



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

ENVIRONMENTAL JUSTICE ADVISORY GROUP

Advisory Group Members

Dr. Joseph Lyou, Chair	Dr. Jill Johnston
Rhetta Alexander	Maria Elena Kennedy
Manuel Arredondo	Evelyn Knight
Dr. Lawrence Beeson	Angelo Logan
Suzanne Bilodeau	David McNeill
Paul Choe	Daniel Morales
Kerry Doi	Woodie Rucker Hughes
Dr. Afif El-Hasan	Donald Smith
Mary Figueroa	Rafael Yanez
Myron Hale	
Dr. Monique Hernandez	

**April 20, 2018 ♦ 12:00 p.m. ♦ Conference Room GB
21865 Copley Drive, Diamond Bar, CA 91765-4182**

Call-in for listening purposes only is available by dialing:
Toll Free: 1-888-450-5996 Listen Only Passcode: 5186941
In addition, a webcast is available for viewing and listening at:
<http://www.aqmd.gov/home/library/webcasts>

AGENDA

CALL TO ORDER

ACTION ITEMS (Items 1 through 3):

1. Call to Order/Opening Remarks
(No Motion Required) Dr. Joseph Lyou
Chair
2. Approval of January 26, 2018 Meeting Minutes
(Motion Required)
[Attachment 1] Dr. Joseph Lyou

3. Review of Follow-Up/Action Items
(No Motion Required)
Staff will review the follow-up/action items identified in the previous meeting.

Fabian Wesson
Assistant Deputy Executive Officer
Legislative, Public Affairs & Media
SCAQMD

DISCUSSION ITEMS (Items 4 through 5):

4. SCAQMD Website Tutorial
(No Motion Required)
[Attachment 2]
Staff will provide a tutorial on how to navigate through the redesigned SCAQMD website, with an emphasis on using the website as a tool to address air quality issues in environmental justice communities.

Mark Henninger
Technology Implementation Manager
Information Management
SCAQMD

5. Update on the Multiple Air Toxics Exposure Study V (MATES V)
(No Motion Required)
[Attachment 3]
Staff will provide an update on the Multiple Air Toxics Exposure Study V (MATES V), which is a monitoring, modeling and evaluation study that characterizes air toxics cancer risk in the South Coast Air Basin. For MATES V, SCAQMD staff began collecting data from fixed monitoring sites in January 2018 and has begun working on several advanced monitoring projects, which will be implemented within the next few months.

Jo Kay Ghosh
Health Effects Officer
Planning, Rule Development & Area Sources

OTHER MATTERS:

6. Other Business
Any member of this body, or its staff, on his or her own initiative or in response to questions posed by the public, may ask a question for clarification, may make a brief announcement or report on his or her own activities, provide a reference to staff regarding factual information, request staff to report back at a subsequent meeting concerning any matter, or may take action to direct staff to place a matter of business on a future agenda. (Govt. Code Section 54954.2)

7. **Public Comment Period**

Members of the public may address this body concerning any agenda item before or during consideration of that item (Govt. Code Section 54954.3(a)). All agendas for regular meetings are posted at District Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of a regular meeting. This item is also an opportunity for the public to speak on any subject within Environmental Justice Advisory Group's authority. Speakers may be limited to three (3) minutes each.

8 **Next Meeting Date - Friday, July 27, 2018 at 12:00 PM**

ADJOURNMENT

Document Availability

All documents (i) constituting non-exempt public records, (ii) relating to an item on an agenda for a regular meeting, and (iii) having been distributed to at least a majority of the Committee after the agenda is posted, are available prior to the meeting for public review at the South Coast Air Quality Management District, Public Information Center, 21865 Copley Drive, Diamond Bar, CA 91765.

Americans with Disabilities Act

The agenda and documents in the agenda packet will be made available, upon request, in appropriate alternative formats to assist persons with a disability (Gov't Code Section 54954.2(a)). Disability-related accommodations will also be made available to allow participation in the Environmental Justice Advisory Group meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please contact Brandee Keith at (909) 396-3952 from 7:00 a.m. to 5:30 p.m., Tuesday through Friday, or send the request to bkeith@aqmd.gov.

Agenda Item #2
Approval of January 26, 2018 Meeting Minutes
[Attachment 1 – Meeting Minutes]



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ENVIRONMENTAL JUSTICE ADVISORY GROUP FRIDAY, JANUARY 26, 2018 MEETING MINUTES

MEMBERS PRESENT:

Dr. Joseph Lyou, SCAQMD Governing Board, EJAG Chairman
Dr. Afif El-Hasan, American Lung Association
Evelyn Knight, Long Beach Economic Development Commission
Dr. Larry Beeson, Loma Linda University, School of Public Health
Rhetta Alexander, Valley Interfaith Council
Daniel Morales, National Alliance for Human Rights
Kerry Doi, Pacific Asian Consortium in Employment
Dr. Monique Hernandez, California State University, Los Angeles
Woodie Rucker-Hughes, NAACP - Riverside Branch
Mary Figueroa, Riverside Community College
Donald Smith, 136th Street Block Club

MEMBERS ABSENT:

Manuel Arredondo, Coachella Valley School District, Retiree
Suzanne Bilodeau, Knott's Berry Farm
Rafael Yanez, Member of the Public
Dr. Jill Johnston, University of Southern California
Micah Ali, Compton Unified School District
Paul Choe, Korean Drycleaners & Laundry Association
Myron Hale, SLMQM
Maria Elena Kennedy, Quail Valley Task Force
Angelo Logan, Occidental College & East Yard Communities for Environmental Justice

