

AB 617 COMMUNITY STEERING COMMITTEE

WILMINGTON, CARSON, WEST LONG BEACH
2023 QUARTERLY MEETING #1

FEBRUARY 9, 2023

2:00 – 4:00 PM

[ZOOM MEETING LINK](#)

Ryan Stromar

Senior Public Affairs Specialist



AGENDA



- CSC Member Updates
- Update on Parter Sterilization Services Facility
- Joint Electric Truck Scaling Initiative (JETSI)
- Carl Moyer and Commercial Lawn & Garden Update
- Community Emissions Reduction Plan (CERP) Implementation Update
 - Proposed Amended Rule 1178
 - CARB Regulation Update
- Community Air Monitoring Plan (CAMP) Implementation Update
- Agenda Items for Next Meeting
- Public Comment

AB 617
WCWLB

CSC Member
Updates





ETHYLENE OXIDE INVESTIGATION PARTER MEDICAL

February 9, 2023

Wilmington, Carson, West Long Beach

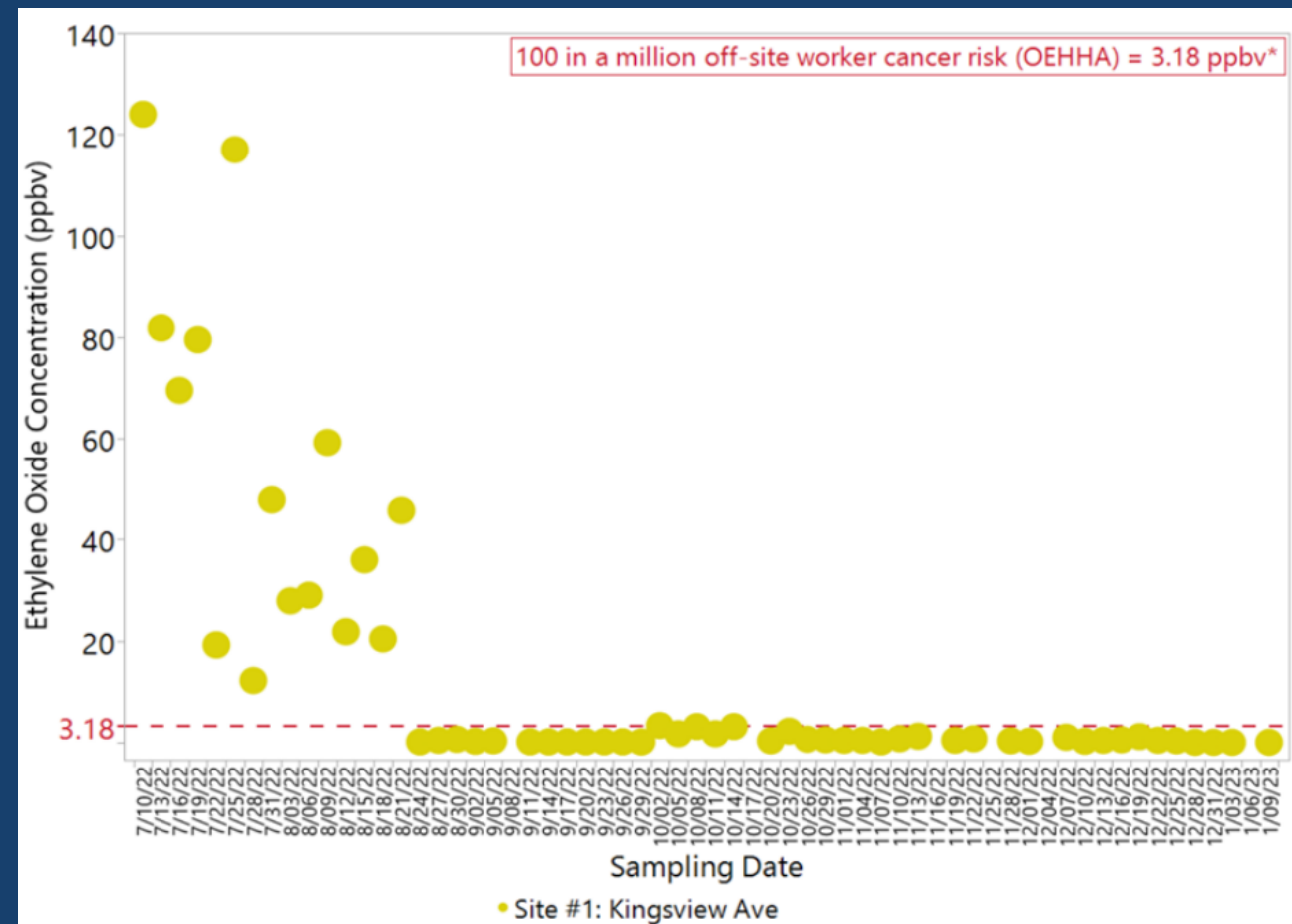
AB 617 Community Steering Committee

MONITORING RESULTS – SITE 1



- Initial elevated EtO levels near facility
- Ambient EtO levels near facility significantly reduced after additional control installed
- Recent readings within typical background levels for Los Angeles area

Ongoing Time-Integrated Sampling Efforts



*Cancer Risk based on 25-year exposure duration

EMISSION REDUCTIONS

- PERMANENT TOTAL ENCLOSURE
- ADDITIONAL CONTROL EQUIPMENT
- IMPROVED EXHAUST DESIGN

Site 1 Average		ppb*
Pre-Shutdown	(7/10-8/21)	52.7
Shutdown	(8/24- 9/29)	0.19
Commissioning	(10/2-12/21)	1.0
Recent	(12/22- 1/9)	0.12

* parts per billion

Sample Begin Time	Site #1 (Kingsview Ave.)	Site #2 (Bradenhall Dr.)	Site #3 (Hemingway Park)	Site #4 (Ambler Ave. School)
07/10/2022 12:00	124			
7/13/2022 12:00	81.8			
7/16/2022 12:00	69.5			
7/19/2022 12:01	79.5			
