



California Environmental Protection Agency

AIR RESOURCES BOARD

Office of Emergency Response

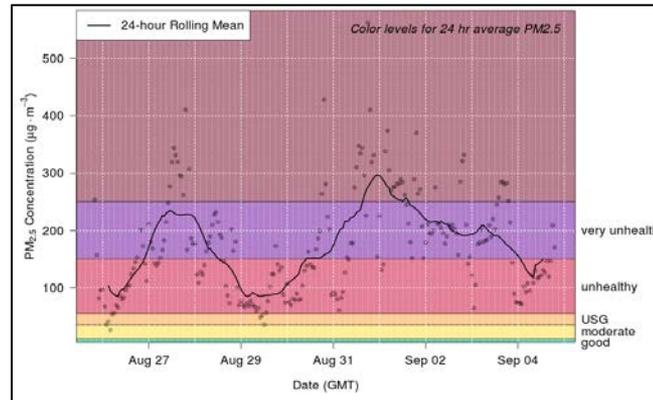
Wildfire Air Monitoring Response Coordination, Data Gathering and Management

California Air Resources Board
Office of Emergency Response

Mission

- Provide accurate, relevant, and timely measurements of air pollutants during unplanned releases
- Support air district's emergency air monitoring programs
- Coordinate best practices statewide

Air Response Model



Data



Data to
Message



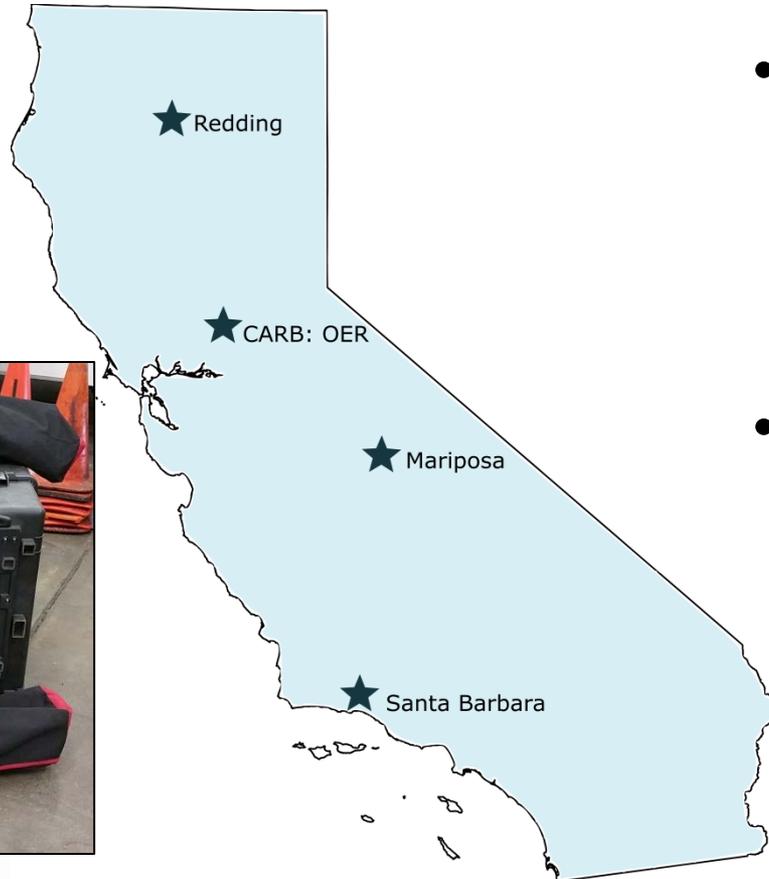
Message to
Audience

Portable Smoke Monitoring Equipment

- E-BAM (30 units + 6 and 36 radios) - Portable PM2.5 monitoring instrument with accessible hourly data via satellite. PM2.5/WS/WD/RH/TEMP

(4 storage caches-Redding, Sacramento, Mariposa, Santa Barbara)
- MicroDust (4 units) - Self-contained mobile monitor for rapid, short term, real-time PM2.5 monitoring.
- Portable Met Station (4 units) - Self-contained portable RAWS meteorological monitoring stations. (Mesowest data)

Cache and Loan Programs

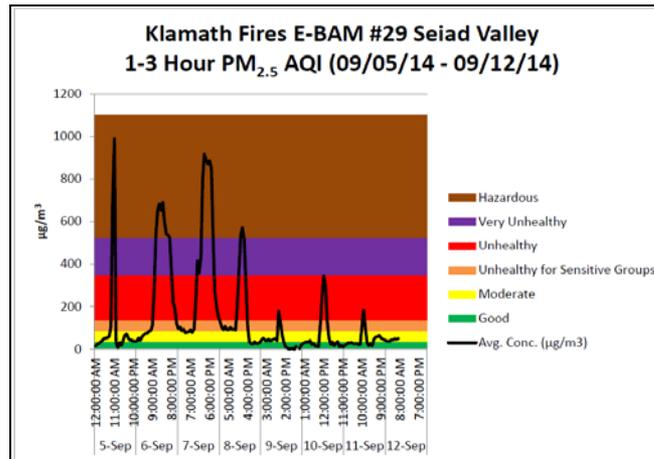


- Each cache consists of two complete sets of PM2.5 monitor and deployment tools.
- Other loans available (AIRSIS Radios)

Monitoring Wildfire Smoke



Portable air monitor deployments during wildfires



Incident Information Systems

From: Vasek, Gregory@ARB
 To: Warning Center @OES
 Cc: Pearson, Charles@ARB; Coppel, Mark@ARB; Bennett, Russ@ARB; Mehadi, Ahmed@ARB; McCormack, Joseph@ARB; Li, Peter @ARB
 Subject: RE: Hazardous Materials Spill Report: Cal OES Control #15-7069