OTHERS PRESENT:

David McNeill, BHC
Cody Rosenfield, Coalition for Clean Air

SCAQMD STAFF:

Dr. Phillip Fine, Deputy Executive Officer, Administration
Fabian R. Wesson, Assistant Deputy Executive Officer/Public Advisor
Nancy Feldman, Principal Deputy District Counsel, Legal
Daniela Arellano, Senior Public Information Specialist
Brandee Keith, Secretary

Agenda Item #1: Call to Order/Opening Remarks

Governing Board Member Dr. Joseph Lyou called the meeting to order at 12:00 PM and welcomed everyone to the meeting. Dr. Lyou gave a brief summary preview of the meeting's key agenda items including discussion of AB 617, refinery issues related to hydrofluoric acid, RECLAIM sunset, and efforts to implement the Air Quality Management Plan.

Prior to continuing, Dr. Lyou led a brief round of introductions of members of the EJAG and SCAQMD staff present.

Agenda Item #2: Approval of October 27, 2017 Meeting Minutes

The minutes for the October 27, 2017 meeting were approved with no objections.

Agenda Item #3: Review of Follow-Up/Action Items

Ms. Fabian Wesson reviewed the follow up and action items from the April 28th meeting.

Action Item: Ms. Mary Figueroa asked if it were possible for undocumented individuals to be acknowledged when defining EJ Communities.

- Staff concluded this would not be possible due to the difficulty in identifying and reviewing data pertaining to undocumented individuals, whose undocumented status by nature excludes participation in most record-keeping or data-gathering.

Action Item: Dr. Jill Johnston asked if staff could address cases in which air monitoring data had been requested but results were difficult to access. She suggested the partnership help environmental justice communities access data more readily. Dr. Lyou indicated that certain data regarding monitoring in Paramount had been made available to the public, but recognized this might not be the case across all monitoring efforts. Dr. Johnston requested monitoring data related to an oil-drilling site in Los Angeles.

- Staff followed up with Dr. Johnston, who indicated she wanted more information about the AllenCo Oil Drilling Site in Los Angeles near USC, which a few years ago prompted hundreds of complaints due to its emissions. Staff obtained monitoring data indicating levels of styrene showed a downward trend from 2014-2017. Annual levels of BTEX have been consistently below the MATES average, but the annual average of styrene remained above the MATES IV average from 2014-2016, but in 2017 dropped below the MATES IV average. Dr. Johnston was also referred to Jason Low for more information, and encouraged to submit a public records request as well.
- Dr. Lyou shared news that SCAQMD had begun work with contractors doing very "cutting-edge" work in air monitoring at oil wells, refineries, and other facilities. Studies have been completed and findings have been made available on the SCAQMD website.

Action Item: Mr. Kerry Doi expressed a request for SCAQMD to provide outreach materials and expand outreach efforts in a broader selection of languages.

- Staff followed up with Mr. Doi for his recommendation, and he suggested further outreach in Chinese, Korean, Cambodian, and Vietnamese. He noted that while spoken Chinese divides into two distinct dialects, written Chinese will help reach speakers of either dialect as well as a third dialect which is spoken among some of

the most affected communities. Mr. Doi's recommends that materials in Chinese will help SCAQMD reach approximately 80% of the Asian-American population in the LA Area (Mr. Doi spoke up to clarify that the 80% figure applied to those in the communities who do not speak English, rather than the Asian-American population as a whole). With Mr. Doi's recommendations as well as previous and ongoing efforts by staff, SCAQMD will continue to evaluate and pursue outreach efforts and materials in a wider array of languages.

Action Item: Fabian Wesson discussed the goals and objectives for 2018. Dr. Larry Beeson requested clarification as to whether those goals and objectives had been listed in a particular order or with any indication of priority. Dr. Lyou requested that staff clarify the items do not appear in any particular order. Dr. Beeson and Dr. Johnston requested that AB 617 be added to the list of goals and objectives, as well as include a note to specify that items do not appear in any particular order.

- Staff has updated the document showing the goals and objectives as requested.

Action Item: Mr. Daniel Morales reported that Assemblymember Elias Reyes Gomez convened a meeting on air quality in San Bernardino. The meeting was attended by universities and other local groups, including Dr. Philip Fine from SCAQMD. Mr. Morales further reported on a meeting held by Dr. Louis Gonzales of South Colton, regarding dust issues caused by a local cement plant. Mr. Morales requested that SCAQMD investigate the facility, and that staff attend Dr. Gonzales' next meeting on January 13th.

- Staff followed up with Victor Yip, from the Enforcement and Compliance department of SCAQMD, who reported there have been no new updates on the facility, and SCAQMD has not received new dust complaints from the community.

Agenda Item #4: Presentation on AB617 and the Community Identification Process

Dr. Phillip Fine delivered a presentation on the effects and implementation of AB 617.

- a. David McNeill inquired as to whether there would be penalties for failing to meet deadlines specified in the bill. Dr. Fine and Dr. Lyou agreed there was a significant potential for fines.
- b. Dr. Monique Hernandez inquired as to the ways in which communities would be identified, asking if it would involve factors such as census tracts or municipal boundaries, and whether or not the criteria had already been determined. Dr. Fine responded that the determining criteria had not yet been decided, and noted several data sets which might be relevant. Staff has been working on ways to determine eligible communities, including proximity to sources or environmental hazards, and going into the communities themselves to survey the needs of individual areas.
- c. Mary Figueroa expressed concern that many members of affected communities may not be aware of the environmental problems in their areas, or that the outreach materials and presentations may not be as easily understood by the

average layman. She noted that education and awareness to these communities must be a priority. Dr. Lyou acknowledged the priority of having informed communities. He also acknowledged “bad land use decisions”, but that AB 617 focused on the issues of cumulative environmental impacts and ongoing situations.

