

# SKY LINES

Monthly Report of the Ventura County Air Pollution Control District 

## To the core

by Barbara L. Page, APCD Public Information Manager

FEBRUARY 2007

Last October, we filmed at Cambridge University at the British Antarctic Survey Core Program, as part of the film, ***Air – the search for one clean breath.***

**H**oused in an ordinary building in the middle of a field at Britain's Cambridge University, is the British Antarctic Survey Core Program. It's not just home to the world's oldest ice core, but to a scientist whose work was highlighted in the recent Al Gore film, *An Inconvenient Truth*. He is Dr. Robert Mulvaney, Glaciologist and the world's foremost ice core researcher, a job he's been doing for the past 22 years. We had the pleasure of spending a day with this brilliant and humble man, filming him and discussing his mission.

And his mission is huge and cold. Dr. Mulvaney and his staff investigate the relationship between the evolution of Antarctic ice and the changing global environment over hundreds of thousands of years. Ice cores from Antarctica show that throughout the last eight glacial cycles, climate and the chemical composition of the atmosphere have been tightly linked. As Dr. Mulvaney dissolved a 40,000 year old piece of ice in some warm water, we filmed the sound

and the sight of gases from our primeval past escaping into this millennium. We were amazed to think of it as he spoke to us about his research.



Dr. Robert Mulvaney during filming of *Air – the search for one clean breath*, at his offices at the British Antarctic Ice Core Program at Cambridge University.

"I am really an archeologist of air. But my artifacts are not the mummies or urns you can see in the British Museum. They are the gases trapped in bubbles in ancient ice cores. We drill up to two miles deep during the summertime in Antarctica, beginning each December. Without ice

cores, we would have never known the past weather and air conditions; they are the only record of the past atmosphere we have."

Dr. Mulvaney says the first ice cores were drilled in the 60s in Greenland by United States scientists. Now, the British program is at the forefront of the research in the Antarctic.

[Continued on page 3]

**Stay tuned  
for more  
information  
on global climate  
change in  
future issues of  
Skylines.**



# APCD Calendar

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## AIR POLLUTION CONTROL BOARD

March 13, 2007

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

Third Tuesday, 4:30 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

## EPA SATELLITE TRAINING PROGRAMS

*Private sector employees wishing to take these courses may do so for a fee, unless specified otherwise. For further information and to apply, call Suzanne Devine at 805/645-1453.*

## SOUTH CENTRAL COAST BASINWIDE AIR POLLUTION CONTROL COUNCIL

February 2007  
Santa Barbara APCD  
260 North San Antonio Road  
Santa Barbara

For more information, call Mike Villegas at 805/645-1440.

## APCD RULE WORKSHOPS

See Rule Update section.

### AIR POLLUTION CONTROL BOARD

Jonathan Sharkey, Pt. Hueneme - Chair  
Kathy Long, District 3, Vice-Chair  
Steve Bennett, District 1  
Linda Parks, District 2  
Peter Foy, District 4  
John K. Flynn, District 5  
Brian Brennan, San Buenaventura  
Thomas Holden, Oxnard  
Mike Morgan, Camarillo

### 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 Page

Desktop Publishing - Suzanne Devine

### DIRECTORY

|                     |  |
|---------------------|--|
| General information | 645-1400   |
| Fax                 | 645-1444   |
| Website             | <a href="http://www.vcapcd.org">www.vcapcd.org</a> |

|                            |  |
|----------------------------|--|
| Agricultural burning,      |  |
| smog forecast              | 654-2807   |
| Complaints (7 a.m.-5 p.m., |  |
| Mon-Thurs)                 | 645-1445   |
| Complaints (recording)     | 654-2797   |
| Monitoring and             |  |
| Technical Services         | 662-6950   |
| Permit processing          | 645-1417   |
| Permit renewal             | 645-1404   |
| Public information         | 645-1415   |
| Smoking Vehicle            |  |
| Hotline                    | 800/559-SMOG   |
| Email address:             | <a href="mailto:info@vcapcd.org">info@vcapcd.org</a> |

"The oldest ice core we have is about 800,000 years old. Some rumors have circulated that we have one that is a million years old, but we don't yet. We are hoping. Since we have an ice age every 100,000 years or so, one million is a critical number."



**These folks are not a security risk. They are soundman Don Jones and cinematographer Peter Good about to enter the "cold room" at Cambridge to film ice cores. The room is kept at Antarctic temperatures.**

Drilling ice cores is a slow process. They go down 8 to 10 feet each time, eventually reaching 2 miles in the ice. And this is in frigid conditions at several locations in Antarctica. And then, the cores are carefully shipped back to Cambridge so they can be analyzed in the lab. "When the melted ice releases bubbles, we can measure the gases," says Mulvaney.

Program goals are to understand the relationship between Antarctic and global climate over timescales of up to a million years and determine the main causes and amplifiers of climate change over the last million years. They also want to quantify the chemical changes between the atmosphere and Antarctic ice and snow and understand how changes in the amount of ice and snow on Earth

affect the chemistry of the atmosphere.

So what exactly has Dr. Mulvaney found trapped in the ice? "Ice cores show history for one thing. You can see by the radiation levels, nuclear weapons testing from the 60s, the 1986 Chernobyl disaster, as well as volcanic eruptions from centuries ago. If it happened in the air, it's preserved for us in the ice."

Mulvaney says that although the ice shows air pollution as relatively recent phenomena, lead pollution during the times of the Romans is evident. "They used lead in producing their wine vessels and it shows up."

