

California Air Response Planning Alliance



Coordinating Air Emergency Response in California

John Kennedy, US EPA

RTOC - May 3, 2012

California Air Response Planning Alliance (CARPA)

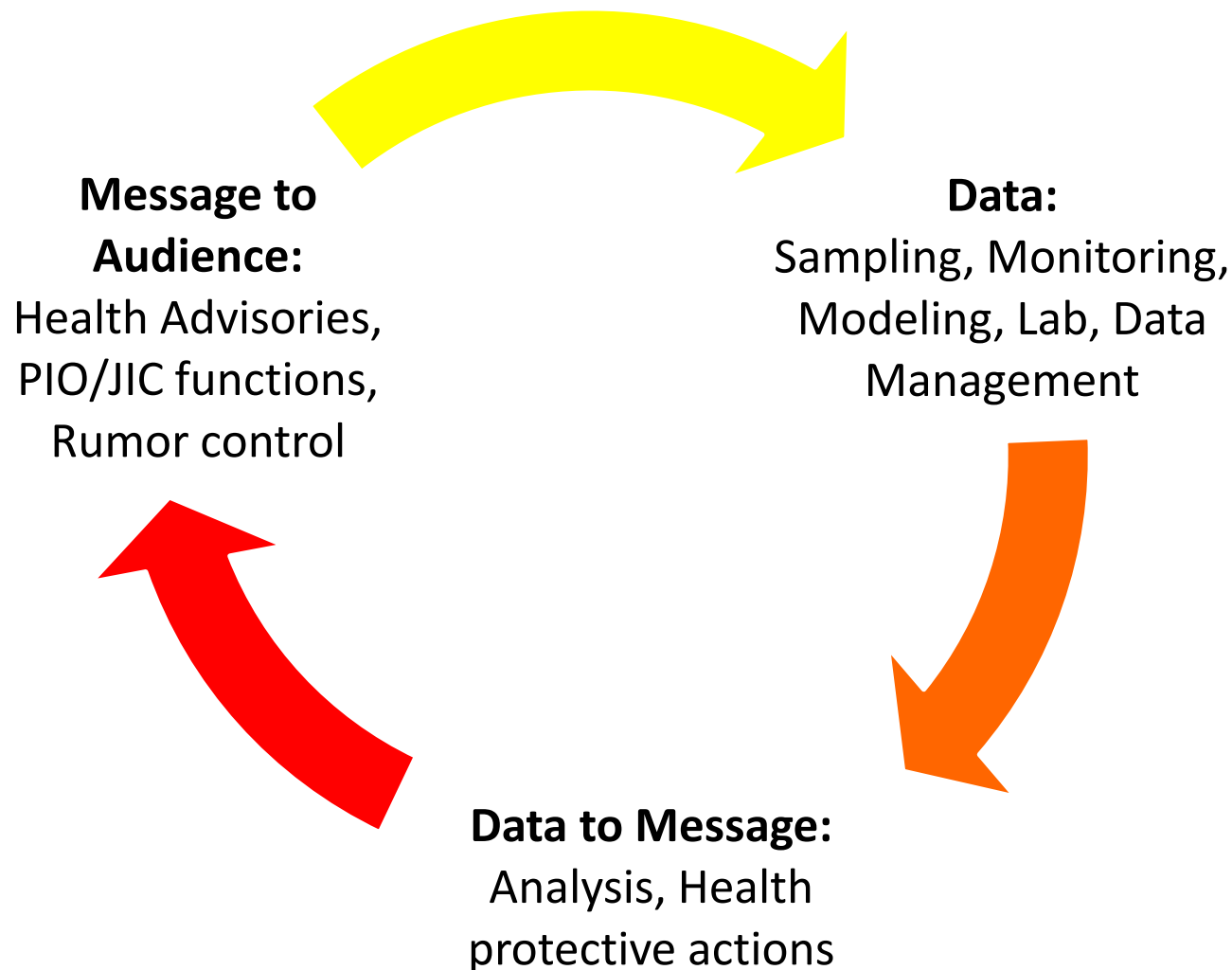
- ▶ Ad hoc organization focused on coordinating response to major air releases and other emergencies with air quality impacts
- ▶ Concept emerged after the 2003 SoCal wildfires when incident command, air quality, and public health agencies were not well coordinated
- ▶ CARPA initially formed in 2006; formalized by charter in 2008