7/22/2022 12:01	19.2			
7/25/2022 12:01	117			
07/28/2022 12:01*	12.2	0.18		
7/31/2022 12:01	47.8	0.07		
8/3/2022 12:01	27.9	0.05	0.06	
8/6/2022 12:01	29	Invalid	0.06	
8/9/2022 12:01	59.2	0.1	0.07	
8/12/2022 12:01	21.8	0.15	0.09	
8/15/2022 12:01	36	0.11	0.07	
8/18/2022 12:01	20.4	0.08	0.06	
8/21/2022 12:01	45.7	0.07	0.1	

11/28/2022 12:01	0.3			
12/1/2022 12:01	0.2	0.05	0.05	0.05
12/4/2022 12:00	Invalid			
12/7/2022 12:00	1.0	0.12	0.06	0.09
12/10/2022 12:00	0.2			
12/13/2022 12:00	0.4	0.22	0.06	0.09
12/16/2022 12:01	0.5			
12/19/2022 12:01	1.1	0.16	0.09	0.11
12/22/2022 12:01	0.4			
12/25/2022 12:01	0.3	0.08	0.07	0.08
12/28/2022 12:01	ND			
12/31/2022 12:00	ND	0.07	0.03	No Sample
1/3/2023 12:00	ND			
1/6/2023 12:01	Invalid	0.07	0.05	0.07
1/9/2023 12:01	ND			



Carl Moyer Program and Commercial Lawn & Garden

SOUTH COAST AQMD

WALTER SHEN

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Carl Moyer Program

- ▶ Carl Moyer, FARMER and SOON Programs provide funding for cleaner-than-required heavy-duty engines/equipment
- ▶ 25th year of implementation supporting deployment of advanced, cleaner technologies and air quality goals



24 Years - Historic Summary



South Coast AQMD has successfully provided over \$570 Million Dollars in incentives through the Carl Moyer Program



Funded 8700 On- and Off-road Vehicles



Reduced a total of 10,100 tons/year of weighted NOx, ROG & PM emissions in the South Coast Air Basin

Funding Available

Other funding sources may be used:

- ▶ Unused Moyer funds from previous years, accrued interest
- ▶ Community Air Protection Program (CAPP) incentives, State Reserve and FARMER funds