Sent: Wed 12/2/2015 10:15 AM

Please Confirm Receipt via E-Mail or by phone at 916-845-8911. Thanks Kevin

Governor's Office of Emergency Services
 Hazardous Materials Spill Report

DATE: 12/02/2015 | RECEIVED BY Cal OES: Kevin Poole | Cal OES CNTRL #15-7069
 TIME: 1425 | RECEIVED BY OSPR: | NRC#:

1.a. PERSON NOTIFYING Cal OES
 1. NAME: Harish Shukla | 2. AGENCY: Souther California Gas Company
 3. PHONE #: 213-407-4679 | 4. EXT: | 5. PAGER #:

1.b. PERSON REPORTING SPILL (if different from above):
 1. NAME: | 2. AGENCY:
 3. PHONE #: | 4. EXT: | 5. PAGER #:

2. SUBSTANCE TYPE:
 a. SUBSTANCE: / b. QTY: / Amount / Measure / c. TYPE / d. OTHER / e. PIPELINE / f. Vessel Over => 300 tons
 1. Natural Gas / = / unknown / Unknown / CHEMICAL / / No / No
 2.
 3.

g. DESCRIPTION: Caller states school maintenance personnel noticed natural gas smell coming from a nearby construction site near the Cahouilla Desert Academy causing a larger release of natural gas. The increase release of the natural gas caused the school to evacuate.

h. CONTAINED: No | i. WATER INVOLVED: No
 j. WATERWAY: | k. DRINKING WATER IMPACTED: No
 l. KNOWN IMPACT: Other Reason: School Evacuated
 3.a. INCIDENT LOCATION: 82489 Avenue 52
 b. CITY: Coachella | c. COUNTY: Riverside County | d. ZIP:

4. INCIDENT DESCRIPTION:
 a. DATE: 12/2/2015 | b. TIME(Military): 0900 | c. SITE: School | d. CAUSE: Human Error
 CLEANUP BY: Reporting Party
 e. INJURIES #: 2 | f. FATALS #: | g. EVACS #: 1,000

InciWeb Incident Information System

Incidents > California

California Incidents

Incidents Announcements Closures News Photographs Maps

Viewing 1-10 of 20 incidents sorted by MODIFIED in DESCENDING order.

< previous | 1 | 2 | next >

Sort this table by clicking a column header. Clicking the header a second time sorts the table in the opposite direction. You can view a specific incident by clicking the incident name.

Incident	Type	Unit	Status	Acres	Update
Shasta-Trinity NF Rx Fire	Prescribed Fire	Shasta - Trinity National Forest	Active	0	22 hrs.
Klamath Prescribed Burning 2015-2016	Prescribed Fire	Klamath National Forest	Active	0	3 days
Rough Post Fire BAER	Burned Area Emergency Response	Sierra National Forest	Active	0	11/25/2015
2015 Six Rivers Post-Fire BAER	Burned Area Emergency Response	Six Rivers National Forest	Active	0	11/23/2015
River Complex	Wildfire	Shasta - Trinity National Forest	Active	77,081	11/10/2015
Lake Post-Fire BAER	Burned Area Emergency Response	San Bernardino National Forest	Active	0	11/10/2015
Lake Fire	Wildfire	San Bernardino National Forest	Active	31,359	11/10/2015
Rough Fire	Wildfire	Sierra National Forest	Active	151,623	11/5/2015
Gibraltar	Wildfire	Los Padres National Forest	Active	21	11/4/2015
Nickowitz	Wildfire	Six Rivers National Forest	Active	7,509	10/30/2015

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This Site California

HOME
ABOUT US
PROGRAMS
NEWSROOM
CAREERS
RESOURCES

Incident Information

CURRENT FIRE INFORMATION

This is the complete list of 2015 major incidents that have been posted to this site. You can see the location of Major Incidents on the Google Statewide Fire Map.

Incidents sort order: Default Incidents per page: 5

< 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 >

Banister Fire:

Name: Banister Fire
 County: Ventura County
 Location: off Wood Ranch Parkway 2 miles sw of Simi Valley
 Administrative Unit: [Ventura County Fire Department](#)
 Acres Burned - Containment: 29 acres - 100% contained
*** Not a CAL FIRE incident. Click the link for information from the Ventura County Fire Department
 Date Started: November 11, 2015 5:40 pm
 Last update: November 12, 2015 6:00 pm

Potrero Fire:

Name: Potrero Fire
 County: Ventura County
 Location: Hidden Valley area, southwest of Thousand Oaks
 Administrative Unit: [Ventura County Fire Department](#)
 Acres Burned - Containment: 50 acres - 100% contained
*** Not a CAL FIRE incident. Click the link for information from the Ventura County Fire Department
 Date Started: November 7, 2015 1:45 am
 Last update: November 7, 2015 4:45 pm

Gibraltar Fire:

Incidents: 2015 Six Rivers Post Fire BAER

California Statewide Fire Map

2015 Calif...

Map data ©2015 Google, INEGI Terms 100 mi
View California Fire Map in a larger map

