent bulbs in either the United States or Canada.

Edison signs deals for seven new solar plants

Southern California Edison will build seven new solar photovoltaic power plants by 2016. This will create a total electricity generating capacity of 831 megawatts, a significant increase in renewable solar power capacity for the company, which had 382 MW of solar capacity in 2009.

Natural disasters jumped in 2010

Munich Re AG, a German insurer, says that, due to the level of extreme natural disasters that occurred, 2010 had the sixth highest insurers' losses since 1980 and showed evidence of climate change. Although earthquakes were a major problem, weather-related catastrophes caused significant damage and loss of life. These include the July through September heat wave in Russia and the monsoon floods in Pakistan. Although 12 of the 19 tropical storms became hurricanes, most remained over open sea. "The high number of weather-related natural catastrophes and record temperatures both globally and in different regions of the world provide further indications of advancing climate change," the company stated.

Colorado ditches coal

In an effort to reduce air pollution, Colorado's Public Utilities Commission will replace four coal-fired power plants in Denver with natural gas-fired plants. While nitrogen oxide emissions will be reduced by 86 percent, greenhouse gas emissions are expected to be reduced by 45 percent.

Keeping plug-ins powered up

Now that electric vehicles are on the market, it's becoming important to be able to charge the vehicle batteries when needed. An infrastructure of charging stations existed in the 1990's, but many were removed when electric vehicles were later abandoned. Now, both public and private charging stations are being installed all over Southern California and elsewhere. Gasoline service stations and other business locations plan to install chargers. In Los Angeles, permits for home chargers are being expedited. There is even talk of charging equipment on trucks for emergency situations.

In a related issue, a study by Purdue University has found that, depending on the amount of electricity use for vehicle charging, and the cost, an electric vehicle could be more expensive to own than a gasoline-powered vehicle. A Chevrolet Volt plug-in hybrid could increase an average household's electricity consumption by 60 percent. Since most vehicles are expected to be charged at night, it may be possible to meter them separately at a special rate. Smart metering, which is still in its infancy, could also help reduce charging costs.

Greenhouse gases still increasing

If you think that the economic downturn must have reduced GHGs, think again. U.K. researchers have found that, despite significant GHG reductions from economically strapped western countries, increases

in emissions from developing countries like China and India have made up the difference. This is partially due to the heavy use of high-carbon fuels like coal in these countries. Atmospheric carbon dioxide reached the highest concentration on record in

2009, and concentrations continue to increase.

That's all for now. More updates to follow in the month's ahead.

(Sources: *Los Angeles Times*, *Ventura County Star*)

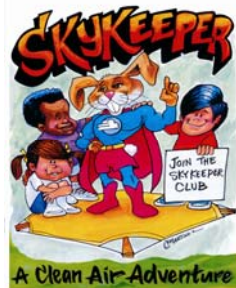
AirLines



“Clean air” placemat available. The APCD’s public information division introduces its latest educational piece: the **Clean Air Kid’s Placemat**. The colorful (and wipeable) placemat depict Skykeeper Rabbit and his friends, Cloudwatcher Kitty, Windrider Parrot, and Air Patrol Dog, helping clean the air with their actions. It also asks the question: Why is air important? The APCD has partnered with the **Boys & Girls Clubs of Ventura County** to distribute 1,500 pieces at their clubs within the county. For more information, call **645-1415**.

And speaking of Skykeeper

For many years, Channel Islands National Park has used APCD’s **Skykeeper Activity Book** as part of its Tidepools to Schools classroom educational program. And this year is no exception. Park ranger and educational coordinator **Carol**



Peterson has just requested additional copies for her school programs. Skykeeper has proved to be a popular character over the years. Since 1996, when he first appeared, over **50,000** copies of the book have been distributed.