But it's not just history for history's sake. There is frightening evidence in these ice cores that the atmosphere of this planet is changing, and changing drastically.

"We have proof here that air is significantly more polluted now than at any other time in our history. And greenhouse gases are going crazy. We have doubled carbon dioxide (CO) emissions in the past 20 years alone, according to the ice cores."

He feels from this research that he can safely predict that the climate will warm over the next 100 years. I asked him what this would mean. "Restrictions on agriculture in some areas for one thing. Sea level could



**Barbara L. Page, Dr. Mulvaney and director Sandra Holden prepare to film ice core scene.**

also rise. This would have drastic consequences." He told us the natural level for CO is 200 parts per million (ppm). Normal levels for us could be around 290 ppm. But today, measurements are showing 380 ppm of CO, according to Mulvaney, "A very significant change. Recent greenhouse gas concentrations are way out of the natural realm. The last 250 years have gone wild."

Before our time with Dr. Mulvaney ended, a crew member asked him if he had seen the Gore film. He had not, although he said he's heard good things about it. "I was told he used a forklift at some point to show our research and illustrate the rise in greenhouse gas emissions. Good idea."

And then we were off to continue filming at other locations in England; Dr. Mulvaney left for a long-awaited family vacation in Morocco. Last December, he returned to Antarctica.

For more information on the British Antarctic research program, you can visit them online at [www.antarctica.ac.uk](http://www.antarctica.ac.uk)

## Climate Change action here in Ventura County

On **December 5, 2006**, the Ventura County Board of Supervisors directed the CEO to work with County Agency Directors to prepare a report back to the Board that addresses:

- preparation of a 2007 Climate Change Action Plan including costs, timeline, and funding opportunities for preparing a plan to address reduction of the greenhouse gas emissions of County government operations.
- actions that county agencies have taken over the last five years and are in the process of taking to address greenhouse gas emissions reductions including energy conservation and green building standards.
- a list of actions that county agencies may recommend for Board consideration in the near future to reduce greenhouse gas emissions.
- an analysis of making the County finance program available to County agencies to fund energy conservation and emission reduction projects.
- a report on opportunities for public education regarding reducing greenhouse gas emissions.
- identifying opportunities for County staff to support APCD efforts if the APCD adopts our recommendation to develop Countywide Climate Change Action Plan.

## AirLines



Professional actors portraying Antoine Lavoisier & Joseph Priestly, filming historical reenactments at Belle Marie Winery, Escondido, on September 11, 2006.

Photos from filming the District's US EPA-grant funded project, *Air – the search for one clean breath* are now featured on our website in a power point

presentation. Click the link on our home page to view the filming thus far. The project is scheduled for completion summer 2007. Call Public Information Manager **Barbara L. Page** at **645-1415** for additional information.

**Ag burning questions.** The section on agricultural burning on the APCD website has been recently updated. If you have questions or need information on agricultural burning, check it out at <http://www.vcapcd.org/AgBurQA.htm>



**Lawnmower trade-in program.** The program,

scheduled to end in December, is still going on due to available grant funds. So far, 44 mowers have been purchased with the voucher. Mowers will be available as long as funding exists. Call **Stan Cowen** at **645-1408** for more information.



## January 9<sup>th</sup> Board meeting highlights

*At its first meeting of 2007, the following actions were taken.*

- Swearing in of new board member **Supervisor Peter C. Foy** of Simi Valley. Swearing in of re-elected board members, **Supervisor Linda Parks** of Thousand Oaks, and **Councilman Jonathan Sharkey** of Port Hueneme.
- Election of **Councilman Jonathan Sharkey** as 2007 Chair and **Supervisor Kathy Long** as Vice-chair.
- Appointment of **Councilman Mike Morgan** to the South Central Coast Basinwide Air Pollution Control Council; appointment of **Supervisor Steve Bennett** and **Councilman Brian Brennan** to the APCD Standing Committee.
- Recognition of former APCD Board member **Ernie Villegas** for his service. Mr. Villegas served as Chair and Vice-chair, standing committee member, and member of the South Central Coast Basinwide Air Pollution Control Council. Villegas comments, "I am still dedicated to working on issues in the region. Being on the Board was a delightful experience and my heart is with you. Feel free to call if you need me."
- Appointment of **Marilyn Miravete-Smith** to the APCD Advisory Committee.
- Approval of 2007 Rulemaking Calendar.
- Receive and file California Air Resources Board audit report, "**Ventura County Air Pollution Control District Program Review Report of findings and recommendations.**" In the Overall Findings section of the report, it states, "... it is our opinion that the District has an overall effective air pollution control program. As with any air pollution control program, there is room for improvement in individual program areas." The program review, coupled with the District's action plan for its recommendations, will result in a more effective air pollution control program for Ventura County.
- Approval of a new policy applicable to the Ventura County Air Pollution Control Board regarding expense reimbursements and ethics training in accordance with AB 1234, and approval of the proposed revisions to the Air Pollution Control Board General Operating Procedures.
- Receive and file unaudited Year-End Financial Status Report; Report on the 2006 Summer Public Awareness Campaign with **Curves** and the **American Diabetes Association**; Minutes of the **South Central Coast Basinwide Air Pollution Control Council** Meeting of June 14, 2006.
- Directed staff to report back on preparation of a **2007 Climate Change Action Plan** to reduce greenhouse gas emissions in Ventura County. The plan would also include public education and opportunities for a reduction in greenhouse gas emissions from District operations.
- Receive and file a report by local users of a specific blend of biodiesel on their experiences with the fuel. The report also included information on improved fuel economy related to a fuel additive.
- Cancellation of February APCD meeting.