Mission

Providing federal, state, tribal & local agencies with tools and information to assist in collecting, interpreting, and disseminating actionable response information to protect from the **downwind** impacts of wild fires or accidental or deliberate releases of hazardous substances.



CARPA Model



Structure

Steering Committee

Subcommittees

Data Subcommittee - analytical aspects of airborne releases including emergency air monitoring, sampling, modeling, meteorology, and data management.

Data to Message Subcommittee - developing, standardizing, and applying public health guidance for making rapid decisions about health and safety.

Message to Audience Subcommittee - training and tools for messaging and emergency communication during an airborne release.

Member Agencies



BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT



California Environmental Protection Agency
AIR RESOURCES BOARD



Functions

- ▶ Technical support & subject matter experts
- ▶ Best practices for air release response
- ▶ Effective communication, outreach, and public messaging strategies
- ▶ Not an operation entity (although each member agency can activate under its own authorities)

CARPA Website and ToolKit



The screenshot shows the California Air Resources Board (ARB) website with the CARPA (California Air Response Planning Alliance) section. The left sidebar contains a list of links, with 'Tool Kit' highlighted by an orange circle. The main content area features the CARPA logo, a search bar, and sections for 'EMERGENCY CONTACTS', 'Current Emergencies', and 'Current Information'.

CA.GOV California Environmental Protection Agency
Air Resources Board

Home | Reducing Air Pollution | Air Quality | Business Assistance | Laws & Regulations | Health

Monday, April 30, 2012

UP LINKS

- ARB Homepage
 - Outreach Programs
 - California Air Response Planning Alliance (CARPA)

PROGRAM LINKS

- Background and Mission
 - Charter
- Fire Information Page
- Newsletter
- Steering Committee (login required)
- Subcommittees
- Tool Kit**
 - Data
 - Data to Message
 - Message to Audience
 - Emergency Response
- Trainings / Meetings

RESOURCES

- Contact Us
- Join the CARPA Email List
- RSS / Newsfeed

EMERGENCY CONTACTS

In the event of a major air release or for assistance with emergency air monitoring, contact:

CA State Warning Center	(800) 852-7550
US EPA Region 9 Duty Officer	(800) 300-2193
CDC/ATSDR 24-Hour Emergency Response Center	(770) 488-7100

Current Emergencies

For information on current emergencies, visit:

- California Emergency Management Agency
- CalFire Current Incidents page
- Federal Interagency Smoke Management Site
- Interagency Incident Information System, Inciweb

Current Information

Save the Date for the 6th CRHMRO Hazardous Materials Transportation Conference, April 17-19, 2012 at the Craneway Pavilion in Richmond, CA.

Topics will include: Environmental impact from transportation incidents; Pipeline safety and security; Propane emergency response, and Incident Command for hazmat emergencies. More information can be found at www.crhmro.org.

www.arb.ca.gov/carpa

Training Summits



Two-day
Cross Discipline
Cross Agency
Lessons Learned
Hands-on training and exercises

Next Summit: May 2013

Multi-Agency Coordination

- ▶ Monitoring objectives (Differs by agency and jurisdiction)
- ▶ Sharing resources (district, state, federal, tribal)
- ▶ Jurisdictional Limitations





To Help Answer the Big Questions

How long will we be evacuated

Is it safe to go home

What's in the smoke

Can we re-open the school

How can I protect my family



Actionable Data

CARPA Monitoring & Sampling Plan

Operational Period		California Environmental Protection Agency Air Resources Board Office of Emergency Response	Prepared by:
Date/Time	to Date/Time		Approved by:

Air Emergency Response Sampling Plan

Incident: ☐ State Responsibility Area
☐ Federal Responsibility Area

Counties/District Affected:

CalEMA Mission Task No. Description

ICP/EOC Location(s):

Situation Summary ☐ CalEMA ☐ FEMA ☐ Other

Suggested PPE ☐ Site specific health & safety plan attached

Field Staff Deployed			
Name	Contact info	Agency	Assignment

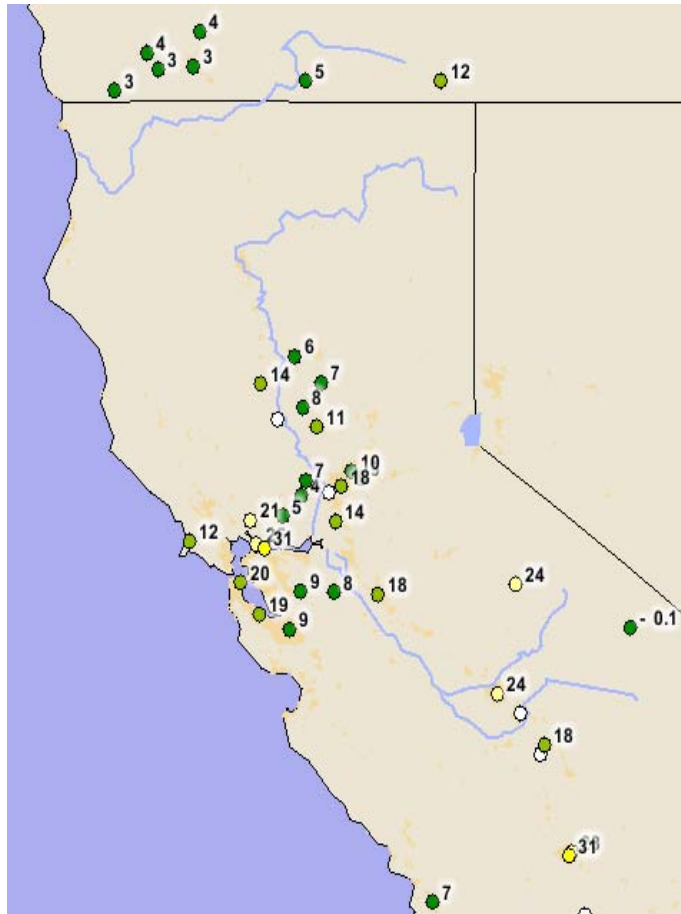
Continued back page

Responding Agencies		
Representative	Agency	Contact information

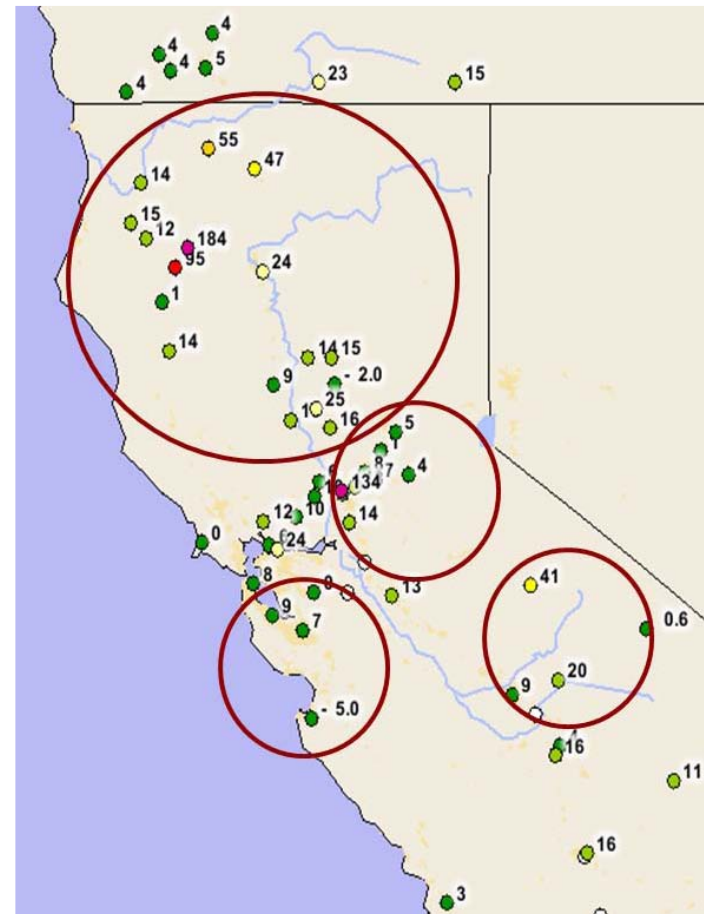
Area of impact and any Specific Targets of Concern:
Contaminant(s) and Health Action Levels:
Weather forecast (12-24 hrs):
General Sampling Objectives
<input type="checkbox"/> Gather reference sampling data within area of concern to for historical/background pollutant levels <input type="checkbox"/> Establish real-time sampling within affected population center to determine contamination levels <input type="checkbox"/> Establish monitoring in evacuation area for pending re-entry <input type="checkbox"/> Establish air sampling to determine contaminant gradients or boundaries <input type="checkbox"/> Conduct personal air sampling of on-site ERT personnel <input type="checkbox"/> Site-specific sampling for targeted location (i.e., evacuation center, hospital, fire camp, etc) <input type="checkbox"/> Complaint investigation; Location: <input type="text"/> <input type="checkbox"/> Other objective: <input type="text"/>