Hearing Board Vacancy. The Ventura County Air Pollution Control District is seeking a registered professional engineer interested in serving on its Hearing Board. Applications are being accepted for nominations to the Engineer member position on the APCD’s Hearing Board. Candidates for the position must be licensed in California, and must be residents of Ventura County. The Hearing Board conducts public hearings and is authorized to grant variances from APCD Rules, makes various determinations regarding permits, and arbitrates conflicts between the APCD 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 APCD staff and petitioners. Members are compensated for their time. Candidates for the Hearing Board must reside in Ventura County and should be willing to attend two two-day training classes conducted by the California Air Resources Board. Contact **Keith Duval** at **645-1410** or by email at keith@vcapcd.org.

An Earth Day reminder. The Educator’s Guide to the film, *Air- the search for one clean breath*, is still available to download online. Since its premier in March 2010, the Guide has had over 800 hits. It contains nine original lessons for middle and high school students, all meeting California Educational Standards and Frameworks. Lesson topics include global climate change, transportation, meteorology, clean energy, and many others. The Guide was field tested by California teachers, many of them here in Ventura County. The District can also do teacher trainings on the Guide, and can provide copies of the film DVD to County teachers. For more information, call **645-1415** or email barbara@vcapcd.org.

Lawn mower trade-in program update.

A limited number of vouchers worth \$200 off the price of a cordless electric mower are available now from district staff once you recycle your old gasoline mower. More details

are available on the district website, www.vcapcd.org. There is a link on the bottom of the homepage. More info - - contact: **Stan Cowen** at **645-1408**.

focus

on climate change

The VC Board of Supervisors announces the 3rd Annual Climate Change Action Awards.

Nominations for the **3rd Annual Climate Change Action Awards Program** sponsored by the Ventura County Board of Supervisors are now being accepted. The program recognizes individuals, businesses and groups inside and outside of Government in Ventura County who are making significant contributions to improve our environment by altering their carbon footprint and combating climate change. The program is coordinated by **County Supervisor Steve Bennett's** office. According to Supervisor Bennett, "Many organizations, large and small, public and private, have responded to the risks of global warming by voluntarily implementing measures to reduce their carbon footprint. The Board of Supervisors wants to recognize and honor these individuals and the other dedicated people and groups who are working tirelessly all across Ventura County to turn the tide against Global Warming.

We look forward to celebrating these dedicated citizens and groups and hope you can help us by nominating them for recognition."

Nominations can include, but are not limited to: businesses, business professionals, teachers, journalists, scientists, citizen activists, students, organizations and their employees and representatives, public officials and others committed to protecting public health and preserving our natural surroundings. Deadline for application submittal is **April 3** and, in honoring the spirit of the awards and to reduce carbon emissions, please submit nominations online to steve.bennett@ventura.org. After review, winners will be notified by **April 5, 2011**. There will be an awards ceremony at the Ventura County Government Center on Tuesday April 19, 2011 at 10 am. For more information, call **805-654-2703** or visit <http://climatechange.countyofventura.org>.



The Sky Savers Program is coming this spring. If you are a Ventura County merchant offering environmental products or services, visit www.skysavers.org for more information, or call 435-3103.



Rule Development Update

Visit www.vcapcd.org/rules_division.htm

Air Pollution Control Board

EPA "Tailoring" Rule Revisions (Rules 2, 23, 33, 33.1, 35, 76 – Revised): On April 12, 2011, at 11:00 am, the Air Pollution Control Board will hold a public hearing to consider proposed rule revisions relating to Environmental Protection Agency (EPA) efforts to "tailor" existing federal permitting rules for greenhouse gas emissions.

Currently, the District issues permits for "criteria" air pollutants and hazardous air pollutants. Criteria pollutants include oxides of nitrogen, reactive organic compounds, particulate matter, oxides of sulfur, and carbon monoxide. EPA has recently taken steps to add greenhouse gases (GHGs) to the list of regulated pollutants. Because the thresholds of significance for GHGs are substantially higher than those for criteria and hazardous pollutants, EPA is proposing to "tailor" their regulations to include GHGs. The District has determined that certain revisions to District permitting rules are required to implement EPA's tailoring requirements.