INCIDENT INFORMATION MORE INFO

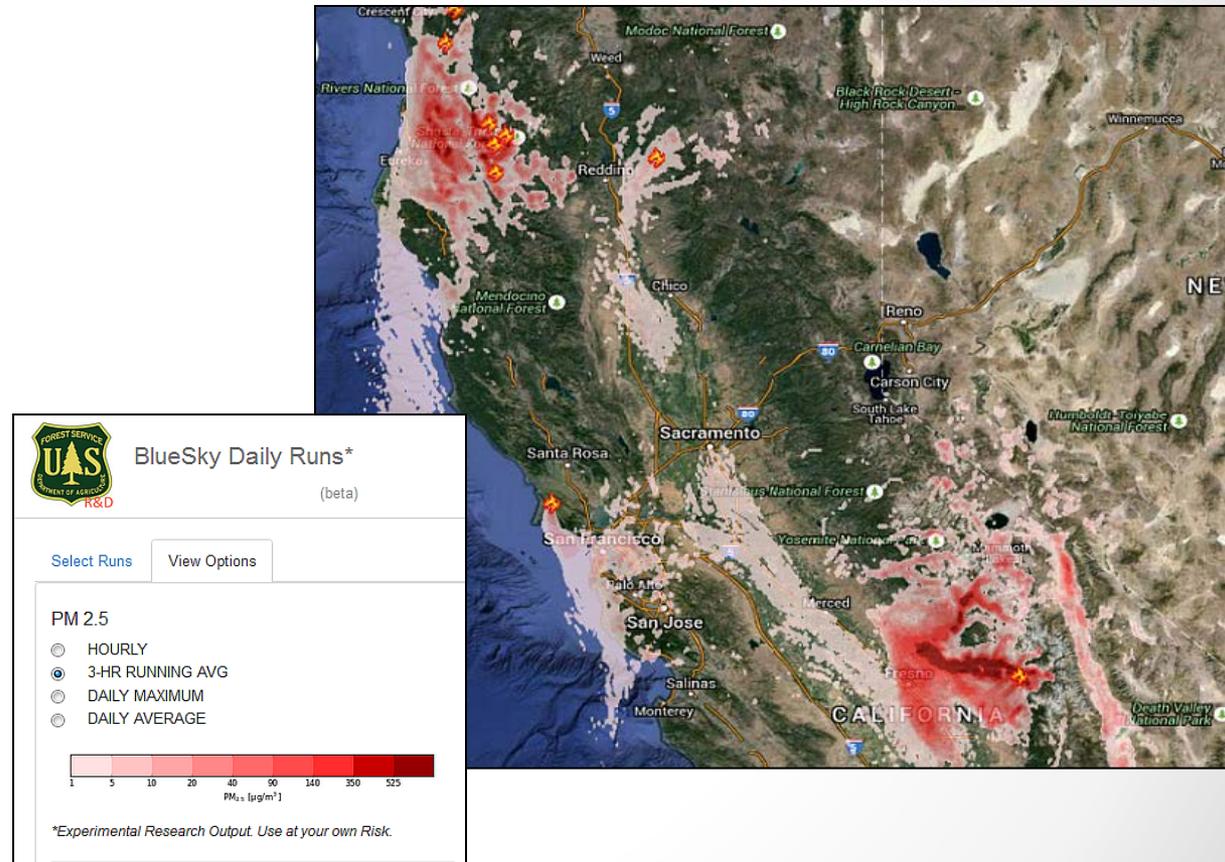
- Fire Information
- Archived Fires
- Statistics & Events
- Fire Terminology
- Burn Permit Information
- CAL FIRE Hired Equipment Policy
- Links

FOLLOW THIS STATE

- Incident RSS Feed
- Article RSS Feed
- Google Earth Network Feed

Smoke Plume Model Runs

- Website automatically generates daily plume models twice a day (select your run).
- Estimates PM concentration values.
- Animated 72 hour outlook.
- Probability where smoke is predicted to go.