- d. Professor Lawrence Beeson asked whether there was a central listing of available technologies, and who has final say as to the definition of “best” (as in “best possible technologies”). Dr. Fine replied that there was no complete index, but that the legislation requires one to be compiled. As to the definition of “best available control technologies”, Dr. Fine explained that the process to define “best” is left to the boards, who may take different matters into consideration when assessing what is best for their needs and communities.
- e. David McNeill asked how one would nominate a community to become involved in the program. Dr. Fine responded that the process was currently being determined and the state would release white papers in the near future. Mr. McNeill also voiced his support of education and awareness to be taken to consideration. Dr. Lyou mentioned Karen Pagliano as the head of the decision-making process at the state level.
- f. Mr. Doi pointed out a large number of angry residents attending the refinery meeting held on 1/20, concerned about hydrofluoric acid on their communities. He asked about the accuracy of SCAQMD’s monitors and whether they monitored for Hydrofluoric Acid. Dr. Fine explained that HF is not typically monitored except in the case of a specific incidence, but that in the aftermath of the HF concerns in local residents, more monitors had been implemented to detect HF. Additionally, rule-making had recently been passed to require further fenceline monitoring in the future.
- g. Mr. Doi next asked about the use of Cal EnviroScreen program and whether it scanned for compounds more appropriate to rural areas. He suggested the use of EPA Screen instead which might detect more appropriate compounds to local areas. Dr. Fine explained that the EJ Screen program used by SCAQMD differs from Cal EnviroScreen in being a relative, “extra-impact” model that analyzes information differently. He confirmed the plans in using any of the screening tools would be to utilize them on an “in-district” basis, focusing on data and information pertinent to the communities within SCAQMD’s jurisdiction and area of interest, and that information could be drawn from multiple tools to establish more accurate analysis.
- h. Daniel Morales asked for a rough idea of a timeline regarding the nomination criteria for program participants. Dr. Fine explained that the first criteria would start to become available in coming months, with a deadline of October. Mr. Morales asked for clarification on whether CARB was expected to compile a database of agencies by January 1st, 2017, which Dr. Fine acknowledged may have been a mistake. Mr. Morales additionally asked about action plans for implementation of the program. Dr. Fine explained that once monitoring and analysis went into effect, detailed action plans would be developed based on the needs of the individual communities.

- i. Evelyn Knight asked whether or not the terms “community” and “area” referred to the same locations. Dr. Fine acknowledged that for the purposes of today’s discussion the terms would indicate the same locations, because as of the meeting date the criteria for defining areas or communities had not been determined.
- j. Ms. Knight additionally asked about marijuana smoke and whether or not it would be addressed by the same legislation or considered a source which SCAQMD might be able to regulate. Dr. Fine replied that the subject of marijuana smoke and SCAQMD’s regulatory authority on the matter still needed clarification, but that the matter was in the process of being determined.
- k. Rhetta Alexander asked how improvements would be measured. Dr. Fine replied that CARB would define measurable goals and impact assessments, but that metrics of improvement could be measured in several ways, to be determined by the individual plans.
- l. Ms. Woodie Rucker-Hughes asked if SCAQMD had “best practices” defined in terms of needs assessment, education, and outreach to communities. Dr. Fine described the plan as a community effort including local governments, businesses, community groups, education groups, etc. Dr. Lyou described past efforts and the results which had been achieved before. Dr. Fine also mentioned the implementation of some pilot programs which appeared to be successful.
- m. Mr. McNeill asked what sort of grants would be available in conjunction with the program. Dr. Fine pointed out many grant funds were earmarked for current programs, but that further rounds of funding could lead to adjustment of goals and funds, to aid upcoming projects and organizations. A current SCAQMD Request for Proposals makes certain district monies available to address issues such as stationary source projects, and success with this and similar projects could lead to more such funding in the future. Dr. Lyou added a note that the funding bill made certain monetary awards available for local and community-based organizations as well.
- n. Mr. Donald Smith described a situation in his area in regards to street sweeping in his area sending particulates into the air and asked if there had been any assessment of the components of asphalt and air quality effects of street sweeping. Dr. Fine pointed out that street sweeping operations were already under scrutiny by SCAQMD. Dr. Lyou added there might be new avenues of data analysis available with current monitoring technologies.
- o. Monique Hernandez asked if SCAMD were involved in data exchange with agencies such as the California Environmental Public Health Tracking Network. Dr. Fine confirmed that SCAQMD has shared enforcement and violation information with other agencies as pertinent to their areas and jurisdictions. Dr. Lyou also pointed out the information is also available via public record request.
- p. Ms. Daniela Arellano asked if the money stated in the presentation already accounted for the \$100M granted in funding to SCAQMD, and Dr. Fine confirmed it did.
- q. Dr. Lyou opened the floor to public comment on the matter. None were shared. Dr. Lyou stated the subject of AB 617 would continue to be revisited in the future.

****The meeting adjourned for a 15-minute break****

Agenda Item #5: EJAG Accomplishments of 2017 (Wesson)

Fabian opened the floor to questions regarding the accomplishments of 2017. Members were provided with a 2-page document outlining those accomplishments.

