

# Yuba - Sutter Air Matters



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[www.fraqmd.org](http://www.fraqmd.org)

Serving Sutter and Yuba Counties

## Recently Adopted and Upcoming Rule Amendments: Solvents, Coatings, and Boilers

The FRAQMD Board adopted amendments to **Rule 3.14 Surface Prep and Cleanup** and **Rule 3.19 Mobile Equipment Coatings** on August 1, 2016. The amendments incorporated the ARB's Suggested Control Measure VOC limits into FRAQMD Rules 3.19 and 3.14, reducing emissions from automotive refinishing processes and solvent usage.

**Rule 3.23 Small Boilers**— The FRAQMD is proposing a new rule which would require newly purchased and installed small natural gas and propane water heaters, boilers, and process heaters ranging in size from 75,000 to 1,000,000 British thermal units (Btu) to meet emission standards. It does not require retrofits of existing units. There will be a public workshop held on August 18. The public hearing for

rule adoption is scheduled at 4:00 pm on October 3rd. For more information on the Small Boiler Rule contact Emmanuel Orozco at (530) 634-7659 ext 208.

These rules must be updated to comply with the [Ozone State Implementation Plan](#). For more information call FRAQMD or visit [www.fraqmd.org](http://www.fraqmd.org).

### 3rd Quarter Dates of Interest:

- August 1 The FRAQMD Board adopted amendments to Rules 3.14 and 3.19
- August 5 The BCC adopted new burn zones for Yuba/Sutter counties
- August 12 Blue Sky RFP Begins
- August 18 Public Workshop for proposed Rule 3.23

### 2016 FRAQMD Board

Stan Cleveland, Chair, Yuba City

Dale Whitmore, Vice-Chair, Marysville

Mary Jane Griego, Yuba County

John Nicoletti, Yuba County

Larry Munger, Sutter County

Jim Whiteaker, Sutter County

Ron Sullenger, Sutter County

Gary Baland, City of Live Oak

Jay Pendergraph, City of Wheatland

The FRAQMD Board meets at 4pm on the first Monday of the even months

## Wildfire Smoke May Impact Local Air Quality

Wildfire smoke has become a common occurrence during summertime in the Sacramento Valley. The District provides air quality forecasting and alerts available by text message or email. You can sign up on the website.

Smoke is a complex mixture of carbon dioxide, water vapor, carbon monoxide, particulate matter, hydrocarbons and other organic chemicals, nitrogen oxides, and trace minerals. Smoke composition depends on multiple factors, including how efficiently a fuel burns, the fuel type and moisture content, the fire temperature, wind conditions and other weather-related influences, whether the smoke is fresh or "aged," and other variables. Particulate matter is the principal pollutant of concern from wildfire smoke for the relatively short-term exposures (hours to weeks) often experienced by the

public. Particulate matter is a generic term for particles suspended in the air, typically as a mixture of both solid particles and liquid droplets. The size of particles affects their potential to cause health effects. Particles larger than 10 micrometers do not usually reach the lungs, but can irritate the eyes, nose, and throat. For purposes of comparison, a human hair is about 60 micrometers in diameter. Small particles with diameters less than or equal to 10 micrometers, also known as particle pollution or PM10, can be inhaled deep into the lungs; exposure to the smallest particles can affect the lungs and heart. Particle pollution includes "coarse particles," also known as PM10-2.5, with PM10-2.5, with diameters from 2.5 to 10 micrometers and "fine particles," also known as PM2.5, with

diameters that are 2.5 micrometers and smaller. Another pollutant of concern during smoke events is carbon monoxide, which is a colorless, odorless gas produced by incomplete combustion of wood or other organic materials. Carbon monoxide levels are highest during the smoldering stages of a fire, especially in very close proximity to the fire.

The air quality monitor in Yuba City provides near real-time PM2.5 concentrations. In addition, the District owns and deploys a portable monitor called an "EBAM" during smoke events. Beale Air Force Base also owns an EBAM which can be deployed during smoke events on base.

For more information visit [www.fraqmd.org](http://www.fraqmd.org) or <https://www.epa.gov/natural-disasters/wildfires>.



Photo taken by Chris Brown July 28, 2016, of smoke in the Sacramento Valley as seen from Mt. Lassen

## Feather River Air Quality Management District

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Air Pollution Control Officer

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Residential Burn Line: 530-741-6299

### Blue Sky Grants

Proposals for the Blue Sky Grant Program will be accepted beginning August 12, 2016. Projects should reduce emissions from registered motor vehicles or reduce vehicle miles traveled.

The District has approx. \$230,000 for AB2766 and \$310,000 for school bus replacement/retrofits under AB923. For more information visit our website <http://www.fraqmd.org/blue-sky-grant-program>.

### 2016 Carl Moyer Awards

The District signed 18 contracts for Carl Moyer Program Off-Road Equipment Replacement projects in 2016 for a total off \$759,765.84. The projects will achieve oxides of nitrogen, reactive organic gas, and particulate matter reductions in Yuba and Sutter counties by replace uncertified off-road equipment with final Tier 4 equipment. Visit <http://www.fraqmd.org/carl-moyer-grant-program> for more information.

## The Engineering Division

The Engineering Division processes authority to construct/permit to operates for all of the stationary and some portable sources of air pollution in Yuba and Sutter counties. The Division also develops rules and regulations for emission sources, conducts inspections of new sources, processes Emission Reduction Credit applications and transfers, administers the Agricultural Engine Registration Program.

### Emmanuel Orozco

A relatively new addition to the District, Emmanuel started with FRAQMD just over a year ago in June of 2015. As a former Project Manager in the Air Quality Services division of Montrose Environmental Group, Emmanuel comes from a background in emissions testing and air pollution control engineering. He has worked on a variety of complex emission sources including natural gas-fired power plants, oil refineries, and glass manufacturing furnaces. He is currently responsible for the District's Title V Major Source program as well as the general engineering evaluations for FRAQMD's permitted sources. Emmanuel is always happy to answer any questions that Yuba-Sutter residents may have regarding permitting or engineering challenges. Emmanuel speaks Spanish and is available for translation services to the Spanish speaking community.



Emmanuel was born and raised in the foothills of Placer County and now lives in Yuba City alongside his wife, Sarah. He is an avid outdoorsman and can be found camping, hiking, or hunting on most weekends.

### Alamjit Mangat

Alam has served at the District as an Air Quality Engineer for a little over a year now. He graduated from UC Davis with a degree in civil & environmental engineering in 2013. He worked in the civil engineering sector in the Bay Area before transferring over to the environmental sector at the District. Alam currently conducts engineering evaluations, processes permit applications, manages the agricultural registration program and emission reduction credit (ERC) program, and is the in-house IT specialist. Alam speaks Punjabi and is available for translation services to the Punjabi speaking community.

Alam has local roots in the Yuba-Sutter area as he grew up in Yuba City and went to elementary, middle and high school all in Yuba City. Alam is glad to be working locally and looks forward to help improve the air quality of both Yuba and Sutter counties.



Renew your Rice Straw  
Burn Permit now!  
Contact Judy Harlow at  
(530) 634-7659 ext 207

## Volkswagen Diesel Vehicles

The California Air Resources Board maintains a webpage for owners of VW's that may be impacted by the investigation: [http://www.arb.ca.gov/msprog/vw\\_info/vw\\_faq.htm](http://www.arb.ca.gov/msprog/vw_info/vw_faq.htm). The District is not directly involved with the investigation.