Deployed Field Sampling Equipment	
Reference (network sites): Particulate Matter <input type="checkbox"/> BAM 10 <input type="checkbox"/> BAM 2.5 <input type="checkbox"/> Gravimetric Filter: <input type="checkbox"/> PM10 <input type="checkbox"/> PM2.5 Meteorology <input type="checkbox"/> station met Toxics <input type="checkbox"/> VOC canisters (910) <input type="checkbox"/> Metals filters (924)	Portable (day-week): Particulate Matter <input type="checkbox"/> EBAM 2.5 <input type="checkbox"/> EBAM 10 Meteorology <input type="checkbox"/> WEATHERPAK <input type="checkbox"/> iMet Toxics <input type="checkbox"/> VOC canisters (910) <input type="checkbox"/> Metals filters (BG1) <input type="checkbox"/> Asbestos (HighVol/Minivol)
Mobile (hour-day): Particulate Matter <input type="checkbox"/> MicroDust Toxics <input type="checkbox"/> areaRAE (PID) <input type="checkbox"/> Canister (critical orifice)	Survey/Confirmation (min-hour): Toxics <input type="checkbox"/> Miran (field IR) <input type="checkbox"/> ppbRAE (PID) <input type="checkbox"/> Colorimetric tubes <input type="checkbox"/> Sorbent tubes <input type="checkbox"/> Canister (grab sample) <input type="checkbox"/> areaRAE (PID)