Creating an Air Monitoring Network



Portable Samplers



Mobile Samplers



Network Monitors

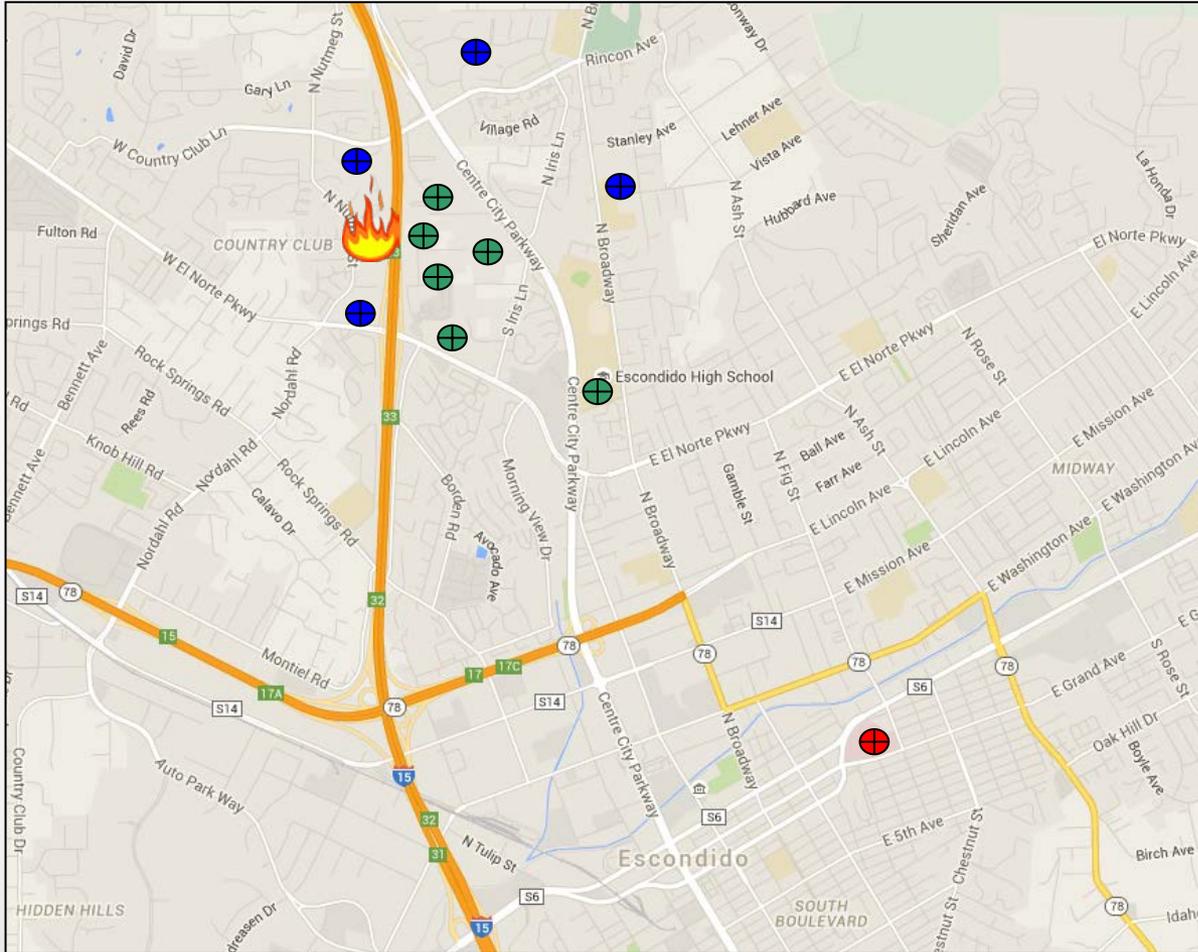


**Field GC/MS and IR
Detectors**



Summa Canisters

Layered Data Collection Strategy



- Network Sites**
Fixed sites designed for compliance monitoring
- Portable Sites**
Set up quickly, left unattended, transmit data
- Mobile Sites**
Rapidly changing conditions, requires support staff

Selecting Monitoring Locations



E-BAM Siting

- Appropriate outdoor location
- Access to electrical outlet
- Avoid obstructions
- Access to open air
- Away from sources

Safety and Security

- Counterweighted or staked
- Non pitched rooftops
- Tripod with rubber feet

Power

- Stable power source
- 12 volts DC max 48 watts (less than most laptops)
- Auto restart if power loss

Data Flow

Providers (Data):

ARB

US Forest Service

Air Districts

National Park Service

Other States

Users (Messaging):

Air Districts

Public Health

Media

Public

AQ Researchers

AQ Policy makers

Data QA/QC

Raw data undergoes automated QA/QC macros:

Eliminates data

- during initial monitor stabilization (1st hour)
- improper flowrate
- abnormal temp or RH
- instruments electronic noise (negative values)
- duplicate data set

Current Status | Unit Locations Map | Administration | Export Data: Excel | Log off