Source	Tentative Allocations	Amount
CARB	Carl Moyer Project Funds	\$44,037,808
	FARMER Funds	\$1,413,500
South Coast AQMD	Required Local Match (AB 923)	\$7,046,049
	Total	\$52,497,357

Proposed FY 2022-23 Carl Moyer Project Categories

Project Category	Examples
On-Road	<ul style="list-style-type: none"> • Trucks (drayage and other) • Transit buses • Solid waste • Public agency/utility vehicles • Emergency vehicles (e.g., fire apparatus)
Off-Road	<ul style="list-style-type: none"> • Construction Equipment • Agricultural Equipment • Cargo Handling Equipment • Marine Engine Repower • Locomotive • Ship-Side Shore Power
Infrastructure	<ul style="list-style-type: none"> • Electric chargers • Alternative fueling stations for zero-emission and near zero-emission vehicles



Funding Overview

Project Category	Funding
On-Road	<ul style="list-style-type: none">• Up to \$410,000 for Zero-Emission Truck Replacement• Up to \$160,000 for Low NOx Truck Replacement
Off-Road	<ul style="list-style-type: none">• Up to 80% - Replacement• Up to 85% - Engine Repower
Infrastructure	<ul style="list-style-type: none">• Up to 50% for all projects• Up to 100% for Public School Buses (Battery Charging and Alternative Fuel)



Schedule

Event	Date
Application Period	January 10 to May 9, 2023
Awards Considered by our Board	Fall 2023

Apply Online Only at:
<https://gms.aqmd.gov>

Projects will be evaluated based on the 2017 Carl Moyer Program Guidelines (including any subsequent updates or changes) and other applicable funding requirements





Commercial Electric Lawn & Garden Exchange Program

Coming
March 2023

Program Information

- ▶ Replacement of gasoline- or diesel-powered commercial lawn and garden equipment with Electric zero-emission equipment
- ▶ Who is eligible?
 - ▶ Commercial gardeners and Landscapers
 - ▶ Local governments
 - ▶ School district, colleges and non-profits
- ▶ Must have operable gasoline or diesel-powered commercial lawn and garden equipment to scrap



Historical Funding- L&G Equipment Replaced



South Coast AQMD has successfully provided over \$4 million in incentives in the Commercial Electric Lawn & Garden Equipment Exchange Program



Funded over 7,300 electric zero-emission lawn and garden equipment



Reduced a total of 197 tons/year of emissions in the South Coast Air Basin

Eligible Equipment Types

- ▶ Backpack and Hand-held Leaf-Blowers
- ▶ Stand-on, Ride-On, Walk-behind Lawn Mowers
- ▶ Chainsaws
- ▶ Trimmers, Edgers, Brush-Cutters



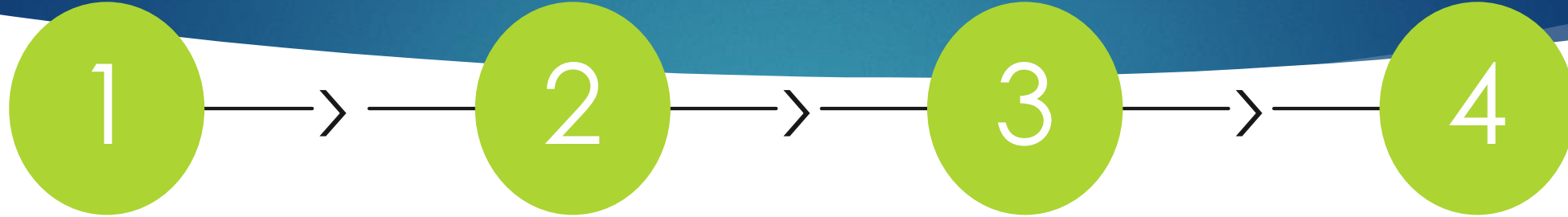
Incentive Amount

- Up to 85% Discount or Funding Cap (whichever is lesser)

Equipment	Funding Cap* (Up to)
Chainsaws/Trimmers/ Edgers/Brush-Cutters	\$700
Leaf Blowers/Vacuums	\$1,400
Walk Behind Mowers	\$1,500
Ride-On or Stand-On Mowers	\$15,000

**Purchase of two additional batteries included
(example: Funding for a Leaf Blower + 2 additional batteries
cannot exceed \$1,400)*