- Marc Carrel was remembered for his service to the EJAG group before leaving SCAQMD to take the Executive Officer position at BreatheLA.
- Fabian introduced Brandee Keith, who is taking over responsibilities as secretary for EJAG and EJCP projects.

Agenda Item #6: Member Updates

Citing the importance of understanding the significant events and developments within our communities, Dr. Lyou asked Ms. Evelyn Knight to share a recent article regarding the community in Alabama where she'd been raised, called Africatown, established by emancipated slaves, and the discovery of the slave ship which had originally brought them from Africa.

Agenda Item #7: Other Business

None offered

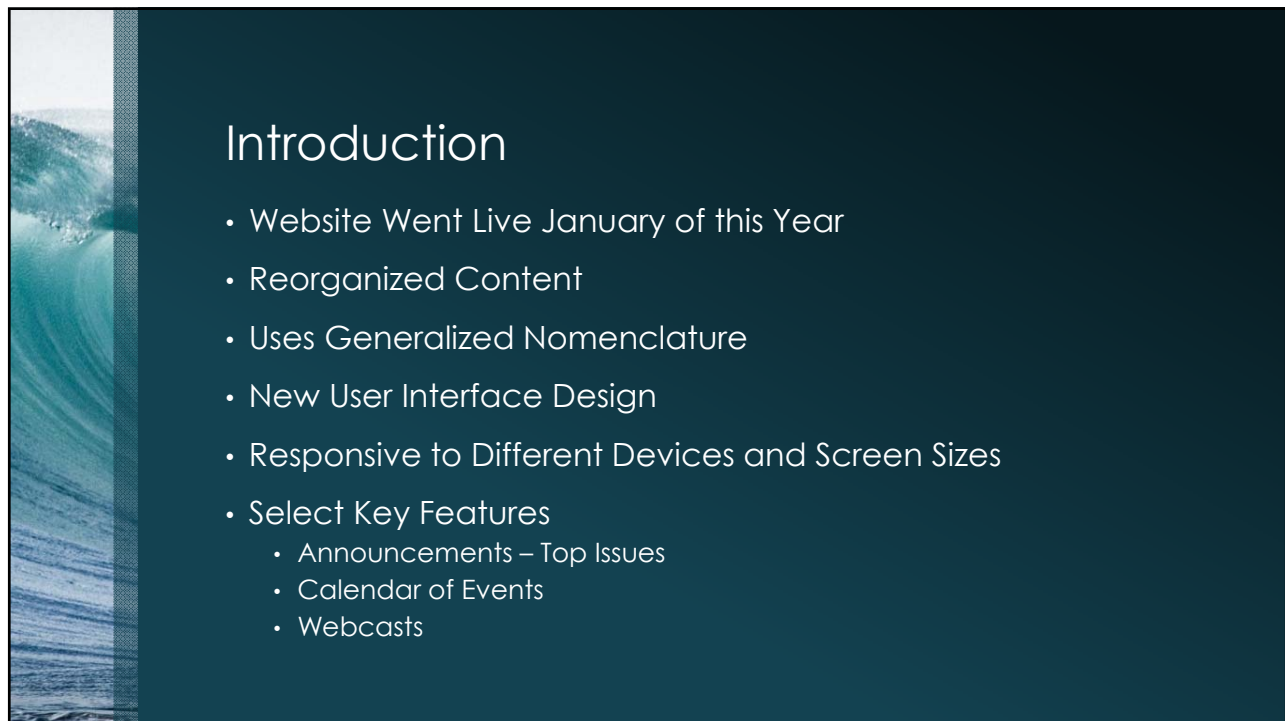
Agenda Item #8: Public Comment

None offered

Agenda Item #9: Next Meeting was set for Friday, April 20th, 2018

Dr. Lyou adjourned the meeting at 2:00 pm

Agenda Item #4
SCAQMD Website Tutorial
[Attachment 2 – PowerPoint Presentation]





Tutorial Outline

- Home Page Walk Through
- Demonstration of Relevant Tools and Content
 - FIND
 - Other Tools
 - Public Notices
 - Public Information
 - Online Services
 - I'm Looking For
 - News Agendas & Webcasts



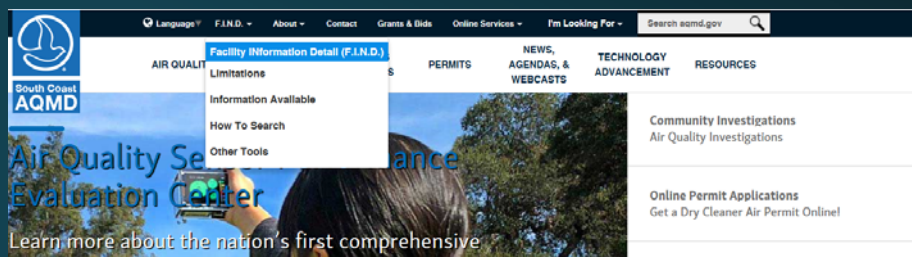
Demo

Homepage Walk Through

- Horizontal Navigation Menus (Primary, Secondary and Search)
- Announcements
- Alerts
- Latest News
- Videos, Upcoming Events, and Twitter
- Current Air Quality Map
- Incentives & Programs
- Newsletter Sign-Up

Tools and Content

- FIND
- FIND → Other Tools
 - NOV/NC Inquiry
 - Public Inquiry System for Emission Inventory Data
 - Public Document Search



Tools and Content

- About → Initiatives
 - Environmental Justice
- About → Public Notices
 - Public Hearings
 - Public Workshops
 - Rule Notifications
 - Permitting Public Notices
 - CEQA Notices
 - Townhall/Community Meetings
 - AB2588 Public Notification



