

AB 617Community Air Monitoring Plan Overview of 14 Elements

Monitoring and Laboratory Division
California Air Resources Board

Community Air Protection Program



Program Elements



Path to a Community Emissions Reduction Plan (CERP)



CERP

CERP

Camino hacia un plan comunitario de reducción de emisiones (CERP)

Shared Understanding Entendimiento compartido

Community Selection (Feb 2022) / Selección de la comunidad (febrero de 2022)

> **Convene Community Steering** Committee / Convocar al Comité Directivo de la Comunidad

> > Air Quality 101 / Calidad del aire 101

1 year or more 1 año o mas

Select Strategies Seleccionar estrategias

Data Prioritize Issues Datos Priorizar problemas

Cómo trabajamos juntos **Process / Path** Proceso / Ruta

How We Work Together

Criteria for Community Air Monitoring

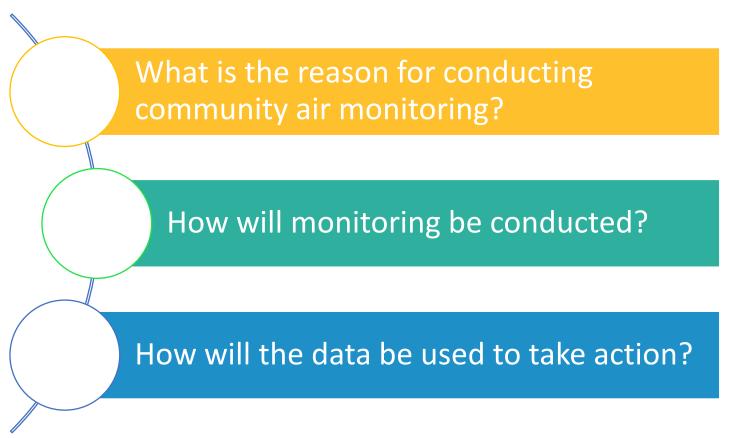


14 Elements

for developing community air monitoring plans

APPENDIX E. STATEWIDE AIR MONITORING PLAN TABLE OF CONTENTS			
II.	COMMUNITY AIR MONITORING PLAN ELEMENTS AND REQUIRED CRITERIA	FJ	
	What is the Reason for Conducting Community Air Monitoring?		
	Form Community Partnerships		
	State the Community-Specific Purpose for Air Monitoring	E-	
	Identify Scope of Actions	E-1	
	Define Air Monitoring Objectives	E-1	
	Establish Roles and Responsibilities	E-1	
	How will Monitoring be Conducted?	E-1	
	Define Data Quality Objectives	E-1	
	Select Monitoring Methods and Equipment	E-1	
	Determine Monitoring Areas	E-1	
	Develop Quality Control Procedures	E-1	
	Describe Data Management	E-1	
	Provide Work Plan for Conducting Field Measurements	E-1	
	How will Data be Used to Take Action?		
	Specify Process for Evaluating Effectiveness		
	Analyze and Interpret Data		
	Communicate Results to Support Action	E-1	
III.	CHECKLIST FOR COMMUNITY AIR MONITORING EVALUATION	E-1	
IV.	COMMUNITY AIR MONITORING DATA PORTAL	E-2	
V.	RESOURCES FOR COMMUNITY AIR MONITORING	E-2	

https://ww2.arb.ca.gov/resources/documents/final-draft-blueprint-appendix-e



14 Air Monitoring Planning Elements



What is the reason for conducting air monitoring?

- Form community partnerships
- State the community-specific purpose
- Identify scope of actions
- Define air monitoring objectives
- Establish roles and responsibilities

How will monitoring be conducted?

- Define data quality objectives
- Select monitoring methods and equipment
- Determine monitoring areas
- Develop quality control procedures
- Describe data management
- Provide work plan for conducting field measurements

How will data be used to take action?