The following rules are proposed for revision:

1. Rule 2, Definitions
2. Rule 23, Exemptions from Permit
3. Rule 33, Part 70 Permits, General
4. Rule 33.1, Part 70 Permits, Definitions
5. Rule 35, Elective Emission Limits
6. Rule 76, Federally Enforceable Limits on Potential to Emit.

Revisions include GHG permitting thresholds, a two-step implementation process, and new definitions. Also, GHGs are being added as regulated pollutants. Minor revisions unrelated to GHGs are also proposed. At this time, staff is not proposing any new GHG related fees for this new program.

The public hearing will take place at the Ventura County Government Center in Ventura, Board Hearing Room, at 11:00 am. The proposed rules and final staff report appear on the District's website. For additional information contact **Don Price** at **805/645-1407** or don@vcapcd.org.

Advisory Committee

Permit Fees (Rule 42 – Revised): On February 22, 2011, at 7:30 p.m., the Advisory Committee

will meet to consider proposed revisions to Rule 42. The proposal includes a permit renewal fee rate increase of 2.0 percent, effective July 1, 2011. For permit holders paying the minimum fee, adoption of this proposal will result in a fee increase of no more than \$10.00 per year.

District operations are funded by state and federal grants, automobile registration fees, and fees charged to sources of air pollution. The APCD receives no property tax revenue or general fund revenue. The fee increase is necessary to offset rising expenses. For additional information contact **Don Price** at **805/645-1407** or don@vcapcd.org.

Graphic Arts (Rule 74.19 - revised): On March 22, 2011, at 7:30 pm, the Advisory Committee will meet to consider proposed amendments to Rule 74.19. Staff is proposing to further reduce reactive organic compound (ROC) emissions from graphic arts operations. This rule action will implement an All Feasible Measures requirement pursuant to the California Clean Air Act (H&SC Section 40914).

The proposal is based on existing graphic arts regulations currently in effect in the South Coast AQMD, San Joaquin Valley APCD, Bay Area AQMD, and the Sacramento Metropolitan AQMD, and includes new ROC content limits for fountain solutions at lithographic operations and cleaning solvents at all graphic operations. Existing vapor pressure requirements will be replaced with more effective ROC content limits for solvent cleaners. Complying fountain solutions and solvent cleaners are currently available from several suppliers. Also, the existing exemption for inkjet printing operations will not change under this proposal.

The meeting notice, draft rule amendments, and staff report are available for download on the District's website. For additional information, contact **Stan Cowen** at **805/645-1408** or stan@vcapcd.org.

Public Workshop

Prevention of Significant Deterioration (Rule 26.13 – New): On February 24, 2011, at 10:00 a.m., the District will conduct a workshop to discuss new draft Rule 26.13. Prevention of Significant Deterioration (PSD) is a federal pre-construction permitting program for facilities

located in areas that either comply with federal ambient air quality standards for particular pollutants or are unclassifiable for any criteria air pollutant. PSD applies to new major stationary sources and existing major stationary sources where a significant modification will occur. In Ventura County, the PSD permitting program is currently administered by the Environmental Protection Agency (EPA) Region IX. At this time, no facility in the county requires a PSD permit.

The recent addition of greenhouse gases (GHG) to the list of regulated pollutants makes these pollutants subject to federal permitting. To prevent an influx of applications to EPA, EPA is encouraging local air districts to take responsibility for processing any PSD permit applications within their jurisdiction. The most straightforward way for an air district to take PSD responsibility is to adopt a rule that incorporates the federal requirements by reference. A model rule was developed cooperatively by EPA staff, ARB staff, and the California Air Pollution Control Officers Association Engineering Managers Committee.