How It Works



1 Head to a Pre-Authorized Retailer

- Help Determine Eligibility
- Assist in Selecting Eligible Equipment

2 Retailer Helps Submit Application for Approval

- Additional participant information and documentation will be requested for the application

3 Receive Notice of Approval

4 Purchase Equipment at a Discount

- Bring Operable Gas or Diesel Equipment to Retailer
- Discount Applied at Point of Purchase

Opening March 2023

Check Online for List of Eligible Equipment and Pre-
Authorized Retailers:

<http://www.aqmd.gov/LawnGarden>

Workshop Topics	Location	Date & Time
Off-Road Agricultural Equipment/Engines Workshop	Coachella Mosquito & Vector Control District, Board Room 43420 Trader Place Indio, CA 92201	Tuesday, February 21, 2023 10 a.m. to 12 p.m.
On-Road Heavy-Duty Vehicles/Infrastructure/Off-Road Heavy-Duty Equipment Workshops	San Bernardino Valley College 701 S. Mount Vernon Avenue San Bernardino, CA 92410 (Room B*100)	Tuesday February 7, 2023 10 a.m. to 12 p.m.
	Riverside Convention Center 3637 5 th Street Riverside, CA 92501	Tuesday March 7, 2023 10 a.m. to 12 p.m.
	Wilmington Senior Center 1371 Eubank Avenue Wilmington, CA 90744	Tuesday March 21, 2023 5:30 p.m. to 7:30 p.m.
Carl Moyer Program General Workshops	Huntington Park 3401 E. Florence Ave Huntington Park, CA 90255	Tuesday March 28, 2023 10 a.m. to 12 p.m.
	South Coast AQMD Headquarters, Conference Room CC6 21865 Copley Drive Diamond Bar, CA 91765	Wednesday April 5, 2023 10 a.m. to 12 p.m.

Workshop Events



Rule Update

Proposed Amended Rule 1178:

Further Reductions of
Volatile Organic Compound
(VOC) Emissions from
Storage Tanks at
Petroleum Facilities

Actualización de la Regla

Regla Modificada
Propuesta 1178:
Reduccion Adicional de
Emisiones de Compuestos
Orgánicos Volátiles (COV) de
Tanques de Almacenaje en
Instalaciones Petroleras

Proposed Amended Rule 1178 (PAR 1178)

- PAR 1178 rule development initiated to address concerns identified in WCWLB CERP
 - Improve leak detection and repair (LDAR) programs at refineries
 - Incorporate new, advanced tools to further reduce emissions

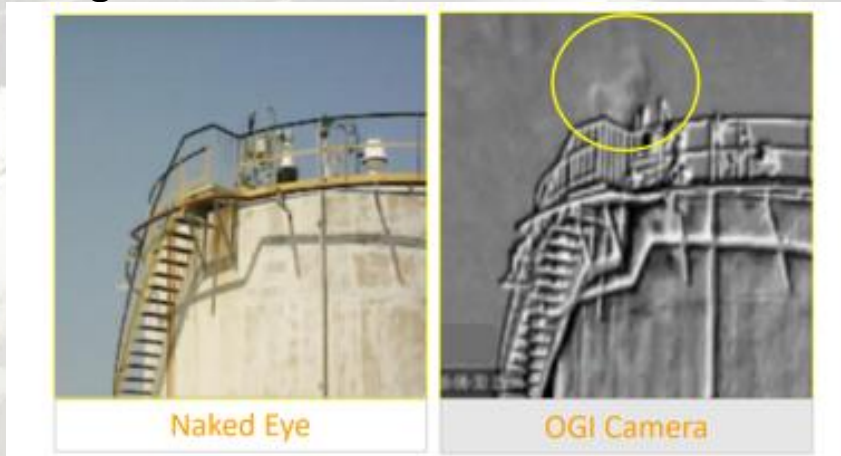


Regla Modificada Propuesta 1178 (PAR 1178)

- Desarrollo de regla PAR 1178 iniciado para abordar preocupaciones identificadas en WCWLB CERP
 - Mejorar la detección de fugas y programas de reparación en las refinerías
 - Incorporar herramientas nuevas y avanzadas para reducir aún más las emisiones

