

CALENDAR

July 8, 2009 Canceled
YSAQMD Board of Directors

July 16, 2009 10 AM
Mobile Source Regulations
Workshop - KVIE

August 12, 2009 9:00 AM
YSAQMD Board of Directors

August 19-23, 2009
Yolo County Fair - visit our booth.

September 9, 2009 9:00 AM
YSAQMD Board of Directors

Coming Soon check
our website for updates

District Rule 2.3 Date TBA
Ringelmann Chart proposed
amendment workshop

District Rule 2.11 Date TBA
Particulate Matter proposed
amendment workshop

District Rule 2.12 Date TBA
Specific Contaminants proposed
amendments workshop

District Rule 2.34 Date TBA
Stationary Gas Turbines pro-
posed amendments workshop

District Rule 3.8 Date TBA
Federal Operating Permits
proposed amendments workshop

Proposed District Rule 3.23
Acid Deposition Control
workshop Date TBA

CONGRATULATIONS GOES TO . . .

ENVIROFLASH



Congratulations to **Arthur Forma** of West Sacramento. Arthur signed up to receive **Enviroflash** notifications for local air quality and his name was selected in the random drawing for a Neuton rechargeable mower.

Residents of Yolo County and the northeast portion of Solano County are encouraged to sign up to receive the free notifications. Each person can choose the level of air quality (see front page story for full description of the levels).

Enviroflash can send a simple text message to your phone or a more detailed forecast to your email. In addition to year round notification for ozone and particulate matter, Enviroflash can also send out health advisories during exceptional events such as wildfires or smoke episodes.

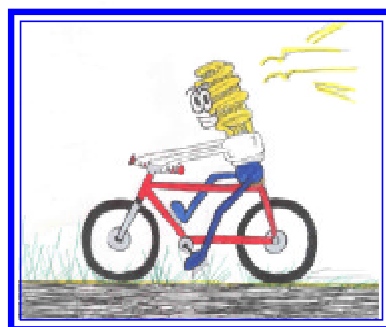
Sign up at <http://ysaqmd.enviroflash.org>
It's free, it's easy.

2010 CALENDAR CONTEST WINNERS

Congratulations to the students whose art work was selected for the 2010 Poster Calendar. Students from throughout our air district submitted their creative ideas on what they can do to help reduce air pollution. The winners each receive \$50. Calendars will be available to the public at the District's booth at the Yolo County Fair, August 19-23 or at the district office.

Leticia Cortes - Esparto
Francisco Duran - Winters
Arnon Erba - Davis
Patrick Fletcher - Vacaville
Heidi Gonzales - Winters
Cara Higashi - Vacaville

Alexis Moriarty - Vacaville
Isabel Realyvasquez - Davis
Linda Su - Davis
Monica Velasco - Winters
Ashley Wisner - Winters
Haley Wooning - Vacaville



Cycling LED light
by Leticia Cortes



1947 Galileo Court, Suite 103
Davis, CA 95618
(530) 757-3650 (800) 287-3650
Ag Burn Line
(530) 757-3660 (800) 246-3660
www.ysaqmd.org

RETURN SERVICE REQUESTED

Air Aware

Summer 2009

A Publication of the
Yolo-Solano Air Quality
Management District



WHAT COLOR IS THE AIR?

Exposure to high levels of air pollution can aggravate heart disease, asthma and other respiratory diseases. By being aware of the Air Quality Index (AQI), you can take precautions to protect yourself, your family and those under your care if you are a coach, daycare provider, or after school activities instructor.

Each day a forecast is issued stating what our forecasters think the air quality will be and it is presented as a category, number and corresponding color. The more pollution in the air, the higher the number will be. It is important to understand the various levels especially for those who are active adults exercising outdoors, people with cardio-pulmonary health problems and of course those with children whose lungs are developing.

GOOD = 0-50 (Green): Air quality is considered satisfactory.

MODERATE = 51-100 (Yellow): Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a small number of people.

UNHEALTHY FOR SENSITIVE GROUPS = 101-150 (Orange): Members of sensitive groups may experience health effects at lower levels than the general public. For example, people with lung disease are at greater risk from exposure to ozone.

UNHEALTHY = 151-200 (Red): Anyone may begin to experience health effects at this level. Members of sensitive groups may experience more serious health effects.

VERY UNHEALTHY = 201-300 (Purple): Everyone may experience more serious health effects.

HAZARDOUS = 301-500 (Maroon): Values over 300 trigger health warnings of emergency conditions. The entire population is more likely to be affected.

When the AQI is 127 or higher, we call this a "Spare the Air" day and suggest activities that will not add to the creation of ozone.

- Take a car off the road - carpool or use public transit
- Reduce energy consumption
- Refuel your car before sunrise or after sunset
- Avoid the use of gas or diesel powered machines

If you must drive:

- Drive smart. Driving at moderate speeds rather than braking and restarting constantly will save fuel and help reduce smog.
- Check your tires. 70% of vehicles have at least one under-inflated tire, which can cost you extra fuel.
- Don't idle. Idling for even one minute depletes more fuel than re-starting the engine.
- Don't top off the tank. It releases gas fumes into the air and cancels the benefits of the pump's anti-pollution devices. Stop when you hear the click.