Proposed Rule 26.13 is based on this model rule. In addition, existing PSD Rule 26.10, which requires a source operator to obtain a PSD permit from EPA, will be repealed. For additional information, contact **Don Price** at **805/645-1407** or don@vcapcd.org.

Recent Board Actions

Hearing Board Rules (Rules 112, 117, 120, 123, 124, 126 – Revised): On December 14, 2010, the Air Pollution Control Board adopted revisions to six Regulation VII Hearing Board rules. The amended rules are:

1. Rule 112, Contents of Petitions
2. Rule 120, Notice of Hearing
3. Rule 123, Findings, Variance or Abatement Order
4. Rule 124, Decision
5. Rule 126, Effective Date of Decision

Rule 117, Answers, was repealed. No emission reductions will result from the proposed changes, which are meant to both facilitate administration of the Hearing Board and align the rules more closely with California Health and Safety Code.

The final rules and final staff report appear on the District's website. For additional information contact **Don Price** at **805/645-1407** or don@vcapcd.org.

Natural Gas-Fired Water Heaters (Rule 74.11 – Revised): On May 11, 2010, the Air Pollution

Control Board readopted revisions to Rule 74.11. The revised rule limits NOx emissions from new general use natural gas-fired water heaters with a capacity of less than 75,000 BTUs/hour to 10 nanograms per joule (ng/j). In addition, new natural gas mobile home water heaters are now required to meet a NOx limit of 40 ng/j. The new limits went into effect on July 1, 2010, and apply to both residential and commercial applications. Other minor revisions were also adopted.

The new NOx limits are the same as those in SCAQMD Rule 1121, which took effect on January 1, 2006. Since that date, many complying water heaters have become available in Southern California. The cost-effectiveness of general-use water heater proposal varies from \$4,736 to \$15,787 per ton of NOx reduced. For mobile home water heaters, the cost effectiveness varies from \$8,992 to \$14,297 per ton of NOx reduced.

The final rule and staff report appear on the District's website. For additional information contact **Don Price** at **805/645-1407** or don@vcapcd.org.

Compliance Dates

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.

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.

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 **Don Price** at **805/645-1407** or don@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.

☑ **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. 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.



Engineering Update

ERC Balances by Company (Units – Tons per Year) As of February 19, 2011					
Company Name	ROC	NOx	PM ₁₀	SOx	Limitation
Aer Glan Energy	3.70	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	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
Cook Composites & Polymers Co.	4.22	0.26	0.36	0.00	Yes
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
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.	0.05	0.00	0.00	0.00	Yes
Naval Base Ventura County	2.76	0.12	3.90	0.04	No
Naval Base Ventura County	0.09	4.76	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	4.37	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
PTI Technologies Inc.	0.40	0.00	0.00	0.00	Yes
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 February 9, 2011					
Company Name	ROC	NOx	PM ₁₀	SOx	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
Solar World Industries American LP	0.51	0.00	0.00	0.00	No
Solar World Industries American LP	4.65	0.00	0.00	0.00	Yes
Southern California Edison Co.	49.21	107.68	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
Tenby, Inc.	43.27	0.00	0.00	0.00	No
The Boeing Company	0.44	0.01	0.00	0.00	No
The Boeing Company	0.25	2.81	0.61	0.57	Yes
The Termo Company	0.02	0.00	0.00	0.00	Yes
Tri-Valley Oil and Gas	2.48	0.00	0.00	0.00	No
Tri-Valley Oil and Gas	0.88	0.51	0.03	0.01	Yes
Unocal	4.45	0.00	0.00	0.00	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.	12.59	6.13	0.79	0.14	Yes
Ventura County APCD Board	55.00	0.00	0.00	0.00	No
Vintage Production California LLC	0.02	3.98	0.14	0.01	No
Vintage Production California LLC	1.56	83.66	1.47	0.14	Yes
Waste Management of California	0.00	16.08	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.