# Enforcement Update

Visit [http://www.vcapcd.org/compliance\\_division.htm](http://www.vcapcd.org/compliance_division.htm)

| <b>Enforcement Activities<br/>DECEMBER 2006</b> |              |            |                                       |              |            |
|---|--------------|------------|---------------------------------------|--------------|------------|
| <b>Inspections</b>                              | <b>Month</b> | <b>F/Y</b> | <b>Violations</b>                     | <b>Month</b> | <b>F/Y</b> |
| Permit/Other Inspections                        | 154          | 876        | Notices of Violation Issued           | 17           | 106        |
| Complaints Received and Investigated            | 17           | 94         | Cases Settled after Office Conference | 14           | 137        |
| Breakdowns Received and Investigated            | 18           | 47         |                                       |              |            |
| Asbestos Inspections                            | 11           | 24         |                                       |              |            |
|   |              |            | Settlement/Fines                      | 20,900       | 169,033    |

| <b>Sources Operating Under Variance<br/>DECEMBER 2006</b> |  |                  |             |                 |               |
|---|--|------------------|-------------|-----------------|---------------|
| <b>No.</b>  | <b>Facility/Location</b>                             | <b>Source</b>    | <b>Rule</b> | <b>End Date</b> | <b>Status</b> |
| 788   | Meissner Filtration Products, Inc.                   | Thermal Oxidizer | 29.C        | 02/03/07        | In Compliance |
| 789   | City of Thousand Oaks<br>Hill Canyon Treatment Plant | Boiler Flare     | 29.C        | 04/30/07        | On Schedule   |

| <b>Sources Operating Under<br/>Stipulated Conditional Order of Abatement<br/>DECEMBER 2006</b> |                                    |                   |                            |                 |               |
|--|------------------------------------|-------------------|----------------------------|-----------------|---------------|
| <b>No.</b>   | <b>Facility/Location</b>           | <b>Source</b>     | <b>Rule</b>                | <b>End Date</b> | <b>Status</b> |
| 775  | City of Thousand Oaks              | Boilers           | 26.2 – BACT<br>74.14.1     | 01/31/07        | In Compliance |
| 777  | Republic Fastener Manufacturing    | Coating Operation | 29.C<br>74.13, Section B.1 | 08/01/2006      |               |
| 782  | United Water Conservation District | Engines           | 26.2 – BACT<br>74.9        | 07/01/08        | On Schedule   |

**Notices of Violation Issued  
DECEMBER 2006**

| <b>NOV No.</b> | <b>Facility</b>   | <b>City</b>     | <b>Violation</b>  |
|----------------|---|-----------------|---|
| 021159         | Medical Pavilion at St. John's  | Oxnard          | Failure To Meet Boiler Emissions - Boiler               |
| 021290         | USA Gasoline #817   | Newbury Park    | Failure To Conduct Testing - PHI/II Testing             |
| 021291         | Archuleia Construction  | Redondo Beach   | Operating Without A Permit - Portable Engine            |
| 021326         | Rose & 5th Inc.   | Oxnard          | CARB Title 17 Defect-PHII - V.R. System Testing Failure |
| 021386         | USA Gasoline #817   | Newbury Park    | CARB Title 17 Defect-PHII - V.R. System Testing Failure |
| 021437         | Kidney Center Inc   | Ventura         | Operating Without A Permit - Generator                  |
| 021438         | Ozena Valley Ranch  | Lockwood Valley | Permit Condition Not Met -                              |
| 021574         | Oxnard Wastewater Treatment Plant   | Oxnard          | Failure To Conduct Quarterly Report - Annual Report     |
| 021614         | Artistica Distribution/Mfg. Center  | Ventura         | Permit Condition Not Met - Spray Booth                  |
| 021668         | Vintage Production California LLC   | Oxnard          | Exceeding Leak Rate Threshold - Oilfield Components     |
| 021669         | TEG Oil & Gas USA, Inc.   | Piru            | Improper Vapor Recovery System - Vapor Recovery System  |
| 021385         | Pacific Custom Materials, Inc.<br><br>[This NOV was issued in November, but not added to the system until December] | Frazier Park    | Permit Condition Not Met- CEMS                          |



# Rule Development Update

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

## Recent Board Actions

**New Source Review – Definitions; Biosolids Processing Facilities** (Rule 26.1 – Revised.): On November 14, 2006, the Air Pollution Control Board held a public hearing and adopted revisions to Rule 26.1. The revision added "publicly owned biosolids processing facility" to the definition of "essential public service" (EPS). Biosolids processing is related to sewage treatment, which is already considered an essential public service. Although related, biosolids processing may not always occur at a sewage treatment facility. After approval of a June, 2006, voter initiative in Kern County to prohibit the land application of biosolids, it is possible that the construction of one or more biosolids processing facilities in Ventura County will be required.

Note that, as stated in Rule 26.2, Subsection B.3, EPS facilities are eligible to obtain emission offsets from the EPS bank. For any EPS project of 5 tons per year or more, offsets of up to 25 tons per year for both Oxides of Nitrogen and Reactive Organic Compounds are available. In addition to the above, definitions for "biosolids" and "biosolids production facility" were added to Rule 26.1. For additional information, contact **Don Price** at **805/645-1407** or [don@vcapcd.org](mailto:don@vcapcd.org).