Proposed Rule Concepts: Improved Leak Detection

- PAR 1178 establishes new inspection and monitoring requirements
 - Weekly inspections with optical gas imaging devices
 - Optical gas imaging devices produce images of vapors not seen by naked eye
 - Can find large leaks from long distances and inaccessible areas



Conceptos de Reglas Propuestas: Detección de Fugas Mejorada

- PAR 1178 establece nuevos requisitos de inspección y seguimiento
 - Inspecciones semanales con dispositivos óptico de imágenes de gas
 - Dispositivos óptico de imágenes de gas produce imágenes de vapor no visto a simple vista
 - Puede encontrar grandes fugas a larga distancias y en áreas inaccesibles



Proposed Rule Concepts: Reporting and Repair Requirements

- Reporting of leaks and corrective measures taken within 120 hours of leak discovery
- Digital recordings of all leaks
- Multiple follow up inspections after repair
 - Repaired components inspected during next two consecutive inspections



Conceptos de Reglas Propuestas: Requisitos de Informes y Reparación

- Reporte de fugas y medidas correctivas tomadas dentro 120 horas de descubrimiento de fugas
- Grabaciones digitales de todas las fugas
- Seguimiento múltiple inspecciones despues después de la reparación
 - Componentes reparados inspeccionado durante las próximas dos inspecciones consecutiva



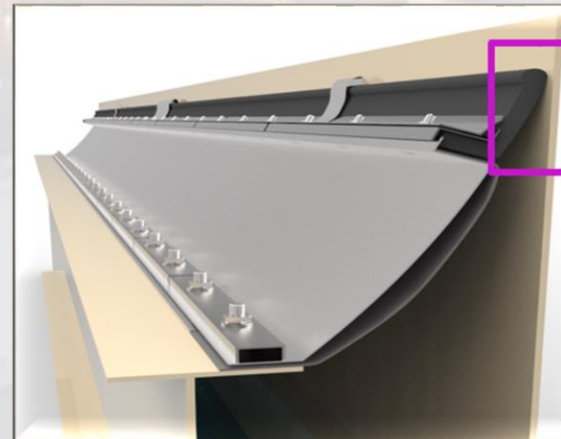
Proposed Rule Concepts: Leak Prevention and Controls

- PAR 1178 establishes more stringent control requirements
 - Increased vapor recovery efficiency from 95% up to 98%
 - More stringent seal gap requirements
 - Requiring secondary seals on all floating roof tanks



Conceptos de Reglas Propuestas: Prevención y Controles de Fugas

- PAR 1178 establece requisitos de control más estrictos
 - Mayor eficiencia de recuperación de vapor del 95% al 98%
 - Requisitos de espacio de sellado más estrictos
 - Requieren sellos secundarios en todo de los tanques de techo flotante



Proposed Rule Concepts Leak Prevention and Controls

- Requiring domes on all tanks storing material with true vapor pressure of 3 psia or greater
 - Requiring monthly testing for the true vapor pressure of the material



Conceptos de Reglas Propuestas: Prevención y Controles de Fugas

- Requiriendo cúpulas en todos los tanques que almacenar material con presión de vapor verdadera de 3 psia o más
 - Requieren pruebas mensuales de la presión de vapor verdadera del material



Emission Reductions

- Total emission reductions expected from the implementation of PAR 1178 is 0.76 tons of VOC per day
 - ~60% of reductions come from the implementation of optical gas imaging inspections
 - ~35% reductions come from doming

Reducciones de Emisiones

- Reducciones totales de emisiones suponer de la implementación de PAR 1178 es 0.76 toneladas de COV por día
 - ~60% de reducciones vendra de la implementación de inspecciones con dispositivos óptico de imágenes de gas
 - ~35 de reducciones vendra poniendo cúpulas

Rule Development Process and Next Steps

- Seven Working Group Meetings
- Next Steps
- Sign up at www.aqmd.gov/sign-up

Proceso de Desarrollo de Reglas y Próximos Pasos

- Siete reuniones del grupo trabajando
- Próximos pasos
- Suscríbese para recibir avisos a www.aqmd.gov/sign-up