Annual Publication of the Costs of Emission Offsets

February 2011

Pursuant to the requirements of California Health and Safety Code Section 40709.5(e), this is to notify all interested persons of the costs of emission offsets purchased or leased for new or modified emission sources in Ventura County for Calendar Year 2010.

The amount is listed in tons per year and the cost per ton is listed in dollars per tons per year. Where necessary, the cost per ton has been rounded to the nearest dollar.

The publication of the information below satisfies the requirement of H&SC Section 40709.5(e). If you have any questions regarding this notice, please contact Kerby E. Zozula, Manager Engineering Division, at 805/645-1421.

Transaction	Amount	Total Cost	Cost Per Ton	
VE010001	0.09 tons ROC	\$2,700	\$30,000	Purchase
VE010002	22.98 tons NOx	\$459,600	\$20,000	Purchase
VE010003	13.50 tons NOx	\$540,000	\$40,000	Purchase

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**Permit Activities
January 2011**

Authorities to Construct	Month	Permits to Operate	Month
Permits Requested	7	Permits Requested	29
Permits Issued	7	Permits Issued	18
Applications Under Review	22	Applications Under Review	65
Sources Holding Permits	100	Sources Holding Permits	1420
Average Turnaround Time	9.4 Weeks	Average Turnaround Time	4.5 Weeks

**Authority to Construct Applications Received
January 2011**

Permit	Facility	City	Project Description
00008-670	Vintage Production California LLC	Ventura	Oil Well Replacement Project
00008-690	Vintage Production California LLC	Ventura	Three Well Replacement Project
00008-710	Vintage Production California LLC	Ventura	Drill Four (4) Grubb Wells
00041-1330	Aera Energy LLC	Ventura	Drill Eight (8) Wells
00121-120	Ivy Lawn Memorial Park	Ventura	Crematory Replacement Project
00396-370	Venoco, Inc. - West Montalvo	Oxnard	Oil Tank Modifications
01270-140	The J.M. Smucker Company	Oxnard	Boiler Replacement Project

**Authorities to Construct Issued
January 2011**

Permit	Facility	City	Project Description
00008-650	Vintage Production California LLC	Ventura	Oil Well Replacements - Pipeyard
00008-670	Vintage Production California LLC	Ventura	Oil Well Replacement Project
00576-120	City Auto Body	Simi Valley	Install New Booth & Relocate Operations
01270-140	The J.M. Smucker Company	Oxnard	Boiler Replacement Project
01395-270	Simi Valley Landfill	Simi Valley	Replace Landfill Gas Flares
07324-230	Parker Advanced Filtration Division	Oxnard	New Membrane Coating Operation
07519-110	MediSil Corporation	Santa Paula	New Polymer Process