Lightning Strike Fires - 2008



June 2008



Late July

**ROCK CREEK- BETWEEN SOMES BAR AND DILLON CREEK
MIDWAY BETWEEN UKONOM AND SISKIYOU COMPLEXES**

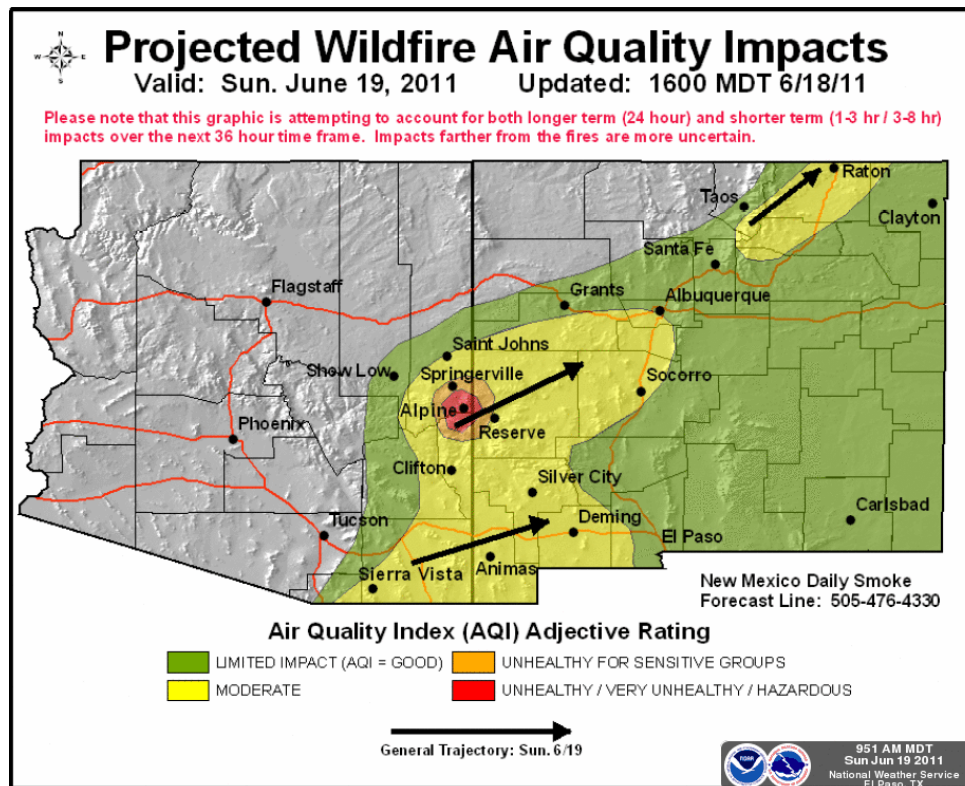


July 21, 2008



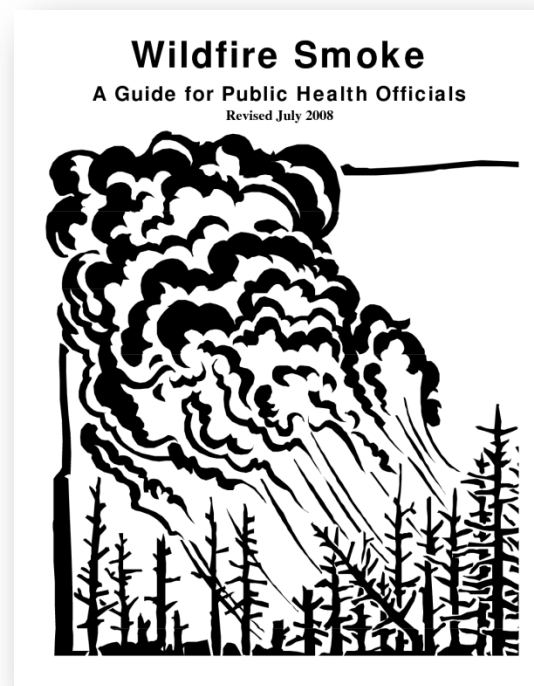
Coordinated Data Sharing

- AirNow.gov
- Inciweb.org
- Satguard.com
- Others...



Coordinated Messaging

- ▶ Interpretation of Data
- ▶ Using the Wildfire Smoke Guide as basis for decision making
- ▶ Consistent messages for impacted communities
- ▶ Local Authorities
 - Issuing public health advisories
 - Public health actions
 - masks
 - canceling public events



Contact Us

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www.arb.ca.gov/carpa