On a Spare the Air day:

- Avoid strenuous outdoor activities when ozone levels are the highest.
- Avoid using gas-powered lawn equipment.
- Avoid using lighter fluid when you barbecue.
- Avoid congested streets and heavy traffic; motor vehicles are a primary source of air pollution.
- Make sure teachers, coaches and recreation officials know about air pollution levels and act accordingly.
- Use household, workshop, and garden chemicals in ways that keep evaporation to a minimum.

Health effects of air pollution can vary person to person. Even for healthy people, polluted air can cause irritation during exercise or outdoor activities. Actual risk depends on health status, the pollutant type and concentration, and length of exposure. Sign up for Enviroflash so that you know what color the air is: <http://ysaqmd.enviroflash.org>.

“
It is important to understand the various AQI levels especially for those who are active adults exercising outdoors, people with cardio-pulmonary health problems and of course those with children whose lungs are developing.
”

Inside this issue . . .

Clean Air Funds	2
Wildfire Smoke	2
Rules Update	3
Summer Tips	3
Calendar Contest	4
Enviroflash	4
Calendar of Events	4

WILDFIRES

Wildfires can strike at any time so the District recommends residents who see or smell smoke from a wildfire to follow these precautionary measures:

- Discontinue strenuous outdoor activities;
- Use air conditioning in cars and homes (close fresh air intake),
- Keep windows and doors closed if not too hot outdoors,
- Keep particle levels inside low by avoiding using anything that burns,
- Avoid the use of non-HEPA paper face mask filters which are not capable of filtering extra fine particulates; and,
- Avoid the fire areas.

While all persons may experience varying degrees of symptoms, the more sensitive individuals, such as the young, aged and those with respiratory conditions are of greatest risk at experiencing more aggravated symptoms. Symptoms may include, but are not limited to coughing, watery and itchy eyes, and difficulty in breathing. Persons experiencing questionable or severe symptoms should seek professional medical advice and treatment.

The District also recommends signing up for free air quality notifications through Enviroflash. Go to <http://ysaqmd.enviroflash.org> to receive health advisories during exceptional events such as a wildfire in addition to local air quality forecasts.



To improve your garden's contribution to building a cleaner environment:

- Control weeds by hand picking them and then apply mulch. Mulch also acts as a natural fertilizer, reducing the need for chemical fertilizers.
- Eliminate snails by turning your garden into a "beer garden." Fill a shallow pan with beer, sink it to ground level, and pick the snails out in the morning.
- Introduce friendly insects such as ladybugs, ground beetles, and praying mantises to rid your garden of uninvited pests.
- Cut down on yard waste by grasscycling – leaving grass clippings on the lawn, or xeriscaping – using plants that are drought resistant and don't require as much trimming.

CLEAN AIR FUNDS AWARDED

At the June 10 meeting of the Yolo-Solano Air Quality Management District's Board of Directors, the board approved funding for 20 Clean Air Fund (CAF) projects for fiscal year 2009-2010.

The CAF program offers incentive funding for projects that reduce air pollution from motor vehicles and advance the goals of the Clean Air Act. \$555,000 will be distributed for the purposes of implementing the use of cleaner technologies, low emission vehicles, alternative transportation, transit services and public education.

CAF funding comes from a portion of the annual Department of Motor Vehicles registration fee as well as, for Solano County projects, from AB 8 property tax proceeds. Funding is awarded on a competitive basis. The District is interested in achieving the greatest amount of emission reductions for the money awarded, maximizing cost effectiveness.

When evaluating project proposals, the District also looks at other factors such as:

- project merit and regional and local benefits
- potential for broad application of the project to other jurisdictions, agencies, and businesses
- matching funds provided by outside sources or the applicant

Applications receiving funding in the following categories were:

Clean Technology/Low Emission Vehicles

- Devine Intermodal - Replace 1996 yard truck with 2009 truck
- Solano Co. Dept. of Resource Management - Replace two 1992 graders with 2010 graders
- City of Woodland - Replace 1992 dump truck with 2010 truck
- City of Dixon - Retrofit storm drain truck with particulate filter

Alternative Transportation

- Da Vinci High School - Purchase Bikes and Accessories for Bike Co-Op
- Solano County Dept. of Resource Management - Vaca-Dixon Bikeway (Phase 4)
- Solano-Napa Commuter Information - Ride Share Program for Eastern Solano County

Transit Services

- City of Davis - U-Dash Campus/Downtown Mid-day Transit Shuttle Service
- City of Vacaville - City Coach Lawrence Drive Route Pilot Program and
- Yolo County Transportation District - Summer Sizzler, 2010
- Yolo County Transportation District - "Spare the Air" Free Ride Days

Public Information and Education

- Solano Transportation Authority - STA Climate Change Study and Action Plan
- Breathe California of Sacramento Emigrant Trails - Conduct Student Air Quality Assessment at High School Campuses in Yolo and Eastern Solano Counties
- Solano Transportation Authority - Education and Encouragement element for Safe Routes to School in Dixon, Vacaville and Rio Vista
- Climate Change Compact of Yolo County - Continue Climate Change work
- Explorit Science Center - Air Pollution Activity Station
- UCD TAPS - UCD Alternative Transportation Public Education Program
- Yolo TMA - Yolo Commute Alternatives Resource (YCAR)
- City of Vacaville - City Coach Summer Youth Pass Public Education Campaign



Shipping container yard truck for Devine Intermodal

STATS: April 1, 2009 - June 30, 2009

ATC Applications Received	59	Complaints Investigated	7
ATC Applications Processed	40	Inspections Performed	285
PTO Applications Received	72	Notices of Violation (NOVs)	90
PTO Applications Processed	53	Notices to Comply (NTCs)	116

SUMMER TIPS

Thinking of hitting the road this summer?