**Permit to Operate Applications Received
January 2011**

Permit	Facility	City	Project Description
00004-281	Vintage Production California LLC	Santa Paula	Oil Well Replacement Project
00004-291	Vintage Production California LLC	Santa Paula	Administrative Amendment
00008-681	Vintage Production California LLC	Ventura	Administrative Amendment
00008-701	Vintage Production California LLC	Ventura	Rule 74.16 - Three (3) Wells
00041-1151	Aera Energy LLC	Ventura	Tank Replacement - C & D Blocks
00041-1261	Aera Energy LLC	Ventura	Operate Four (4) Wells
00041-1281	Aera Energy LLC	Ventura	Replace Wash Tank - Lloyd
00041-1301	Aera Energy LLC	Ventura	Operate Taylor 424
00041-1321	Aera Energy LLC	Ventura	Rule 74.16 - Twenty (20) Oil Wells
00054-301	Vintage Production California LLC	Fillmore	Activate Wells & Increase Production
00110-191	Best Rock Products Corporation	Fillmore	Diesel Engine - Low Use Exemption
00150-161	Hill Canyon Wastewater Plant	Camarillo	Flare Replacement Project
00168-T01	Talley Actuators	Simi Valley	Transfer of Ownership - TA
00335-T01	Chemassist, L.L.C.	Fillmore	Transfer of Ownership - CA
00984-311	Vintage Production California LLC	Fillmore	Rule 74.16 Exemption - Well Dana 1-7
00997-511	Naval Base Ventura County	Point Mugu	New Diesel Engine - 315 BHP
01006-481	Naval Base Ventura County	Port Hueneme	New Diesel Engine - 315 BHP
01179-141	The Termo Company	Santa Paula	Well Sulphur Crest 104-23
01300-181	PAC Foundries	Port Hueneme	Operate New Boiler
06453-101	Fillmore Fish Hatchery	Fillmore	Existing Gasoline Tank
07178-141	FNF Construction Inc.	Ventura County	Replace Propane Process Heater
07324-231	Parker Advanced Filtration Division	Oxnard	New Membrane Coating Operation
07519-111	MediSil Corporation	Santa Paula	New Polymer Process
08086-101	Armacel Armor Corporation	Camarillo	Composite Manufacturing Facility
08104-101	Southland Sod Farms	Oxnard	Existing Emergency Diesel Engine
08105-101	Southland Sod Farms	Oxnard	Existing Emergency Diesel Engine
08106-101	The California Mushroom Farm, Inc.	Ventura	Existing Emergency Engines
08107-101	Red Robin Gourmet Burgers-PVM	Ventura	Existing Charbroiler
08108-101	Ruben Castro Human Services	Moorpark	New Emergency Diesel Engine

**Permits to Operate Issued
January 2011**

Permit	Facility	City	Project Description
00008-661	Vintage Production California LLC	Ventura	Rule 74.16 - Nine (9) Wells
00008-681	Vintage Production California LLC	Ventura	Administrative Amendment
00082-201	Crimson Pipeline, L.P.	Ventura	Engine Out of Service
00157-251	Int'l Paper, Hueneme Paper Mill	Oxnard	Modify Monitoring Condition
00162-131	Ojai Wastewater Plant	Ventura	Portable ATCM Low Use Exemption
00168-T01	Talley Actuators	Simi Valley	Transfer of Ownership - TA
00984-291	Vintage Production California LLC	Fillmore	Tank Replacement Project
00984-311	Vintage Production California LLC	Fillmore	Rule 74.16 Exemption - Well Dana 1-7
01491-291	Platform Gina	Offshore Ventura	Part 70 Administrative Amendment
01492-351	Platform Gilda	Offshore Ventura	Part 70 Administrative Amendment
06451-101	Propel - Simi Valley 76	Simi Valley	Fuel Tanks - E85 & Biodiesel
06452-101	Elkins Ranch Golf Course	Fillmore	Existing Gasoline Tank
07324-221	Parker Advanced Filtration	Oxnard	Modify Drying Process
07500-111	Maverick Oil	Upper Ojai	Increase Oil Throughput Limit
07519-111	MediSil Corporation	Santa Paula	New Polymer Process
08071-101	A & G Auto Body LLC	Camarillo	Motor Vehicle Coating Operation
08093-101	Oxnard Airport Crushing Plant	Oxnard	Rock Crushing Plant
08096-101	Rgnl Fire/Sheriff/Police Academy	Camarillo	New Emergency Engine



Enforcement Update

Enforcement Activities JANUARY 2011					
Inspections	Month	Fiscal Year	Violations	Month	Fiscal Year
Permit/Other Inspections	242	1,580	Notices of Violation Issued	20	114
Complaints Received and Investigated	14	120	Cases Settled after Office Conference	10	86
Breakdowns Received and Investigated	7	60			
Asbestos Inspections	4	25			
New Business	21	25	Settlement/Fines	\$4,550	\$111,765

Sources Operating Under Variance JANUARY 2011					
No.	Facility/Location	Source	Rule	End Date	Status
None at this time					