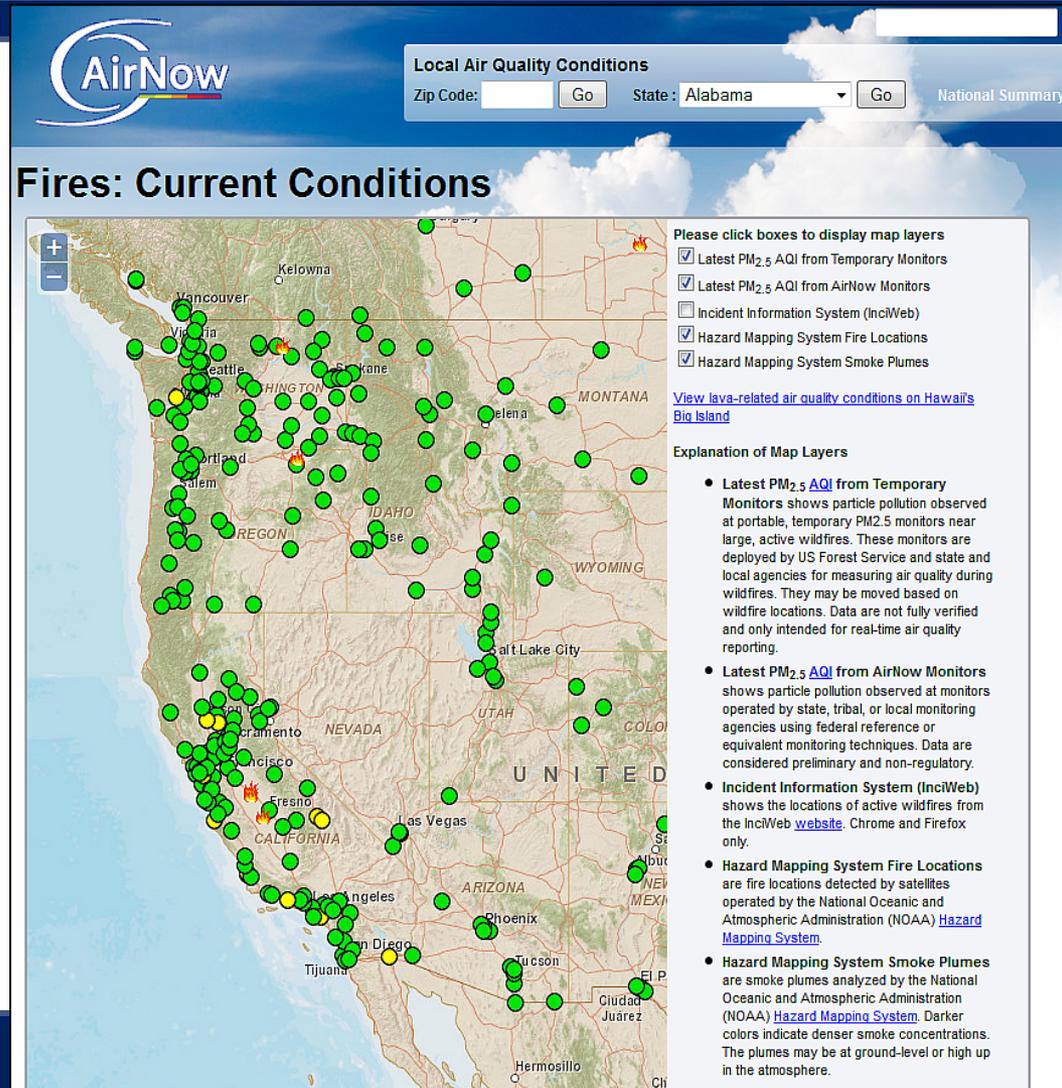
Current Status

Alias	Date/Time	Location	Date/Time/GMT	ConcRT	ConcHr	Flow	W/S	W/D	AT	RHx	RHi	BV	FT
ARB 21 (offline)	10/5/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/5/2015 7:00:00 PM	0.007	0.004	16.7	1.2	245	21.1	36	15	14.4	27.7
ARB 1 (offline)	8/25/15 9:00AM	U Street V Street Alley, Sacramento, CA 95818, USA	8/25/2015 5:00:00 PM	0.024	0.028	16.7	0.6	147	21.8	47	23	14.1	33.9
ARB 13 (offline)	11/10/15 9:04AM	2130 13th Street, Sacramento, CA 95818, USA	11/10/2015 5:00:00 PM	-0.005	-0.005	16.7	0.3	72	9.9	82	38	14.4	14.8
ARB 14 (offline)	10/6/15 8:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/6/2015 4:00:00 PM	0.006	0.012	16.7	0.5	51	12.2	0	39	14.4	26.5
ARB 15 (offline)	10/6/15 9:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/6/2015 5:00:00 PM	0.021	0.016	16.6	0.7	260	13.6	0	44	14.4	23.0
ARB 16 (offline)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/6/2015 7:00:00 PM	0.002	0.002	16.7	1.3	262	22.2	46	20	14.3	32.0
ARB 17 (offline)	10/6/15 8:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/6/2015 4:00:00 PM	0.006	0.012	16.7	0.5	51	12.2	0	39	14.4	26.5
ARB 18 (offline)	10/5/15 9:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/5/2015 5:00:00 PM	0.024	0.028	16.7	0.6	147	21.8	47	23	14.1	33.9
ARB 19 (offline)	10/14/15 12:04PM	2130 13th Street, Sacramento, CA 95818, USA	10/14/2015 8:00:00 PM	0.006	0.012	16.7	0.5	51	12.2	0	39	14.4	26.5
ARB 20 (offline)	10/6/15 7:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/6/2015 3:00:00 PM	0.004	0.004	16.7	0.3	72	9.9	82	38	14.4	14.8
ARB 22 (offline)	10/1/15 4:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/1/2015 0:00:00 PM	0.006	0.012	16.7	0.5	51	12.2	0	39	14.4	26.5
ARB 23 (offline)	10/14/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	10/14/2015 7:00:00 PM	0.006	0.012	16.7	0.5	51	12.2	0	39	14.4	26.5
ARB 24 (offline)	10/15/15 10:09AM	2130 13th Street, Sacramento, CA 95818, USA	10/15/2015 6:00:00 PM	0.008	0.011	16.7	1.8	227	28.5	48	27	14.4	31.6
ARB 25 (offline)	10/29/15 12:20PM	186 NE Green Street, Sacramento, CA 95818, USA	8/3/2015 5:00:00 PM	0.012	0.005	16.7	1.4	233	26.8	53	31	14.4	28.6
ARB 26 (offline)	10/23/15 11:04AM	U Street V Street Alley, Sacramento, CA 95818, USA	8/3/2015 6:00:00 PM	0.006	0.008	16.7	0.8	257	25.8	54	33	14.4	27.3
ARB 27 (offline)	9/16/15 11:58AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 7:00:00 PM	0.007	0.009	16.7	0.6	309	24.6	55	33	14.4	26.3
ARB 28 (offline)	10/5/15 10:09AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 8:00:00 PM	0.015	0.012	16.6	0.5	117	22.1	65	37	14.4	24.6
ARB 29 (offline)	10/23/15 4:04PM	U Street V Street Alley, Sacramento, CA 95818, USA	8/3/2015 5:00:00 PM	0.013	0.017	16.7	0.6	126	20.5	71	41	14.4	22.8
ARB 3 (Clearlake)	11/4/15 11:04AM	Lat: 38° 47' 4	8/3/2015 11:00:00 PM	0.012	0.017	16.7	0.5	57	17.7	77	43	14.4	20.2
ARB 30 (offline)	9/21/15 2:04PM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 12:00:00 PM	0.009	0.009	16.7	0.4	31	16.1	92	45	14.4	19.5
ARB 31 (offline)	11/6/15 2:52PM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 13:00:00 PM	0.007	-0.001	16.7	0.5	64	15.9	84	45	14.4	19.9
ARB 32 (offline)	10/5/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 14:00:00 PM	-0.007	0.015	16.7	0.9	121	16.6	79	45	14.4	19.8
ARB 33 (offline)	10/5/15 10:09AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 15:00:00 PM	-0.003	-0.005	16.7	1.1	129	18.5	70	42	14.4	21
ARB 4 (offline)	9/24/15 9:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 16:00:00 PM	-0.005	-0.005	16.7	0.9	186	22.3	59	35	14.4	24.9
Unit 1022 (offline)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 17:00:00 PM	0.003	0.004	16.7	0.8	238	24.9	54	28	14.4	29.8
Unit 1023 (offline)	10/6/15 10:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 18:00:00 PM	0.007	0.012	16.7	1	238	26.9	49	23	14.4	33.5
ARB 3 (Clearlake)	11/4/15 11:04AM	Lat: 38° 47' 4	8/3/2015 19:00:00 PM	0.011	0.003	16.7	1.1	243	28.9	44	20	14.4	36.4
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 20:00:00 PM	0.017	0.018	16.7	1.6	154	33	29	15	14.4	39.4
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 21:00:00 PM	0.008	0.011	16.7	1.9	154	34.4	22	12	14.4	39.8
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 22:00:00 PM	0.003	0.003	16.7	2.4	138	34.9	19	11	14.4	40.3
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/3/2015 23:00:00 PM	0	-0.004	16.7	2.1	149	35.3	18	10	14.4	40.7
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 0:00:00 PM	0.004	0.005	16.7	1.8	160	35.3	17	10	14.4	40.7
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 1:00:00 PM	0.004	0.006	16.7	1.5	280	34.5	26	14	14.4	40.5
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 2:00:00 PM	0.004	0.001	16.7	1.6	231	32.6	30	16	14.4	38.2
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 3:00:00 PM	0.007	0.01	16.7	1.5	228	29.7	37	20	14.4	34.6
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 4:00:00 PM	0.007	0.007	16.7	1.8	225	26.1	50	28	14.4	29.4
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 5:00:00 PM	0.008	0.012	16.7	1.9	225	23.9	36	33	14.4	25.9
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 6:00:00 PM	0.009	0.006	16.7	1.3	227	22.9	59	36	14.4	24.3
ARB 3 (Clearlake)	10/6/15 11:04AM	2130 13th Street, Sacramento, CA 95818, USA	8/4/2015 7:00:00 PM	0.01	0.008	16.7	1	282	22.2	63	38	14.4	23.5