Tools and Content

- Online Service
 - Public Information
 - Complaints
 - Public Records



Tools and Content

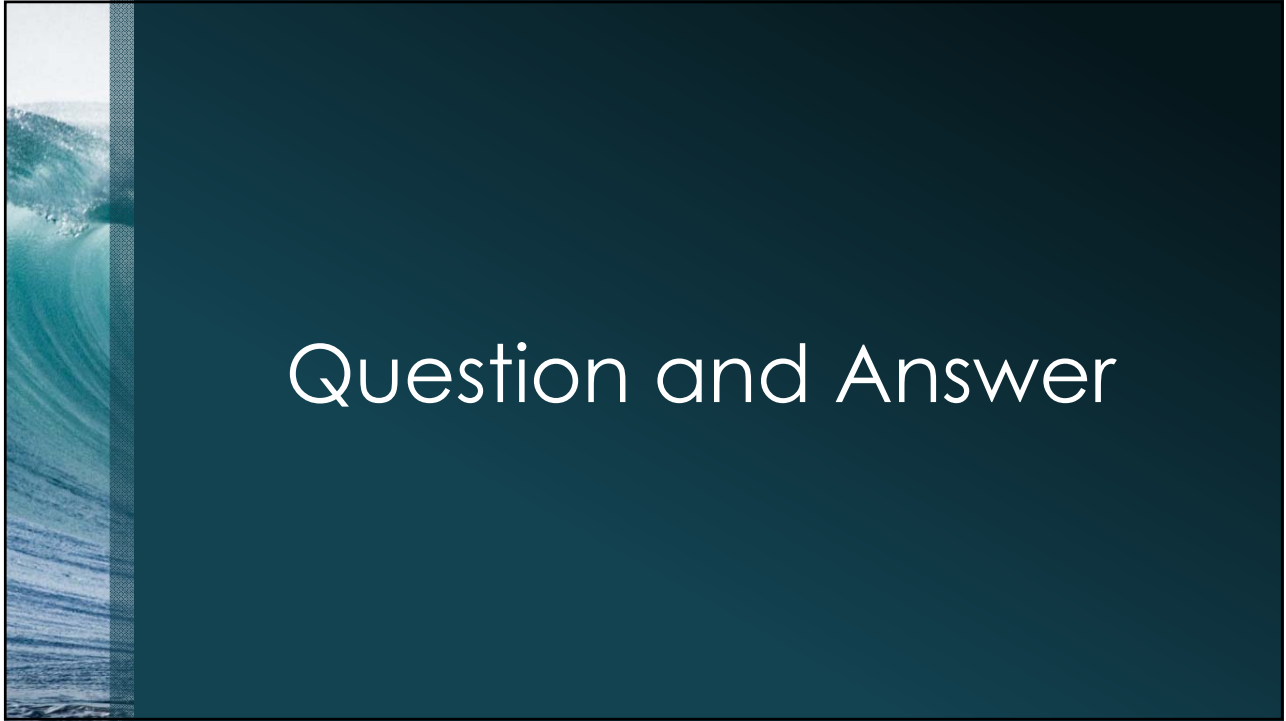
- I'm Looking For
 - Community Air Quality Investigations

The screenshot shows the South Coast AQMD website. The top navigation bar includes links for Language, F.I.N.D., About, Contact, Grants & Bids, Online Services, and I'm Looking For. A search bar is located to the right of the navigation bar. The main content area features a large banner for 'Get a Dry Cleaner Air Permit Online!' with a 'Learn more' button. A dropdown menu is open under 'I'm Looking For', listing various services such as Online Fee Payments, Check Before You Burn - Residential No-Burn Alerts, Community Air Quality Investigations (highlighted), Electric Lawn Mower Rebates, Annual Emission Reporting, Air Quality Investigations, Online Permit Applications (Get a Dry Cleaner Air Permit Online!), Reducing air pollution in EJ communities (AB 617 & AB 134), and AO-SPEC (Air Quality Sensor Performance Evaluation Center).

Tools and Content

- News Agendas & Webcasts
 - Meeting Agendas & Minutes
 - Webcasts
 - Calendar
 - Community Investigations
 - Public Information

The screenshot shows the South Coast AQMD website with the 'News, Agendas, & Webcasts' dropdown menu open. The menu lists: Current News, Meeting Agendas & Minutes, Webcast, Calendar, Community Investigations, and Public Information. The background content is partially visible, showing the 'Get a Dry Cleaner Air Permit Online!' banner and the 'Online Permit Applications' link.



Agenda Item #5
Update on the Multiple Air Toxics Exposure Study V (MATES V)
[Attachment 3 – PowerPoint Presentation]

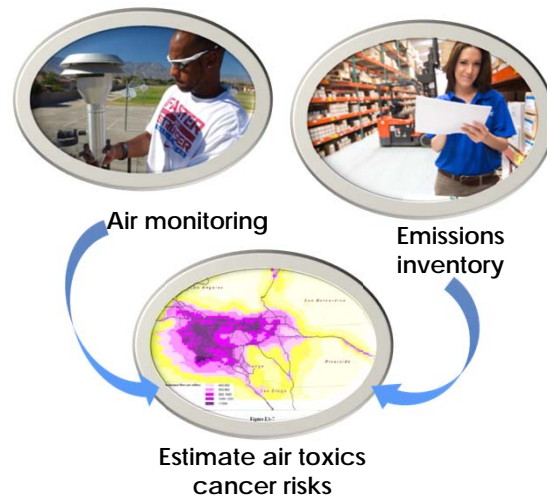
THE MULTIPLE AIR TOXICS EXPOSURE STUDY V (MATES V)