**Agricultural Source Permitting** (Rule 23, Exemptions From Permit - Revised): On September 12, 2006, the Board adopted amendments to Rule 23. California Health and Safety Code Section 42310(e) historically prohibited any air district from requiring a permit to operate for equipment used in agricultural operations. On September 22, 2003, California Senate Bill 700 (SB 700) amended state law by removing section 42310(e) from the Health and Safety Code and adding new requirements for agricultural sources of air pollution. Air districts must now require permits for large confined animal facilities and agricultural sources of air pollution that have actual emissions more than one-half of any federal major source emissions threshold for any regulated air pollutant excluding fugitive dust.

To comply with SB 700, APCD staff proposed that the following sources would be required to obtain permits from the District:

- Large confined animal facilities (see definition in staff report)

- Agricultural sources that emit more than 50 percent of the major source threshold of any of the following regulated air pollutants: oxides of nitrogen (NO<sub>x</sub>), reactive organic compounds (ROC), sulfur oxides (SO<sub>x</sub>), carbon monoxide (CO), or particulate matter (PM<sub>10</sub>) excluding fugitive dust.

Ventura County currently has no large confined animal facilities. Under staff's proposal, any new large confined animal facility to be located in Ventura County would be required to first obtain a permit from the District and control its air pollution.

Staff has determined the most likely agricultural scenario for exceeding 50 percent of a major source threshold is a group of diesel-engine powered water pumps located on contiguous properties under common control. To exceed 50 percent of a 50 ton per year NO<sub>x</sub> threshold, such a group of diesel engines would need to be older, uncontrolled engines that cumulatively burn more than 75,000 gallons of diesel fuel per year. This amount of energy would pump about 850 acre-feet of water. Staff has not identified any agricultural source of air pollution that meets or exceeds these criteria at this time. For additional information contact **Chris Frank** at **805/645-1409** or [chrisf@vcapcd.org](mailto:chrisf@vcapcd.org).

**Part 70 Permits and Federally Enforceable Limits on Potential to Emit** [Rule 33 and Rule 76 - Revised]: On September 12, 2006, the Board adopted amendments to Rules 33 and 76. Title V of the federal Clean Air Act requires state and local air agencies to develop and implement federal operating permitting programs for "major sources" of air pollution. Rules 33 and 76 are components of the Ventura County APCD's federal operating permits program. "Major sources" include sources that have a "potential to emit" 10 tons per year of any EPA hazardous air pollutant (HAP) or 25 tons per year of any combination of HAPs, and sources that have a "potential to emit" 100 tons per year of any other regulated pollutant. A "source" includes all equipment and processes located in a contiguous area under common control. "Potential to emit" assumes continuous uncontrolled operation at maximum capacity, unless federally enforceable permit conditions specify limits on hours of operation, maximum operating capacity, and/or emission controls.



For federal ozone nonattainment areas, the generic 100 ton-per-year major source threshold for emissions of oxides of nitrogen (NOx) and reactive organic compounds (ROC) is replaced with the following thresholds:

| Ozone Nonattainment Classification | Tons per Year ROC or NOx |
|------------------------------------|--------------------------|
| Marginal and Moderate              | 100                      |
| Serious                            | 50                       |
| Severe                             | 25                       |
| Extreme                            | 10                       |

Because Ventura County was classified as a Severe nonattainment area for ozone when Rules 33 & 76 were adopted, the rules were crafted to apply to sources with a potential to emit 25 tons per year of ROC or NOx. Effective June 15, 2004, EPA classified Ventura County to be a Moderate nonattainment area for the federal 8-hour ozone standard. However, the 1-hour ozone standard was not rescinded until June 30, 2005, so therefore District was also classified as a Severe nonattainment area for the 1 hour standard until June 30, 2005. Because state law requires local Title V rules to be the same stringency as federal requirements, staff is proposing to amend the District's Title V-related rules to be consistent with the District's new non-attainment classification. Once the amendment is approved by EPA, some sources may no longer be considered federal major sources and may revert to state and local air quality permitting requirements. For additional information contact **Chris Frank** at **805/645-1409** or [chrisf@vcapcd.org](mailto:chrisf@vcapcd.org).

**Wood Products Coatings** (Rule 74.30 - Revised): On June 27, 2006, the Air Pollution Control Board adopted amendments to Rule 74.30. The amendments include a reduction in the reactive organic compound (ROC) content limits for surface preparation and cleanup solvents used in commercial wood products manufacturing; a limit of 25 grams of ROC per liter of solvent was adopted for both uses. The new limits go into effect on September 25, 2006, and are equal to those included in South Coast Air Quality Management District Rule 1171, *Solvent Cleaning Operations*. For additional information, contact **Don Price** at **805/645-1407** or [don@vcapcd.org](mailto:don@vcapcd.org).

## **Advisory Committee**

**Soil Decontamination Operations** (Rule 74.29 - Revised): On January 23, 2007, at 7:30 p.m., the APCD Advisory Committee will meet to consider proposed revisions to Rule 74.29. The proposal

will expand the rule to include requirements for the excavation, transportation, and handling of active and inactive soil. The revisions are required because, under the provisions of Health and Safety Code section 40914(b)(2), staff is required to demonstrate that the District's plan to attain the California ambient ozone standard provides for expeditious implementation of "every feasible measure" to reduce ozone precursor emissions (including ROC). In addition, staff proposes to improve the rule by clarifying language and adding definitions where necessary.