Sources Operating Under Stipulated Conditional Order of Abatement JANUARY 2011					
No.	Facility/Location	Source	Rule	End Date	Status
None at this time					

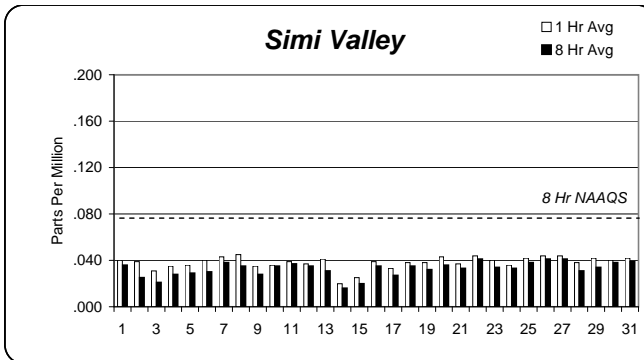
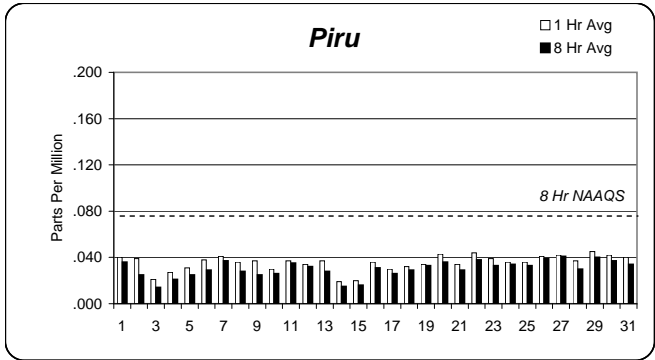
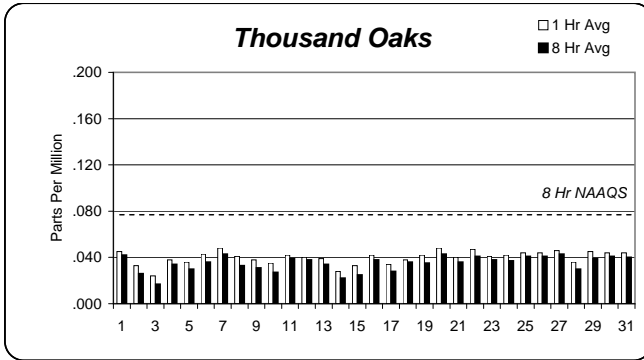
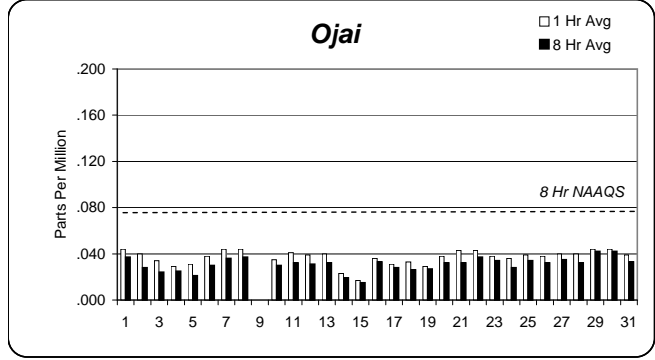
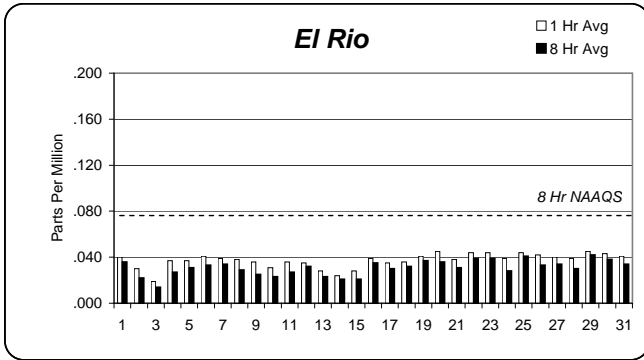
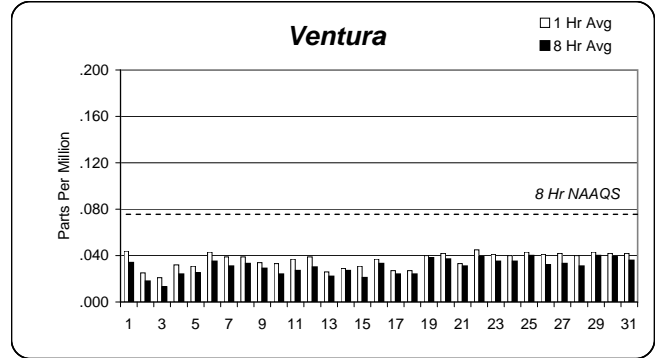
NOV No	Facility Name	Phys City	Comment	NOV Date
022187	Red Robin International, Inc.	Simi Valley	Operating Without A Permit - Charbroiler	1/25/2011
022339	Southern California Gold Products	Oxnard	Operating Without A Permit - Spray Booth	1/5/2011
022392	Chevron #9-0066	Ventura	Non-CARB Title 17 Defect - Check Valve/LRD/B-Away	1/4/2011
022421	Classic Tub Repairs Inc.	Camarillo	Exceeding ROC Emissions - Architectural Coatings	1/11/2011
022422	C.A. Rasmussen Company	Valencia	Fugitive Dust - Fugitive Dust Visible From Property Line	1/13/2011
022423	Cardinal Industrial Finishes Inc.	South El Monte	Prohibition Of Sale - Sale Of Non-Compliant Coatings	1/13/2011
022425	Hilu Chevron	Camarillo	Non-CARB Title 17 Defect - Check Valve/LRD/B-Away	1/27/2011
022469	Naval Base Ventura County	Point Mugu	Permit Condition Not Met - Exceeding Permitted Hours	1/12/2011
022470	Channel Island Auto Body	Oxnard	Operating Without A Permit - Autobody Shop	1/14/2011