AirNow Wildfire Webpage

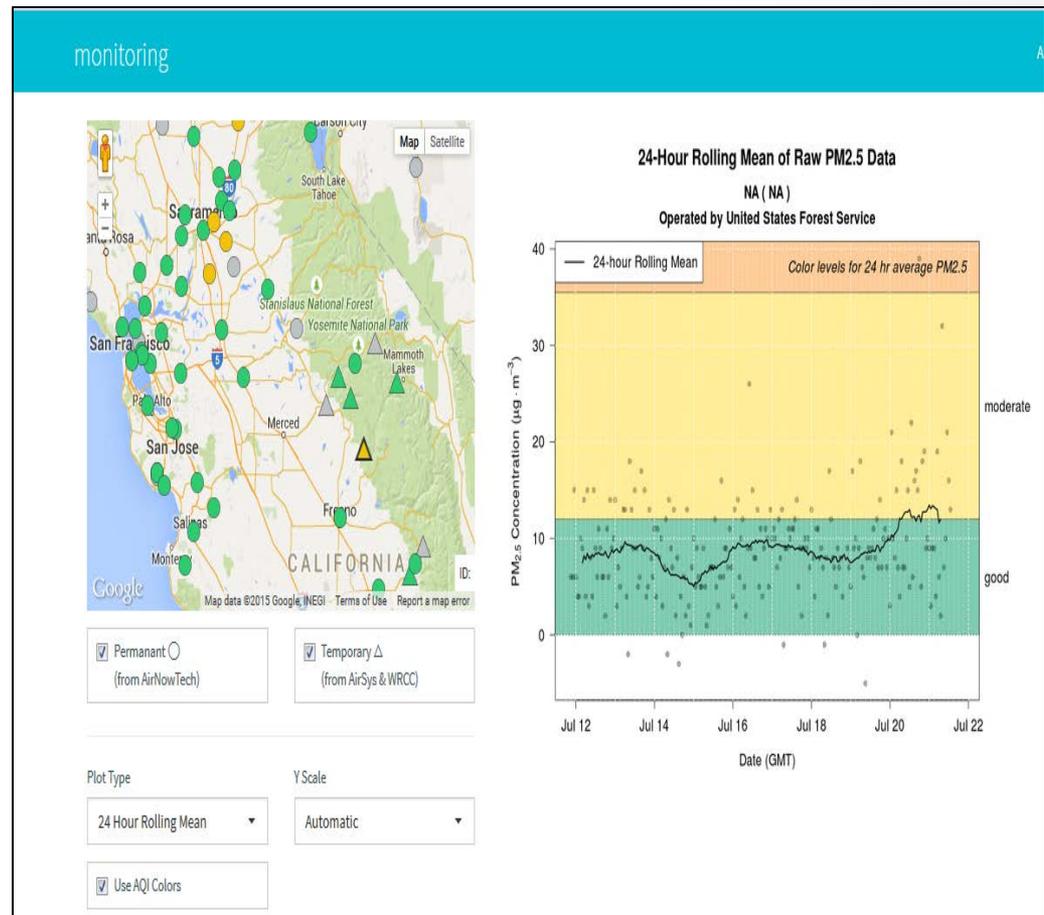
Dynamic map with selectable overlays:

- Nationwide
- Current PM2.5 AQI (Network & Portable)
- Fire locations
- Smoke plumes
- Incident information
- Scale able to include new data inputs



AirFire Webpage and Graphs

- Data available from all permanent, portable monitors (USFS, NPS, ARB, District, Tribal, others)
- Auto generates customizable reports
- Stable hyperlink
- Includes maps, PM concentration and daily trend data