A draft rule and draft staff report appears on the District website. Written comments on this draft will be accepted until January 26, 2007. For additional information, contact **Don Price** at **805/645-1407** or [don@vcapcd.org](mailto:don@vcapcd.org).

**Permit Fees** (Rule 42 - Revised): On February 27, 2007, at 7:30 p.m., the Advisory Committee will meet to consider revisions to Rule 42. Staff proposes a 12.5 percent increase in permit renewal fee rates effective July 1, 2007. For permit holders paying the minimum fee, adoption of this proposal will result in a fee increase of \$52.50 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 and to maintain APCD reserve funds at a more secure level of "four to six months of operating expenses." Six staff positions were eliminated in fiscal year 06-07 to minimize rising expenses. A draft rule and draft staff report are available on the District's website at [vcapcd.org/rules\\_division.htm](http://vcapcd.org/rules_division.htm). For additional information contact **Don Price** at **805/645-1407** or [don@vcapcd.org](mailto:don@vcapcd.org).

## **Public Workshop**

**Fugitive Dust** (Rule 55 - New): On February 26, 2007, APCD staff will hold a public workshop to receive public input on the new draft rule. Ventura County does not meet California's health-based air quality standards for airborne particulate matter (PM). On June 28, 2005, the Ventura County Air Pollution Control Board adopted a plan to reduce PM emissions, as mandated by State law (SB656). As a first step towards implementing this mandated program, staff is proposing to develop new standards for visible fugitive dust emissions and track-out.

Under draft Rule 55, staff is proposing a standards-based rule to reduce the cost of compliance rather than requiring prescribed

control methods. However, the exception to this regulatory approach is that control methods are prescribed for controlling track-out from bulk material handling facilities and for controlling dust from truck hauling. The following proposed new dust standards are:

- No visible dust beyond the property line.
- New 20 percent opacity limit.
- New track-out limit of 25 feet.
- No visible dust plume over 100 feet in length during earthmoving activities.

The proposed new rule provides compliance flexibility by allowing operators to be exempt from the first three fugitive dust standards if documented steps are taken that reduce fugitive dust emissions. No conditional exemption is proposed from the fourth standard because of the magnitude of dust emissions from a 100-foot dust plume. The following types of operations would most likely be affected by the regulation:

- Construction, Earthmoving, and Demolition Operations
- Bulk Material Handling and Storage Operations
- Off-field Agricultural Operations (parking areas, unpaved haul roads)
- Unpaved Roads
- Unpaved Parking Lots and Staging Areas
- Weed Abatement Operations

On-field agricultural operations and paved roads would be exempt. If you have a comment or question on the draft rule, please contact **Stan Cowen** at **805/645-1408** or [stan@vcapcd.org](mailto:stan@vcapcd.org).

## **Compliance Dates**

### **☑ September 25, 2006**

**Wood Products Coatings** (Rule 74.30): All reactive organic compound (ROC) solvents used for surface preparation and cleanup in commercial wood products manufacturing must meet a limit of 25 grams of ROC per liter of solvent. Water, acetone, and other low-ROC solvents are available for compliance with this requirement. For additional information, contact **Don Price** at **805/645-1407** or [don@vcapcd.org](mailto:don@vcapcd.org).

### **☑ October 12, 2005**

**Conveyorized Charbroilers, Coffee Roasters, Non-retail Deep-Frying Equipment** (Rule 74.25, Rule 23): All conveyorized (chain-driven) charbroilers must have a VCAPCD Permit to Operate and must comply with the requirement for an 83 percent reduction in ROC and particulate matter emissions. In addition, all coffee roasters with a capacity over 25 pounds and non-retail deep-frying equipment must have a VCAPCD Permit to Operate. Contact the **Permit Desk** at **805/645-1401** for more information.

### **☑ October 1, 2005**

**Air Toxic Control Measure for Hexavalent Chromium and Nickel Emissions from Thermal Spraying** (ARB Title 17 CCR 93102.5): All unpermitted thermal spraying operations that use chromium, chromium compounds, nickel or nickel compounds must submit Permit to Operate applications to the District by October 1, 2005; all operations must submit emissions information by that date. Existing facilities must have emission control equipment of between 90 percent and 99.97 percent efficiency in operation by January 1, 2006. New or modified facilities have more stringent requirements. Sources will also have monitoring, inspection, maintenance, and recordkeeping requirements.

For further information, go to the ARB website <http://www.arb.ca.gov/coatings/thermal/thermal.htm>. For permit information, contact the **Permit Desk** at **805/645-1401**.



# Engineering Update

Visit [http://www.vcapcd.org/engineering\\_division.htm](http://www.vcapcd.org/engineering_division.htm)

| <b>Permit Activities<br/>DECEMBER 2006</b> |              |                           |              |
|--|--------------|---------------------------|--------------|
| <b>Authorities to Construct</b>            | <b>Month</b> | <b>Permits to Operate</b> | <b>Month</b> |
| Permits Requested                          | 1            | Permits Requested         | 24           |
| Permits Issued                             | 2            | Permits Issued            | 12           |
| Applications Under Review                  | 23           | Applications Under Review | 76           |
| Sources Holding Permits                    | 56           | Sources Holding Permits   | 1425         |
| Average Turnaround Time                    | 2.1 Weeks    | Average Turnaround Time   | 8.8 Weeks    |