Dr. Jo Kay Ghosh
 Health Effects Officer,
 Planning, Rule Development & Area Sources
 Environmental Justice Advisory Group Meeting
 April 20, 2018

MATES PROGRAM OVERVIEW

PURPOSE: To evaluate regional air toxics health risks in the South Coast Air Basin

- Governing Board Environmental Justice Initiative
- Carcinogenic risk from exposure to air toxics
- Cumulative impacts approach



PREVIOUS MATES STUDIES

MATES I

- 1986-1987

MATES II

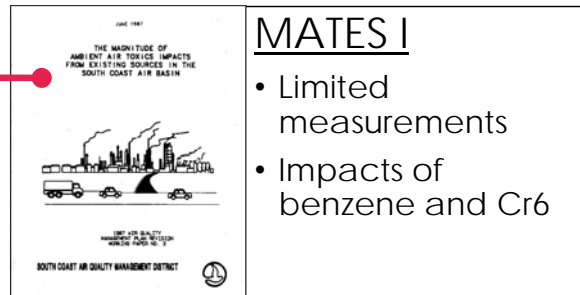
- 1998-1999

MATES III

- 2004-2006

MATES IV

- 2012-2013



PREVIOUS MATES STUDIES

MATES I

- 1986-1987

MATES II

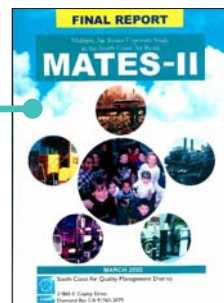
- 1998-1999

MATES III

- 2004-2006

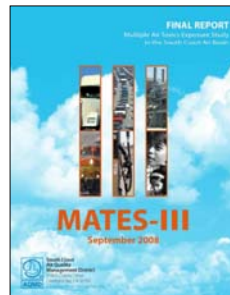
MATES IV

- 2012-2013



PREVIOUS MATES STUDIES

MATES I	MATES II	MATES III	MATES IV
• 1986-1987	• 1998-1999	• 2004-2006	• 2012-2013



MATES III

- Continuing downward trends, other than Diesel PM
- Higher Diesel PM risk near ports
- Enhanced Diesel PM quantification methods
- Cr6 traced to cement plant emissions

PREVIOUS MATES STUDIES

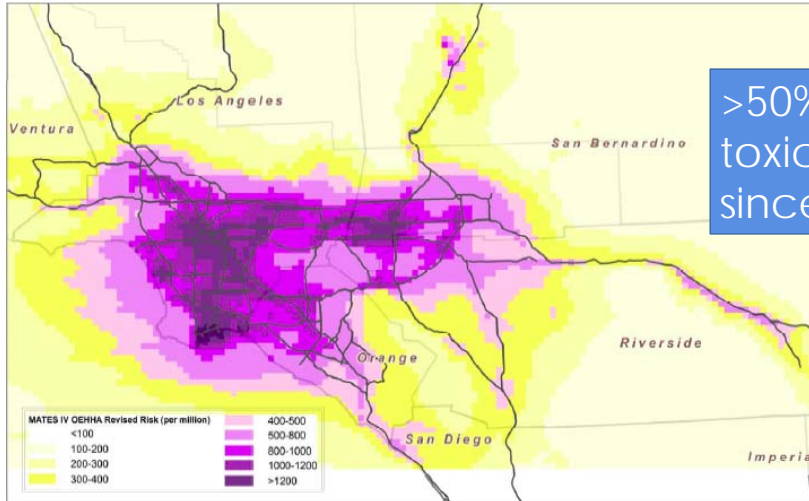
MATES I	MATES II	MATES III	MATES IV
• 1986-1987	• 1998-1999	• 2004-2006	• 2012-2013



MATES IV

- >50% decrease in cancer risk from air toxics since MATES III
- Diesel emissions declined by 70% since MATES III
- Diesel PM accounted for 2/3 of air toxics cancer risk
- Continuous UFP and black carbon measurements
- Implemented 2015 OEHA risk assessment guidelines

MATES IV AIR TOXICS CANCER RISK MAP



>50% decrease in air toxics cancer risk since MATES III

Figure ES-7
MATES IV Modeled Air Toxics Risks Estimates Using Updated OEHHA Methodology

MATES V IMPLEMENTATION

- Fixed station monitoring:
 - 10 stations
 - Continuous UFP and Black Carbon measurements
 - Began January 2018
- Emissions inventory update
- Regional modeling
- Risk characterization
- Advanced monitoring projects



HOW ARE MATES RESULTS USED?

- Evaluate progress in reducing regional air toxics exposure
- Focus SCAQMD efforts for toxic risk reduction
- Helps to interpret monitoring data from other special toxics investigations
- Provides information that can be used in an Environmental Justice definition
- Address public inquiries regarding air toxics impacts

ADVANCED MONITORING PROGRAM IN MATES V

MATES V

- Fixed site monitoring (10 sites)
- Emissions inventory
- Health risk modeling

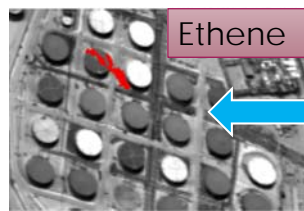
Advanced Monitoring Program

- Flight-based measurements
- Mobile laboratory
- Optical tent
- Sensor networks and community engagement

FLIGHT-BASED AIR TOXICS MEASUREMENT AEROSPACE CORPORATION



- Survey large areas, including refinery areas
- Detect plumes & emissions
- Focus ground-based efforts



MOBILE AIR TOXICS LABORATORY FLUXSENSE, INC.