- Specify process for evaluating effectiveness
- Analyze and interpret data
- Communicate results to support action



Actionable Air Monitoring Data



Datos procesables de monitoreo del aire



Inform personal choices, e.g. when to exercise / Informar las elecciones personales, por ejemplo, cuándo hacer ejercicio



Evaluate source impacts / Evaluar los impactos de la fuente



Track the impact of strategies to reduce emissions / Seguimiento del impacto de las estrategias para reducir las emisiones



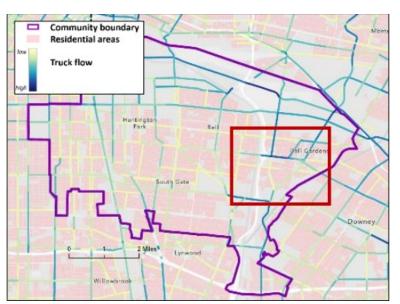
Support enforcement activities, new rules and regulations / Apoyar las actividades de aplicación de ley, nuevas realas y reaulaciones

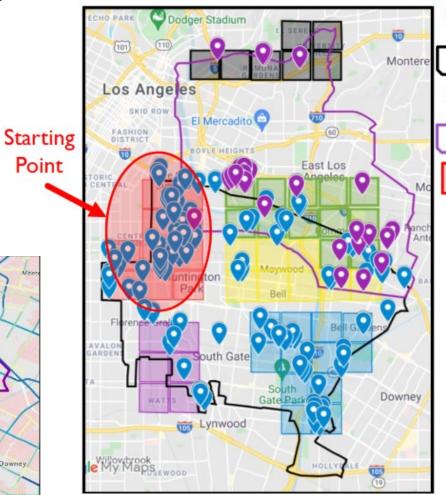
CAMP Example – Southeast LA



Community-specific purpose

 Mobile monitoring of metal facilities and high truck flow areas





SELA Metal Facilities

SELA Boundary

•

ELA Metal Facilities

ELA Boundary

Identified Clusters

This mobile platform can measure air toxic metals such as arsenic, lead, nickel, etc.

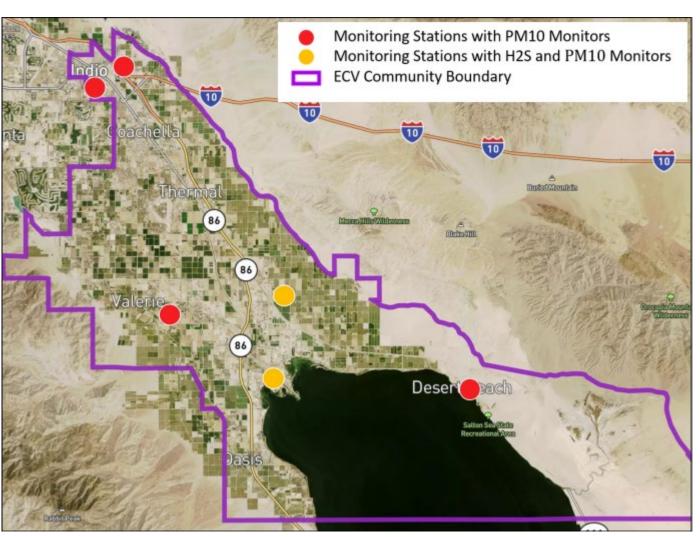


CAMP Example – Eastern Coachella Valley



- Define air monitoring objectives
- Stationary monitoring

- Community concerns
 - Dust from Salton Sea
 - Pesticides from farming operations

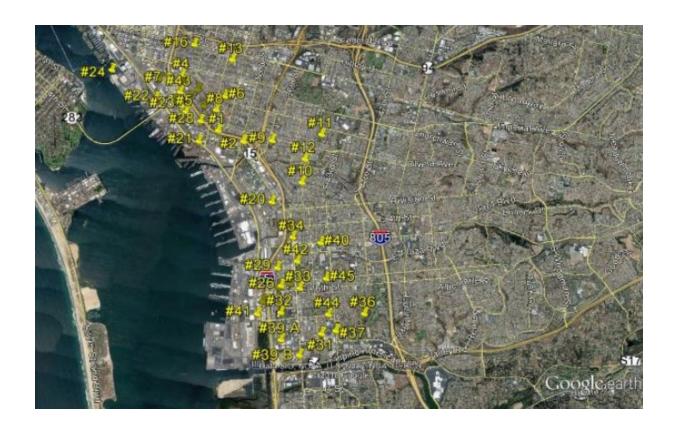


CAMP Example – Portside



Determine monitoring areas

 Prioritized 14 sites from 40+ identified sites by steering committee



How to Use the 14 Elements



 The 14 elements are guidelines to help create actionable data from community monitoring