| <b>Authority to Construct Applications Received<br/>DECEMBER 2006</b> |                                  |             |                                     |
|---|----------------------------------|-------------|-------------------------------------|
| <b>Permit</b>   | <b>Facility</b>                  | <b>City</b> | <b>Project Description</b>          |
| 07899-100   | West Coast Welding & Const. Inc. | Oxnard      | Blasting and Metal Coating Facility |

| <b>Authorities to Construct Issued<br/>DECEMBER 2006</b> |                                  |              |   |
|--|----------------------------------|--------------|---|
| <b>Permit</b>  | <b>Facility</b>                  | <b>City</b>  | <b>Project Description</b>                  |
| 07860-100  | Safari Shutters                  | Oxnard       | Wood Shutter Coating Facility               |
| 07895-100  | Tradewinds Market and Laundromat | Port Hueneme | Vapor Extraction System - Perchloroethylene |

| <b>Permit to Operate Applications Received<br/>DECEMBER 2006</b> |                          |                  |  |
|--|--------------------------|------------------|--|
| <b>Permit</b>  | <b>Facility</b>          | <b>City</b>      | <b>Project Description</b>               |
| 00036-231  | Pacific Custom Materials | Frazier Park     | Install and Operate NOx and CO CEMS      |
| 00264-T01  | Bluestar Silicones USA   | Ventura          | Transfer of Ownership - B.S.             |
| 00294-T02  | Ventura Beach Marriott   | Ventura          | Transfer of Ownership - M.I.             |
| 00363-T01  | DCOR, LLC                | Fillmore         | Transfer of Ownership - DCOR             |
| 00959-151  | Mirada Petroleum, Inc.   | Piru             | Tank Replacement Project                 |
| 01171-111  | Mirada Petroleum, Inc.   | Santa Paula      | Tank Replacement Project                 |
| 01493-341  | Platform Grace           | Offshore Ventura | Crew Boat Changes                        |
| 01494-411  | Platform Gail            | Offshore Ventura | Modify Turbine Water to Fuel Ratio       |
| 04040-101  | One Hour Martinizing     | Camarillo        | Replace Dry Cleaning Machine - Petroleum |
| 04042-101  | One Hour Martinizing     | Simi Valley      | Replace Dry Cleaning Machine - Petroleum |
| 06342-141  | Moorpark Petroleum       | Moorpark         | Replace Dispensers with ISD              |

| <b>Permit to Operate Applications Received (continued)</b><br><b>DECEMBER 2006</b> |                         |               |   |
|--|-------------------------|---------------|---|
| <b>Permit</b>  | <b>Facility</b>         | <b>City</b>   | <b>Project Description</b>              |
| 07519-101  | MediSil Corp.           | Ventura       | Polymer Manufacturing Facility          |
| 07749-111  | Veeco Metrology, LLC    | Camarillo     | New Emergency Engine and Processes      |
| 07777-101  | North Shore at Mandalay | Oxnard        | Soil Excavation and Remediation Project |
| 07898-101  | The Bonaventure         | Ventura       | Emergency Diesel Engine                 |
| 07900-101  | Golden State Water Co.  | Simi Valley   | New Emergency Engine                    |
| 07901-101  | Mann Theatres           | Thousand Oaks | Existing Emergency Engine Rule 23.D.7   |
| 07902-101  | Kidney Dialysis Center  | Ventura       | New Emergency Engine                    |
| 07903-101  | Fire Station #56        | Malibu        | New Emergency Engine                    |
| 07904-101  | Fire Station #52        | Camarillo     | New Emergency Engine                    |
| 07905-101  | Fire Station #34        | Thousand Oaks | New Emergency Engine                    |
| 07906-101  | Fire Station #32        | Newbury Park  | New Emergency Engine                    |
| 07907-101  | Fire Station #31        | Thousand Oaks | New Emergency Engine                    |
| 07908-101  | Fire Station #21        | Ojai          | New Emergency Engine                    |

| <b>Permits to Operate Issued</b><br><b>DECEMBER 2006</b> |                                     |                     |   |
|--|-------------------------------------|---------------------|---|
| <b>Permit</b>  | <b>Facility</b>                     | <b>City</b>         | <b>Project Description</b>                |
| 01381-331  | Amgen Inc.                          | Thousand Oaks       | Existing Emergency Engines - Rule 23.D.7  |
| 01381-341  | Amgen Inc.                          | Thousand Oaks       | Operate New Emergency Engine              |
| 01494-401  | Platform Gail                       | Offshore of Ventura | Modify Equipment List                     |
| 04039-101  | Diamond Cleaners                    | Thousand Oaks       | Relocate and Replace Dry Cleaning Machine |
| 04065-111  | Classic Cleaners                    | Ventura             | Replace Dry Cleaning Machine              |
| 04114-111  | 5th Avenue Cleaners                 | Moorpark            | Replace Dry Cleaning Machine - Petroleum  |
| 04140-101  | Seabridge Cleaners                  | Oxnard              | New Petroleum Dry Cleaner                 |
| 07292-121  | GEM Mobile Treatment Services, Inc. | Ventura County      | Increase Operating Hours Limit            |
| 07292-T01  | GEM Mobile Treatment Services, Inc. | Ventura County      | Transfer of Ownership - GEM               |
| 07720-121  | Civic Arts Plaza                    | Thousand Oaks       | Retrofit Bryan Boilers                    |
| 07722-111  | Mantilla CO                         | Oxnard              | Existing Emergency Engine (Rule 23.D.7)   |
| 07885-101  | Burger King #4961                   | Thousand Oaks       | Existing Conveyorized Charbroiler         |