Wildfire Smoke Guide

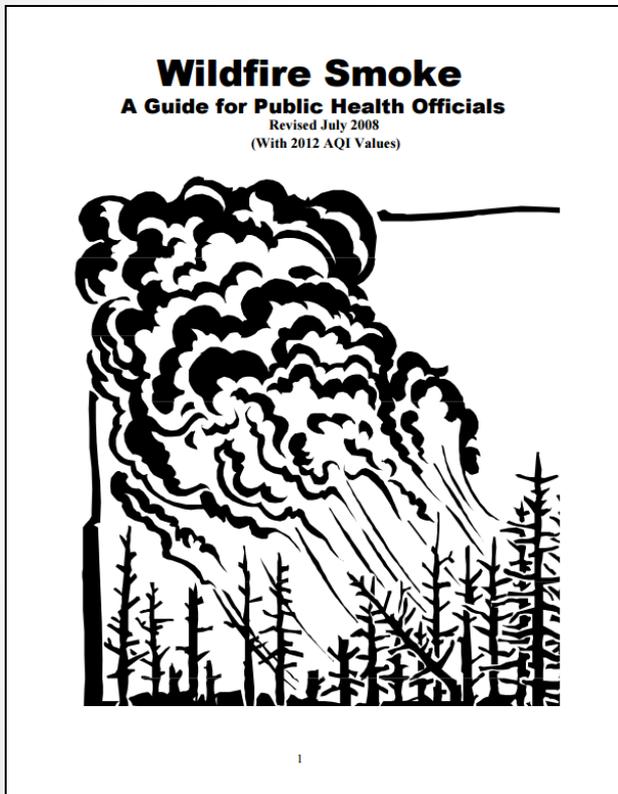


Table 3. Recommended Actions for Public Health Officials ^{2,3}

AQI Category (AQI Values)	PM2.5 or PM10 Levels (ug/m ³)			Visibility - Arid Conditions (miles)	Recommended Actions
	1-3hr avg	8 hr avg	24 hr avg ¹		
Good (0 to 50)	0 – 38	0 – 22	0 – 12	≥11	<ul style="list-style-type: none"> If smoke event forecast, implement communication plan
Moderate (51 to 100)	39 – 88	23 – 50	12.1 – 35.4	6 – 10	<ul style="list-style-type: none"> Issue public service announcements (PSAs) advising public about health effects and symptoms and ways to reduce exposure Distribute information about exposure avoidance
Unhealthy for Sensitive Groups (101 to 150)	89 – 138	51 – 79	35.5 – 55.4	3 – 5	<ul style="list-style-type: none"> If smoke event projected to be prolonged, evaluate and notify possible sites for cleaner air shelters If smoke event projected to be prolonged, prepare evacuation plans
Unhealthy (151 to 200)	139 – 351	80 – 200	55.5 – 150.4	1.5 – 2.75	<ul style="list-style-type: none"> Consider "Smoke Day" for schools (i.e., no school that day), possibly based on school environment and travel considerations Consider canceling public events, based on public health and travel considerations
Very Unhealthy (201 to 300)	352 – 526	201 – 300	150.5 – 250.4	1 – 1.25	<ul style="list-style-type: none"> Consider closing some or all schools (Newer schools with a central air cleaning filter may be more protective than older, leakier homes. See "Closures", below.) Cancel outdoor events (e.g., concerts and competitive sports)
Hazardous (> 300)	> 526	> 300	> 250.5-500	< 1	<ul style="list-style-type: none"> Close schools Cancel outdoor events (e.g., concerts and competitive sports) Consider closing workplaces not essential to public health If PM level is projected to remain high for a prolonged time, consider evacuation of sensitive populations

¹Revised 24 hour average breakpoints from the Revised Air Quality Standards for Particle Pollution and Updates to the Air Quality Index, US Environmental Protection Agency, December 14, 2012. Available at <http://www.epa.gov/airquality/particulatepollution/actions.html#dec12>.

²These 1- and 8-hr PM2.5 levels are estimated using the 24-hr breakpoints of the PM2.5 Air Quality Index included in the February 7, 2007 issue paper (http://www.epa.gov/airnow/aqi_issue_paper_020707.pdf) by dividing the 24-hr concentrations by the following ratios: 8-hr ratio is 0.7, 1-hr ratio is 0.4. Visibility is based on 1-hr values. If only PM10 measurements are available during smoky conditions, it can be assumed that the PM10 is composed primarily of fine particles (PM2.5), and that therefore the AQI and associated cautionary statements and advisories for PM2.5 may be used. This assumption is reflected in the column headings for Table 3.

³ Washington and Montana have developed more precautionary breakpoints, which can be found at: <http://www.deq.mt.gov/FireUpdates/BreakpointsRevised.asp> and <http://www.ecy.wa.gov/programs/air/pdfs/WAQA.pdf>

Public Health Advisories

School Closures



Sporting Events Cancelled



Iron Man Triathlon Cancelled

Public Messaging Tools

- California Smoke Information (Blogspot)
- Smoke impact summaries
- Blog auto post to Twitter

California Smoke Information

This site is a voluntary effort by city, county, state, tribal and/or federal agencies to California communities affected by wildfire smoke.

HOME CURRENT AIR QUALITY WHERE'S THE FIRE SMOKE AND HEALTH MAPPING - WEBCAMS

TUESDAY, SEPTEMBER 8, 2015

Tuesday, September 8, 2015 - North Coast Unified AQMD Smoke PSA

The North Coast Unified Air Quality Management District had issued a Public Service Announcement smoke from current wildfires dated September 8, 2015. There are currently no Unhealthy Advisory Hazardous Alerts issued in our area. See the [district's website](#) for additional information.