022474	Rolling Oaks 76	Thousand Oaks	Non CARB Title 17 Defect - Check Valve/LRD/B-Away	1/5/2011
022568	7-Eleven #33162	Thousand Oaks	Non-CARB Title 17 Defect - V.R. System Testing Failure	1/10/2011
022569	Harbor Mobil & Subway	Ventura	Non-CARB Title 17 Defect - Check Valve/LRD/B-Away	1/25/2011
022614	Platform Gail	Offshore of Ventura	Exceeded Ammonia Emissions - Gas Turbine	1/6/2011
022615	Platform Gail	Offshore of Ventura	Exceeded Ammonia Emissions - Gas Turbine	1/6/2011
022616	Platform Gail	Offshore of Ventura	Exceeded Ammonia Emissions - Gas Turbine	1/6/2011
022667	Vintage Production California LLC	Santa Paula	Improper Vapor Recovery System - Vapor Recovery System	1/13/2011
022668	Maulhardt Lease - Oxnard Oilfield	Oxnard	Improper Vapor Recovery System - Vapor Recovery System	1/19/2011
022669	Maulhardt Lease - Oxnard Oilfield	Oxnard	Permit Condition Not Met - Oilfield	1/19/2011
022701	Chevron SS #20-8020	Oxnard	Failing Phase II Test-PV Valve	1/10/2011
022702	Chevron SS #20-8020	Oxnard	Non-CARB Title 17 Defect - Check Valve/LRD/B-Away	1/10/2011



Ozone Report

DECEMBER 2010

There were no exceedances of the California 1 Hour standard, the Federal 8 Hour standard, or the California 8 Hour standard. The maximum 1 hour average was .048 at Thousand Oaks; the maximum 8 hour average was .043 at Thousand Oaks.



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.