| <b>ERC Balances by Company (Units – Tons per Year)</b> |        |       |                  |      |            |
|--|--------|-------|------------------|------|------------|
| <b>As of January 15, 2007</b>                          |        |       |                  |      |            |
| Company Name   | ROC    | NOx   | PM <sub>10</sub> | SOx  | Limitation |
| Aera Energy LLC  | 0.02   | 0.49  | 0.45             | 0.04 | No         |
| Aera Energy LLC  | 245.09 | 11.41 | 1.24             | 0.40 | Yes        |
| Amgen, Inc.  | 0.00   | 5.28  | 0.00             | 0.00 | No         |
| Amgen, Inc.  | 0.11   | 0.00  | 0.07             | 0.01 | Yes        |
| Berry Petroleum Company                                | 6.24   | 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.                         | 0.71   | 0.00  | 0.00             | 0.00 | Yes        |
| Dos Cuadras Offshore Resources                         | 2.09   | 0.00  | 0.00             | 0.00 | No         |
| Dos Cuadras Offshore Resources                         | 0.12   | 0.00  | 0.18             | 0.02 | Yes        |
| Equilon California Pipeline Co. LLC                    | 6.93   | 0.00  | 0.00             | 0.00 | No         |
| GF Health Products, Inc.                               | 0.54   | 0.51  | 0.03             | 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        |
| Halaco Engineering Company                             | 0.64   | 0.00  | 0.00             | 0.02 | 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                              | 4.65   | 0.14  | 3.90             | 0.04 | No         |
| Naval Base Ventura County                              | 0.38   | 6.52  | 0.45             | 0.54 | Yes        |
| Nestle Food Company                                    | 0.11   | 1.54  | 0.12             | 0.02 | Yes        |
| Northrop Grumman Corporation                           | 9.48   | 0.01  | 0.01             | 0.01 | Yes        |
| Occidental Chemical Corporation                        | 0.07   | 3.79  | 1.33             | 0.02 | Yes        |
| Oryx Energy Company                                    | 2.48   | 0.00  | 0.00             | 0.00 | No         |
| Oxnard Lemon Company                                   | 0.00   | 0.10  | 0.00             | 0.00 | Yes        |
| Pacific Custom Materials, Inc.                         | 0.00   | 0.00  | 0.69             | 0.00 | No         |
| Pacific Operators Offshore LLC                         | 0.30   | 1.77  | 0.09             | 0.02 | No         |
| Parker Advanced Filtration                             | 7.67   | 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.                                 | 0.29   | 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         |
| Reliant Energy Mandalay, Inc.                          | 0.27   | 0.47  | 0.76             | 0.01 | Yes        |
| 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        |
| Seneca Resources Corporation                           | 2.57   | 0.02  | 0.00             | 0.00 | No         |

| <b>ERC Balances by Company (Units – Tons per Year)</b><br><b>As of January 15, 2007</b> |       |        |                  |      |            |
|---|-------|--------|------------------|------|------------|
| Company Name  | ROC   | NOx    | PM <sub>10</sub> | SOx  | Limitation |
| Shell California Pipeline Co.   | 5.04  | 0.00   | 0.00             | 0.00 | Yes        |
| Solar World Industries American LP  | 0.21  | 0.00   | 0.00             | 0.00 | No         |
| Solar World Industries American LP  | 1.19  | 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  | 0.45  | 0.01   | 0.00             | 0.00 | No         |
| The Boeing Company  | 0.24  | 2.44   | 0.61             | 0.57 | Yes        |
| The Termo Company   | 0.02  | 0.00   | 0.00             | 0.00 | Yes        |
| Unocal  | 4.45  | 0.00   | 0.00             | 0.00 | Yes        |
| Vaquero Energy  | 0.54  | 0.79   | 0.00             | 0.00 | No         |
| Venoco, Inc.  | 0.01  | 2.50   | 0.05             | 0.00 | No         |
| Venoco, Inc.  | 16.91 | 5.76   | 0.79             | 0.14 | Yes        |
| Ventura County APCD Board   | 55.00 | 0.00   | 0.00             | 0.00 | No         |
| Vintage Production California LLC   | 0.44  | 4.02   | 0.14             | 0.01 | No         |
| Vintage Production California LLC   | 3.21  | 95.62  | 0.65             | 0.07 | Yes        |
| Waste Management Energy Solutions   | 0.00  | 0.74   | 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).