Here are steps that you can take to make summer travels more hassle-free and enjoyable, while saving money and helping the environment.

- Refuel when it's cool - early morning or late evening
- Don't top off your tank.
- Don't let your car idle more than 30 seconds.
- Don't sit in traffic. Travel at times other than rush hour, if possible.
- Avoid lines at drive-thrus.
- Avoid jackrabbit starts and hard stops.
- Try sharing a ride or taking public transportation on your vacation.

Treat your car well and it will take care of you and the air.

- Keep your tires inflated to the recommended level.
- Get regular tune-ups.
- Make sure your gas cap closes tightly – replace it if it's old.
- Keep your air filter clean.
- Change the oil regularly, as recommended in your owner's manual.

Staying home instead? Try these tips:

TIP 1: Bar-b-ques that use charcoal lighter fluid can add a not-so-healthy morsel to the air. Volatile Organic Compounds (VOCs) contribute to ground-level ozone, better known as smog. Electric starters or chimney briquette starters work just as well without adding to air pollution. If you are in the market for a new bar-b-que this summer, consider a propane fueled unit.

TIP 2: When you are sprucing up your yard, use electric garden equipment whenever possible. The use of gas-powered lawn and garden equipment result in the spill of millions of gallons of fuel each year. That gas evaporates into the air, helping to form smog. If you must use fuel, use it carefully and store it with a tight-fitting cap.

TIP 3: Thinking of painting the house? Choose water-based paints, paint with rollers or brushes, properly dispose of paints and solvents, and seal paint containers tightly.

RULES UPDATE

Proposed Revision District Rule 2.34 Stationary Gas Turbines

The District is currently working on a revision to District Rule 2.34 that would propose to change the startup/shutdown duration limitations and could possibly change the way emission limits are imposed on turbines. The District currently has one permitted source and one proposed source that are subject to the rule. The current rule imposes limitations on NOx emissions from turbines.

Proposed Rule for Acid Rain Sources

The District is currently developing a new rule that would affect facilities that are subject to the acid rain provisions of the Federal Code of Regulations, Section 40, Part 72. The rule would be implemented in conjunction with the District's existing Rule 3.8, Federal Operating Permits. The District currently has one permitted source and one proposed source that would be subject to the rule. The proposed rule will implement the provisions of the Federal subpart so that the District may include the provisions on permits, as necessary.

Proposed Revision District Rule 3.8 Federal Operating Permits

The existing rule details provisions for how the District's federally major facilities apply for, receive, modify, and renew Federal Operating Permits. The District is currently working on a revision to the rule that would propose to change the provisions for processing of operating permit modifications for federally major facilities. The District currently has sixteen permitted sources and one proposed source that are subject to the rule.

District Rule 2.37 Natural Gas-Fired Water Heater and Small Boilers

On April 8, 2009, the District board adopted amendments to Rule 2.37. The amendments go into effect beginning January 1, 2010. A fact sheet and brochure with details of the rule and the specific equipment it applies to is available on request or visit www.ysaqmd.org.

BOARD OF DIRECTORS

As a public health agency, the Yolo-Solano Air Quality Management District's role is to protect human health and property from the harmful effects of air pollution.

Jack Batchelor, Jr.
Mayor, Dixon

Wes Beers
Councilmember, West Sacramento

Duane Chamberlain
Supervisor District 5, Yolo County

Len Augustine
Mayor, Vacaville

Lamar Heystek
Councilmember, Davis

Michael Martin
Mayor, Winters

Art Pimentel
Vice-Mayor, Woodland

Mike Reagan
Supervisor District 5, Solano County

Matt Rexroad
Supervisor District 3, Yolo County

Linda Seifert
Supervisor District 2, Solano County

Helen Thomson
Supervisor District 2, Yolo County

John Vasquez
Supervisor District 4, Solano County

Jan Vick
Mayor, Rio Vista

Board meetings are held at 9 a.m. the 2nd Wednesday of each month at the YSAQMD office located at 1947 Galileo Court, Suite 103, Davis. The public is welcome to attend. For a current agenda go to www.ysaqmd.org or call (530) 757-3650 or (800) 287-3650.

Mat Ehrhardt, P.E.
Executive Director/
Air Pollution Control Officer

AIR AWARE,
funded by DMV fees,
is published quarterly.

Editor: Kathy Coulter

Contributing writers:
Jim Antone
Matt Jones
Courtney Howerton