California’s progress toward clean air

The following is from a report issued this April by the California Air Pollution Control Officer’s Association that represents all 35 local air quality agencies throughout California. The report provides objective information for California residents regarding California’s remarkable journey toward cleaner air and the challenges that remain.

California employs a comprehensive strategy aimed at reducing pollutants from a variety of sources of air pollution. This multifaceted strategy targets mobile and stationary sources of pollution emitting a myriad of air contaminants and contains effective regulatory and incentive-based measures. Local air districts have the authority to regulate businesses and industrial facilities, while the California Air Resources Board regulates air pollution from cars, trucks, buses and other sources. California’s clean air strategies continue to serve as a model for the rest of the nation and throughout the world.

Trends

California, the most populous state in the nation, includes regions with pristine air quality as well as regions with the highest number of violations of the federal health-based standards for ozone and particulate matter. The state’s strategy has resulted in significant reductions in air pollution. In fact, since 1980, Reactive Organic Gas (ROG) and Nitrogen Oxide (NOx) emissions from stationary sources have been reduced by 74 percent and 68 percent, respectively. During the same period,

CALIFORNIA’S CLEAN AIR STRATEGIES CONTINUE TO SERVE AS A MODEL FOR THE REST OF THE NATION AND THROUGHOUT THE WORLD

ROG and NOx emissions from all sources, including mobile and area-wide sources, have been reduced by 68 percent and 39 percent, respectively. ROG and NOx are two fundamental components of ozone.

Air quality challenges

Despite significant improvements, air quality remains a major source of public health concern in large metropolitan areas throughout California. The San Joaquin Valley and the South Coast Air Basin continue to face significant challenges in meeting the federal health-based standards for ozone and fine particles, despite their regional and state-level controls on mobile and stationary sources that are the most stringent in the nation . . . Regarding health risks and their costs, recent state and national assessments have provided an empirical yardstick for measuring the costs of unhealthy air and the benefits of meeting national air quality standards. For the South Coast and San Joaquin Valley, the annual health costs of air pollution have been estimated to a

[continued on page 3]
AIR POLLUTION CONTROL BOARD

June 14, 2011
June 28, 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

June 15, 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
Gayle Washburn, Fillmore
Carmen Ramirez, Oxnard
Jonathan Sharkey, Pt. Hueneme

Ventura County
Air Pollution Control District
669 County Square Drive, 2nd Floor
Ventura CA 93003

Air Pollution Control Officer
Michael Villegas

Skylines
Editor – Barbara L. Page
Desktop Publishing – Suzanne Devine

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
Public information 645-1415
Smoking vehicle Hotline 800/559-SMOG
Email address info@vcapcd.org
total of $22 billion ($1,250 per person) and $6 billion ($1,600 per person), respectively. Multiple studies have demonstrated that the monetary benefits of achieving air pollution health standards are far greater than the cost of attaining those standards.

As for the health risk posed by PM 2.5 to California residents, a recent analysis conducted by the Air Resources Board using the federal Environmental Protection Agency’s methodology estimated that, on average, 9,200 annual cases of premature cardiopulmonary deaths could be avoided if the national annual standard for PM 2.5 was attained. For more information, contact Mike Villegas at 645-1400. (sources for the report: California State University – Fullerton, Institute for Economic and Environmental Studies, & the California Air Resources Board)

### AirLines

**Board Highlights.** At its April 12 meeting, the VCAPCD Board approved the following items.

- **Appointments** of Robert Cole, Richard Cook, Thomas Lucas, Brandon Millan, and Richard S. Nick to the Air Pollution Control District Advisory Committee.
- Transfer of funds ($5,000) to California State Polytechnic University, Pomona, to support a research program for the City of Ventura’s Post-Peak Oil and Climate Change Vision Plan. The funding would support the City’s Vision Plan by producing recommendations for an action plan of the city including ways to reduce both personal motor vehicle usage and single occupancy car trips and ways to simplify mass transit options as well as other future transportation options.
- Adoption of proposed amendments to Rule 42, Permit Fees. See May Skylines for more information.
- Adoption of proposed amendments to Rules 2, 23, 33, 33.1, 35 and 76 in order to implement US EPA’s Title V Greenhouse Gas Tailoring Rule. The main purpose of this rule action is to ensure that only those stationary sources in Ventura County with large amounts of greenhouse gas emissions are subject to federal Clean Air Act Title V permitting requirements. Call Don Price at 645-1407 for more information.
- Board Chair signature on letter of support for the California Air Resources Board’s proposed amendment to the regulations for ocean-going ships main engines, auxiliary engines, and auxiliary boilers. These amendments will recapture the forgone emission reductions and will provide a cost incentive for vessels to use the channel shipping lanes while operating on an area 24 nautical miles within the California coastline and the Channel Islands. This action will achieve significant emission reductions and eliminate the economic advantage of transiting through the Point Mugu Sea Range.