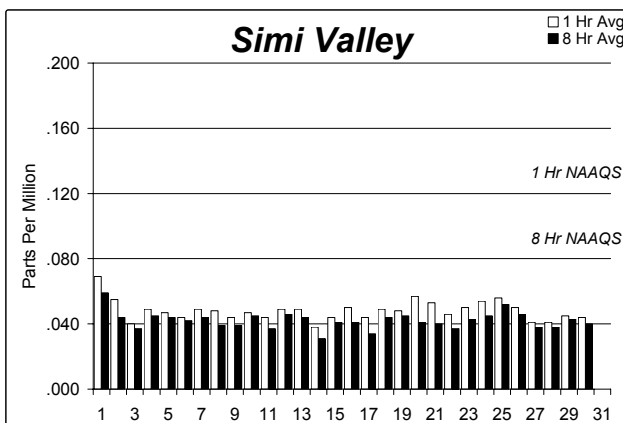
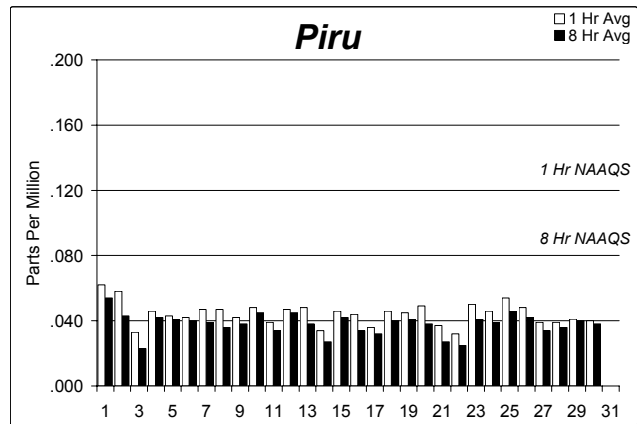
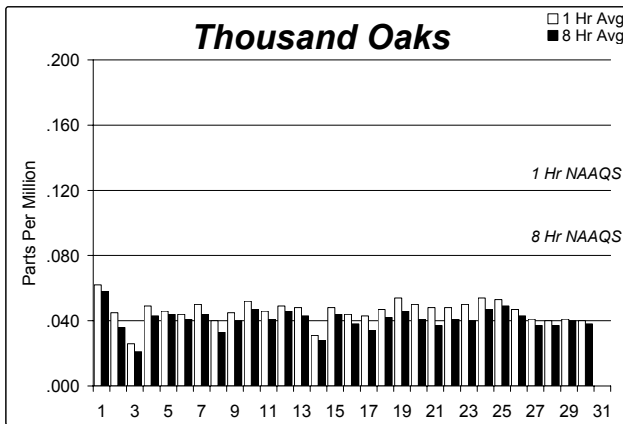
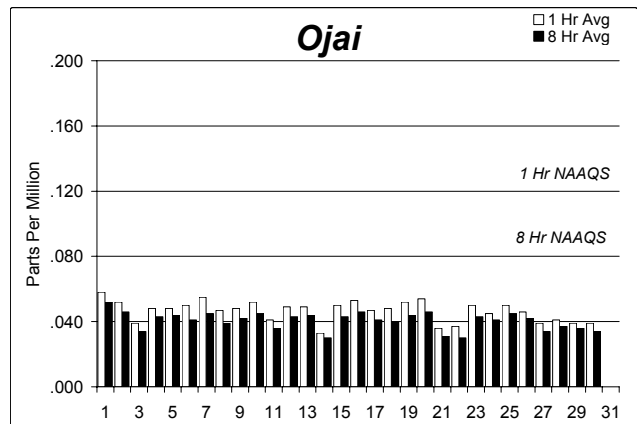
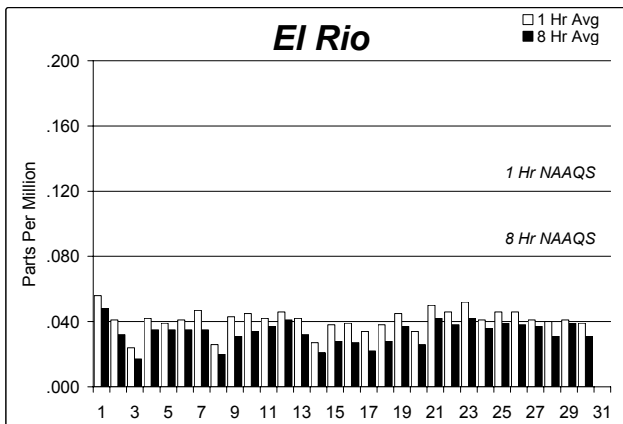
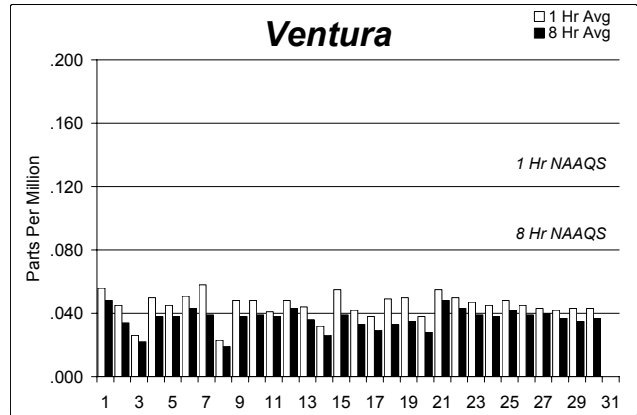
A more detailed report is available on the forms page (under Forms-Permits-ERC Report) on the District website ([www.vcapcd.org](http://www.vcapcd.org)). If you have any questions, please contact Kerby E. Zozula of the Engineering Division at 805/645-1421.



# Ozone Report

NOVEMBER 2006

There were no exceedances of the Federal 1 Hour standard, the Federal 8 Hour standard, the California 1 Hour standard or the California 8 Hour standard in November. The maximum 8 hour average was .059 at Simi Valley; the maximum 1 hour average was .069 at Simi Valley.



## PPM AIR QUALITY STANDARD

- .07 CALIFORNIA 8 HR AVG CLEAN AIR STANDARD
- .08 NATIONAL 8 HR AVG CLEAN AIR STANDARD
- .09 CALIFORNIA 1 HR AVG CLEAN AIR STANDARD
- .12 NATIONAL 1 HR AVG CLEAN AIR STANDARD
- .15 CALIFORNIA 1 HR AVG HEALTH ADVISORY  
Avoid prolonged vigorous outdoor exercise.  
Sensitive individuals avoid all outdoor activity.