- Survey major refineries and other petroleum facilities

- Fenceline and community mobile monitoring
- Identify sources and community levels



OPTICAL TENT (FACILITY-BASED AIR TOXICS MONITORING)

UCLA

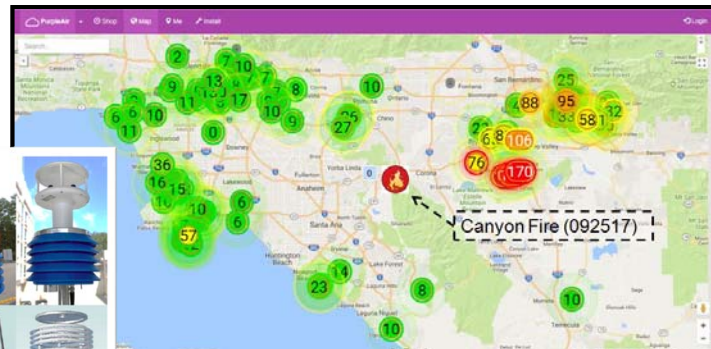


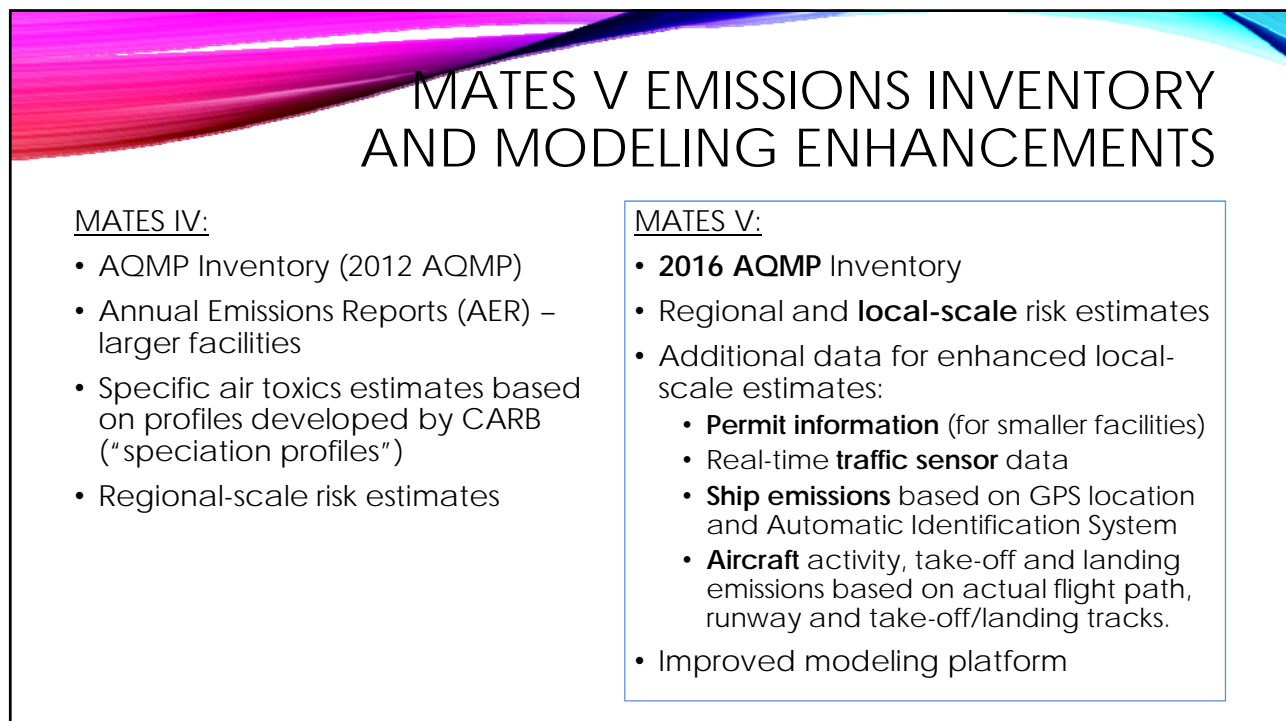
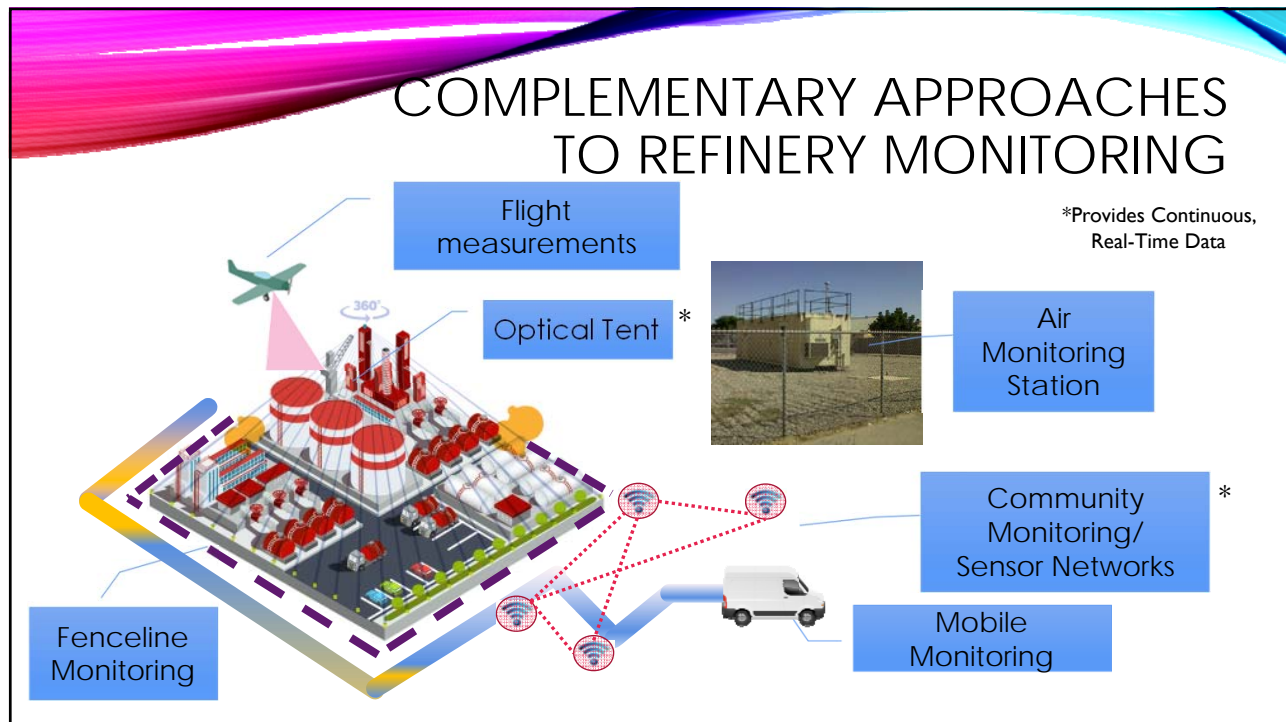
- Continuous facility monitoring
- Real-time leak detection
- Quantify long-term emissions