Elements are not prescriptive

- Each community and plan are unique
 - Each group, agency, or individual is responsible to implement a monitoring plan that best benefits the community and community air quality goals

MONITORING PLAN ELEMENT 1: FORM COMMUNITY PARTNERSHIPS CRITERIA		
Identifies community steering committee members and their affiliation.		
Documents community steering committee meeting information: Date of first meeting. Date, time, number of attendees for all meetings that have been held. Frequency of future meetings and expected attendees.		
Details level of community involvement in planning and resources made available to accommodate community's desired level of involvement throughout implementation.		
Provides link to air district webpage dedicated to community air monitoring and documents what will be posted on this webpage.		
Identifies dedicated contact person to address questions on the community-specific air monitoring plan.		
MONITORING PLAN ELEMENT 2: STATE THE COMMUNITY-SPECIFIC PURPOSE FOR AIR MONITO CRITERIA		
Identifies the community-specific air monitoring need(s).	√	
Provides background information on how the need was discovered.		
Documents relevant information from previous, ongoing, and proposed air monitoring and identifies gaps that this community air monitoring will address.		
Explores alternative approaches to investigating and addressing the air quality monitoring need(s).		
MONITORING PLAN ELEMENT 3: IDENTIFY SCOPE OF ACTIONS		
CRITERIA	✓	
Defines action(s) that air monitoring aims to support.		

Online Resource Center



 Federal Reference or Equivalent Method (FRM/FEM)
 Fence-line Monitoring
 Mobile Monitoring
 Remote Sensing (inc. Satellite)

Air ToxicsFRM/FEMMobile Monitoring

Air Toxics
 Fence-line Monitoring

FRM/FEM

FRM/FEM

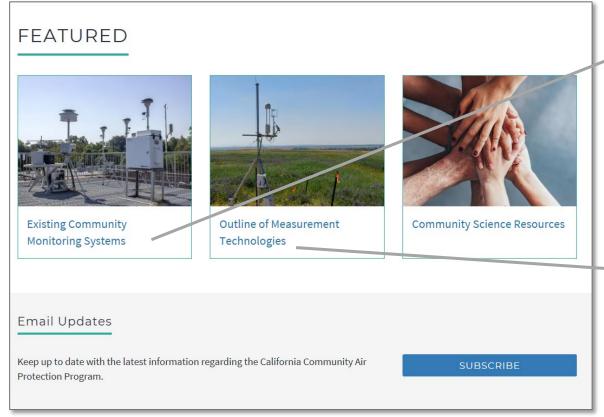
Fence-line Monitoring
 Mobile Monitoring

Sensors/Sensor Networks

Remote Sensing

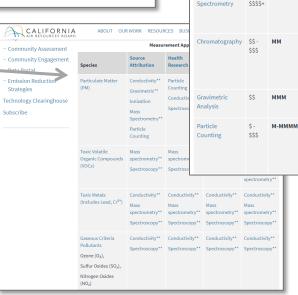
Remote Sensing

Mobile Monitoring
 Remote Sensing



https://ww2.arb.ca.gov/capp-resource-center/community-air-monitoring





Mass

Links to CAMP Examples



- Eastern Coachella Valley
 - https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/ecv/ecv-camp 11-13-2020 draft.pdf?sfvrsn=4
- Portside
 - https://www.sdapcd.org/content/dam/sdapcd/documents/capp/AB-617-Elements-Required-Criteria-San-Diego-June-2019.pdf
- Southeast LA
 - https://www.aqmd.gov/docs/default-source/ab-617-ab-134/camps/sela/sela-camp 10-28-2020 draft.pdf?sfvrsn=4
- Statewide Air Monitoring Plan Checklist (See Appendix E)
 - https://ww2.arb.ca.gov/sites/default/files/2018-08/final draft community air protection blueprint august 2018 appendix e.pdf