Posted by North Coast Air Quality at 10:36 AM No comments:

Recommend this on Google

Report

Issue Date: 09/08/2015
 : Josh Hall & Tod Johnson

Rough Fire. Contributions from

relative humidity. Most of the smoke Converse Basin, near Cedar Grove, and

fire today. Smoke will be slow to lift and sport winds are expected primarily from both hills northwest of the fire. Residual

ing produced. Unhealthy to Hazardous

acts expected in the Owens Valley.

tomorrow
 Outlook
 3-Hour AQI and
 Worst Time of Day Impacts
 Period

Smoke Impact Summary # 11 – King Fire, September 26, 2014

Prepared by T.Johnson, (NPS) and Charles Sams (USFS)

Key Points for Consideration:

1. Last night drainage flows transported smoke overnight into the local nearby communities in the lower mountains and foothills. This diurnal dispersion flow or "bath tub slosh effect" will be a repetitive pattern while heavy interior fuels continue to burn. Yesterday's rainfall of 0.5 to 0.8 inches assisted crews with mop up and overall fire control, regardless, wildfire smoke will still persist for some time.

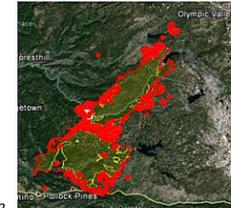


Figure1
 Reviewing MODIS & infra-red flight information very little intense heat was indicated, but was noted on the W and E sides of fire perimeter.

The red dots represent isolated heat which is reflective of large down smoldering fuels. Suppression efforts were aided by yesterday's rainfall however, mop up will be very labor intensive to secure fireline and reduce smoke production which is now dominated by smoldering combustion versus flaming combustion.

- 2.
3. This morning's weather is dominated by clear sky, high humidity and cool temperatures. This afternoon, cloud cover, rainfall and potential thunderstorms and highs in the 50's will continue to aid firefighters to meet suppression objectives and prevent fire spread. There is no expectation of fire growth outside of perimeter lines today, as fire behavior is dominated by smoldering combustion. **These weather conditions are expected through the weekend.**
4. Yesterday's fire growth was minimal and was interior to control lines. Total acreage burned to date is 97,099 with 68% containment.
5. The Blue-Sky dispersion model runs estimates 2000 acres of interior smoldering combustion.
6. Light amounts of smoke were detected in fire camp this morning as a result of down drainage overnight smoke transport. The trend for fewer smoke impacts to firefighters in camp continues in a positive direction.

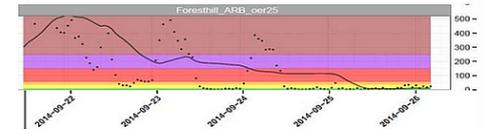


Figure 1 Blue-Sky Smoke model projection for September 26th @ 2:01pm. Yesterday's rains greatly abated fire spread and the production of smoke. Overnight, smoke remained in the drainages, slowly exiting, and moving to the E in the afternoon.

Sacramento Metropolitan AQMD
 San Diego APCD

CARPA Member Agencies



California Wildfire Smoke Response Coordination Document

- Guide for smoke response coordination in California
- Compilation of CA best practices and approaches.
- Describes agencies duties and roles.
- Concise: only 10 pages of content (includes examples, templates and contact information)
- Lists recommended health actions.
- <https://www.arb.ca.gov/carpa/cawildfiresmokeresponsecoordinationaug14.pdf>



Working Draft

Wildfire Smoke Response Coordination –
Best Practices Being Implemented by Agencies in California



August 2014

Data sharing and coordination

- Daily intelligence briefing (email & phone)
 - InciWEB, CALFIRE, USFS, Media, Twitter, PFIRS, firetracker.scpr.org
- 1300hrs Smoke Call
 - 12hr to 96hr outlook (regional reports, weather forecasts)
- 1400hrs Monitoring Call (decisions made)
 - Everyone on same call (affected districts, ARA, ARB)
 - Districts needs
 - Coordinate activities (12hr to 96hr)
 - ARA reports/needs
 - Weekend and Resource Staffing (Thurs)
- Weekly Cal/EPA Call (Tuesday @0900)

Emergency Response Portal

CARPA Webpage

2nd International Smoke Symposium

When: November 14, 2016 to November 17, 2016
Where: Long Beach, Ca

The International Smoke Symposium brings together researchers from the atmospheric sciences, the ecological sciences, mathematicians, computer sciences, climatologists, social scientists, health professionals, smoke responders and other groups to discuss the complex issues of wildland fire smoke. The symposium will assist in the identification of knowledge gaps and provide opportunities for innovation and development.

More information regarding the 2nd International Smoke Symposium can be found at this [link](#).

Emergency Response Tools

California Wildfire Smoke Response Coordination

Heat and Air Quality Information

Air Pollution Control District Information

Password:

Current, Continuous, and Upcoming Training Opportunities

Cal OES Training Opportunities

The Public Health Foundation's TRAIN

Historical Archives

IASC/CARPA 2014 Workshop PowerPoint Presentations

IASC/CARPA 2015 Workshop PowerPoint Presentations, Web Links, and Videos

Password: carpa1

Contact Lists

- Air Response Coordination Contact List
- CalOES Emergency Service Coordinator

Air Monitoring Calls

- CARPA 1400 Call Number & Agenda

Request Forms

- OER Mission Request Procedure

Smoke Blog Info

- Guidelines
- How to Post on the Smoke Blog

Web Links

Incident Information

Inciweb (California) <http://inciweb.nwcg.gov/state/5/>

CalFire http://cdfdata.fire.ca.gov/incidents/incidents_current

Data Displays

Bluesky smoke plume model runs <http://viewer.smoke.airfire.org/>

AirNOW wildfire monitoring page http://airnow.gov/index.cfm?action=topics.smoke_wildfires

AirFire monitoring <http://smoke.airfire.org/monitoring/#/>

AirFire monitoring report <http://smoke.airfire.org/monitoringReport/#/>

Messaging

California Smoke Blog <http://californiasmokeinfo.blogspot.com/>

California Smoke Blog Twitter <https://twitter.com/CASmokeBlog>

Air Emergency Response Planning

CARPA website <http://www.arb.ca.gov/carpa/carpa.htm>

For More Information



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