SENSOR NETWORKS & COMMUNITY ENGAGEMENT

QSENSE AND SCAQMD

- Detailed local data
 - PM: 2 communities
 - VOCs: 1 near-refinery community
- Community engagement
 - Air quality & sensor training
 - Needs assessment
 - Inform air quality improvement projects





MATES V MONITORING NEXT STEPS

- **Fixed Site Monitoring:** All 10 sites implemented (Jan 2018-April 2018)
- **Advanced Monitoring:**
 - **Aerospace** Flight-Based Data and Measurements
 - Agreed on scope of work (SOW), contracting in progress
 - **Fluxsense** Mobile Laboratory
 - Purchasing equipment
 - Use existing Fluxsense van to begin measurements starting July 1, 2018
 - **UCLA Optical Tent**
 - Contracting in progress
 - Continued outreach to seek refinery partner
 - **Qsense** (including VOC sensors) – Carson and Wilmington
 - Contracting in progress
 - Work with community partners to implement
 - **PM sensors (with BC measurements)** – Mira Loma and West Long Beach
 - Contracting in progress
 - Work with community partners to implement

Meeting Dates



**South Coast Air Quality Management District
Environmental Justice Advisory Group**

2018 Meeting Dates

Date	Time	Location
Friday, January 26, 2018	12:00 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>
Friday, April 20, 2018	12:00 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>
Friday, July 27, 2018	12:00 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>
Friday, October 26, 2018	12:00 PM	South Coast AQMD Headquarters 21865 Copley Drive, Diamond Bar, CA 91765 <u>Room: GB</u>

List of Acronyms



ENVIRONMENTAL JUSTICE ADVISORY GROUP

LIST OF ACRONYMS

AQIP = Air Quality Investment Program	NTTS = National Air Toxics Trends Stations
AVR = Average Vehicle Ridership	NESHAPS = National Emission Standards for Hazardous Air Pollutants
Cal/EPA = California Environmental Protection Agency	NGV = Natural Gas Vehicle
CARB = California Air Resources Board	NO_x = Oxides of Nitrogen
CEMS = Continuous Emissions Monitoring Systems	NSPS = New Source Performance Standards
CEQA = California Environmental Quality Act	NSR = New Source Review
CE-CERT = College of Engineering-Center for Environmental Research and Technology	PAMS = Photochemical Assessment Monitoring Stations
CNG = Compressed Natural Gas	PAR = Proposed Amended Rule
CO = Carbon Monoxide	PM₁₀ = Particulate Matter ≤ 10 microns
CTG = Control Techniques Guideline	PM_{2.5} = Particulate Matter ≤ 2.5 microns
DERA = Diesel Emissions Reduction Act	PR = Proposed Rule
EV = Electric Vehicle	RFP = Request for Proposals
FY = Fiscal Year	RFQ = Request for Quotations
GHG = Greenhouse Gas	SCAG = Southern California Association of Governments
HRA = Health Risk Assessment	SIP = State Implementation Plan
IAIC = Interagency AQMP Implementation Committee	SO_x = Oxides of Sulfur
IGA = Intergovernmental Affairs	SULEV = Super Ultra Low Emission Vehicle
LEV = Low Emission Vehicle	TCM = Transportation Control Measure
LNG = Liquefied Natural Gas	ULEV = Ultra Low Emission Vehicle
MATES = Multiple Air Toxics Exposure Study	U.S. EPA = United States Environmental Protection Agency
MOU = Memorandum of Understanding	VMT = Vehicle Miles Traveled
MSERCs = Mobile Source Emission Reduction Credits	VOC = Volatile Organic Compound
MSRC = Mobile Source (Air Pollution Reduction) Review Committee	ZEV = Zero Emission