**APCD Receives Award.** At its April 19 Board meeting, the District received a Special Recognition Award from the County Board of Supervisors at its 3rd Annual Community Climate Change Action Awards. The District was recognized for its new Sky Savers Program, skysavers.org. District APCO Mike Villegas
comments, “We are grateful to the Board of Supervisors for this honor and will continue to do informative programs that tell residents about the challenge of climate change and give them actions to do to help resolve the problem.”

CHECK IT OUT THIS SUMMER. Before planning your vacation this summer, visit greenhotels.com, which lists the hotels nationwide that incorporate “green” into their practices. These hotels are clearly interested in protecting our environment. “Green” Hotels Association® member hotels are encouraged to implement water-saving measures, execute energy-saving techniques and reduce solid waste. Rather than putting all these measures into effect “behind the doors”, GHA encourages all lodging accommodations to get guests and clients involved. Hotels can offer towel and sheet-changing options, soap and shampoo dispensers, guestroom recycling baskets and reduced food-related waste. The only Ventura County member of the Association is the Crowne Plaza Ventura Beach Hotel, which is also a member of the Sky Savers program.

focus

on climate change
The solar industry has a strong year

The Solar Energy Industries Association reports that 2010 was a banner year for the United States solar market. The market, which includes rooftop installations, hot water heating and utility scale projects, grew from $3.6 billion in 2009 to $6 billion, a 67 percent increase.

The report was issued on March 24 and states, “Solar is growing quickly across the U.S. at the residential, commercial, and utility scale levels. It is powering and heating buildings in all 50 states, and using a variety of technologies to do so.” The executive summary continues, “The rapid growth and unique diversity has made the U.S. market a focus of global industry attention for the first time in many years.”

California, with its abundant sunshine and leadership on renewable energy policies, remains the country’s leading solar state. Other states, including New Jersey, Nevada and Arizona, are also becoming key markets. California installed 259 megawatts of solar power in 2010, far more than any other state. New Jersey installed 137 megawatts. One megawatt of solar energy is enough to power roughly 200 California homes.

Photovoltaic installations, which represent the vast majority of the solar market, grew 102 percent in 2010 to reach 878 megawatts, up from 435 megawatts in 2009.
Air Pollution Control Board

Graphic Arts (Rule 74.19 - revised): On June 14, 2011, at 11:00 am, the Air Pollution Control Board will hold a public hearing to consider proposed rule revisions 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.

Prevention of Significant Deterioration (Rule 26.13 – New): On June 28, 2011, at 11:00 am, the Air Pollution Control Board will hold a public hearing to consider proposed new 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, is proposed for repeal. For additional information, contact Don Price at 805/645-1407 or don@vcapcd.org.

Recent Board Actions

EPA "Tailoring" Rule Revisions (Rules 2, 23, 33, 33.1, 35, 76 – Revised): On April 12, 2011, the Air Pollution Control Board adopted a series of rule revisions relating to Environmental Protection Agency (EPA) efforts to "tailor" existing federal permitting rules for greenhouse gas emissions.

Previously, the District issued 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 that those for criteria and hazardous pollutants, EPA is proposing to "tailor" their regulations to include GHGs. With this rule action, the Board made the necessary revisions to District permitting rules to implement EPA's tailoring requirements.

The following rules were revised:

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 were added as regulated...
pollutants. Minor revisions unrelated to GHGs were also adopted.

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.

Permit Fees (Rule 42 – Revised): On April 12, 2011, the Air Pollution Control Board adopted revisions to Rule 42. The revisions include a 2.0 percent permit renewal fee rate increase, 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.

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

- **January 1, 2011 and January 1, 2012**
  
  Architectural Coatings (Rule 74.2 – Revised): Revisions to the coating ROC content limits in Rule 74.2 became effective on January 1, 2011, except for the following coating categories, which become effective on January 1, 2012:
  - Flat Coatings
  - Primers, Sealers and Undercoaters
  - Rust Preventative Coatings
  - Specialty Primers Sealers & Undercoaters

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

- **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.
### Enforcement Activities
**APRIL 2011**

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<th>Inspections</th>
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<th>Violations</th>
<th>Month</th>
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<td>Cases Settled after Office Conference</td>
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<td>Settlement/Fines</td>
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<table>
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<th>Facility/Location</th>
<th>Source</th>
<th>Rule</th>
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<th>Status</th>
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<td>835/ Short</td>
<td>Venoco Inc. - Platform Gail</td>
<td>3 Gas Turbines</td>
<td>29.C</td>
<td>5-29-11</td>
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### Sources Operating Under Variance
**APRIL 2011**

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<th>Facility/Location</th>
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<th>Rule</th>
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<th>Status</th>
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<tr>
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### Sources Operating Under Stipulated Conditional Order of Abatement
**APRIL 2011**

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<th>Status</th>
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<td></td>
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</tr>
<tr>
<td>NOV No.</td>
<td>Facility Name</td>
<td>Phys City</td>
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<td>NOV Date</td>
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<td>022191</td>
<td>Milgard Manufacturing Inc.</td>
<td>Simi Valley</td>
<td>Permit Condition not met-Solvent</td>
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<td>022471</td>
<td>Channel Island Auto Body</td>
<td>Oxnard</td>
<td>Operating Without A Permit - Automotive Refinishing</td>
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<td>022472</td>
<td>Anacapa Berry Farms</td>
<td>Oxnard</td>
<td>Operating without a permit - Engine</td>
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<td>City of Ventura</td>
<td>Ventura</td>
<td>Permit Condition Not Met - Exceeding Emergency Engine Hours</td>
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<td>Oxnard</td>
<td>Vapor Recovery Testing Failure-Static &amp; Vapor Flow rate</td>
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<td>CARB Title 17 Defect - V.R. System Testing Failure</td>
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## ERC Balances by Company (Units – Tons per Year)
### As of May 11, 2011

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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
## April 2011

<table>
<thead>
<tr>
<th>Authorities to Construct</th>
<th>Month</th>
<th>Permits to Operate</th>
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<td>Applications Under Review</td>
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### Authority to Construct Applications Received
## April 2011

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<tr>
<td>00008-720</td>
<td>Vintage Production California LLC</td>
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<td>Drill Two (2) Hobson Wells</td>
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<td>Drill Five (5) Oakridge Wells</td>
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<td>Drill Replacement Wells</td>
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### Authorities to Construct Issued
## April 2011

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<td>00066-180</td>
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<td>Oxnard</td>
<td>Reconstruct Tank Battery</td>
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<td>00264-250</td>
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<td>Ventura</td>
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<td>01207-560</td>
<td>Naval Base Ventura County</td>
<td>San Nicolas Island</td>
<td>New Portable Engines</td>
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<td>08073-100</td>
<td>Biodiesel Industries, Inc.</td>
<td>Port Hueneme</td>
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<td>Oxnard</td>
<td>Perchloroethylene Vapor Extraction System</td>
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<td>Mattivi Bros. Leasing, Inc.</td>
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### Permit to Operate Applications Received

**April 2011**

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<td>00041-1302</td>
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<td>00052-181</td>
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<td>Oxnard</td>
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<td>Replace Dry Clean Machine - Petroleum</td>
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<td>7-Eleven #33513</td>
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<td>Increase Gasoline Throughput Limit</td>
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<td>C.A. Rasmussen Inc.</td>
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### Permits to Operate Issued

**April 2011**

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<td>Naval Base Ventura County</td>
<td>Point Mugu</td>
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<td>New Diesel Engine - 315 BHP</td>
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<td>Port Hueneme</td>
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<td>Increase Gasoline Throughput Limit</td>
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<td>Borchard Alliance</td>
<td>Newbury Park</td>
<td>Replace Piping and Increase Throughput</td>
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<td>California Lutheran University</td>
<td>Thousand Oaks</td>
<td>New Emergency Engine</td>
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<td>Ancon Marine, Inc.</td>
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Air District’s Air Monitoring Network Plan Available for Review

The Ventura County Air Pollution Control District will be releasing its 2011 Draft Ambient Air Monitoring Network Plan for public review and comment during the first week of June. Federal regulations require that all air districts prepare an annual plan that describes their network of ambient air quality monitors and identifies any need for additions, relocations, or terminations of monitoring sites or instrumentation. The Plan includes a review of actions taken during 2010, so far in 2011, including the discontinuation of monitoring at the Ventura - Emma Wood air monitoring site and plans for action in the year ahead. During the coming year the District will begin the transition from manual particulate sampling to automated continuous particulate monitors. The first step is to replace the District’s current automated continuous PM2.5 Beta Attenuation Method (BAM) monitors with automated continuous PM2.5 BAM monitors that have been designated a Federal Equivalent Method (FEM) at Piru, Thousand Oaks and El Rio and to initiate a continuous PM2.5 BAM FEM monitor at Ojai. By January 1, 2012, the District will discontinue PM2.5 FRM sampling at Piru and initiate a year long comparative study establishing the relationship between our current manual PM2.5 Federal Reference Method (FRM) samplers and the new automated continuous PM2.5 BAM FEM monitors at a near coastal site, El Rio and at an inland valley site, Thousand Oaks. A similar plan to replace manual PM10 FRM samplers with automated continuous PM10 FEM monitors will be initiated. Prior to making any changes to the network, the concurrence of the U.S. EPA must be obtained.

The District’s Plan will be available for public comment for 30 days. This 30 day period is the opportunity for the public to provide comments prior to changes being made to the ambient air monitoring network and before the plan is submitted to the U.S. EPA.

The District’s Plan is available on its website at www.vcapcd.org. Copies of the Plan are available at the Ventura County APCD office, 669 County Square Drive, 2nd floor, Ventura. If you have comments or questions about the plan, contact Kent Field at kent@vcapcd.org, or 805/662-6960.
Ozone Report

MARCH 2011

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