2022 Amendments to the Commercial Harbor Craft Regulation

**2022 Enmiendas a la regulación de Embarcaciones Comerciales
Portuarias**

Commercial Harbor Craft Amendments

- The amendments include more vessel categories and introduce more stringent requirements
- Compliance deadlines beginning in 2023 require cleaner combustion “Tier 4 + DPF”
- Some advanced technology requirements: shore power at dock, full zero-emission short run ferries, zero-emission capability for new excursion vessels

Enmiendas de Embarcaciones de Servicio del Puerto

- Las enmiendas incluyen más categorías de embarcaciones y presentan requisitos más estrictos
- Los plazos de cumplimiento a partir de 2023 requieren una combustión más limpia "Nivel 4 + filtrador de partículas de diésel"
- Algunos requisitos de tecnología avanzada: energía en tierra en el muelle, transbordadores de corto recorrido con cero emisiones, capacidad de cero emisiones para nuevas embarcaciones de excursión

Commercial Harbor Craft

- Vessel owner/operator must perform opacity testing every other year (biennially) and report annually to CARB
- Facilities are required to report to CARB annually and maintain daily records of date, local time, position (e.g., slip number), etc. for each facility tenant
- Staff will provide a technology and implementation review to the Board biennially beginning in 2024

Embarcaciones de Servicio del Puerto

- El propietario/operador de una embarcación debe realizar pruebas de opacidad cada dos años e informarle anualmente a CARB
- Las facilidades deben de informarle a CARB anualmente y mantener registros diarios de fecha, la hora local, posición (por ejemplo, número de recibo), etc. para cada habitante de la facilidad.
- Los empleados de CARB administrarán una revisión de la tecnología y implementación a la Junta de Audiencias cada dos años a partir de 2024

Timeline

- The amendments were approved by the Office of Administrative Law on December 30, 2022, with an immediate effective date
- Some requirements (renewable diesel/ recordkeeping) are currently in effect
- We are working on implementation of the regulation, including providing materials to operators to help with compliance

Cronología

- Las enmiendas fueron aprobadas por la Oficina de Derecho Administrativo el 30 de diciembre de 2022, con una inmediata fecha efectiva
- Algunos requisitos (diésel renovable/mantenimiento de registros) están en efecto
- Estamos trabajando en la implementación de la regulación, incluyendo el suministro de materiales a los operadores para ayudar con el cumplimiento

WCWLB

- The amendments will reduce diesel particulate matter emissions from harbor craft by 89%, and reduce oxides of nitrogen emissions from harbor craft by 54%
- The amendments reduce the population-weighted cancer risk from greater than 10 to only 1 chance per million and eliminate cancer risk of greater than 100 chances per million in the south coast air district

WCWLB

(Wilmington/ Carson/ West Long Beach)

- Las enmiendas reducirán las emisiones de partículas diésel de las embarcaciones comerciales portuarias en un 89 % y reducirán las emisiones de óxidos de nitrógeno de las embarcaciones comerciales portuarias por 54 %
- Las enmiendas reducen el riesgo de cáncer en la población de más de 10 a solo 1 probabilidad por millón y eliminan el riesgo de cáncer de más de 100 probabilidades por millón en el distrito de aire de la costa sur

Contact Information

Información del Contacto

Melissa Houchin

Air Resources Engineer

Ingeniera de Recursos del Aire

Melissa.Houchin@arb.ca.gov

CARB CHC Factsheets:

<https://ww2.arb.ca.gov/our-work/programs/commercial-harbor-craft/commercial-harbor-craft-factsheets>

CARB Commercial Harbor Craft Website
(Slides and Recordings of Workshops):

*Sitio web de CARB de Embarcaciones Comerciales
Portuarias (Diapositivas y grabaciones de información):*

<https://www.arb.ca.gov/ports/marinevess/harborcraft.htm>

Harbor Craft Inbox

harborcraft@arb.ca.gov



COMMUNITY AIR MONITORING PLAN IMPLEMENTATION UPDATE

PAYAM PAKBIN, Ph.D.

PROGRAM SUPERVISOR

ppakbin@aqmd.gov

OLGA PIKELNAYA Ph.D.

PROGRAM SUPERVISOR

opikelnaya@aqmd.gov



OUTLINE

-
- Enhanced monitoring projects in WCWLB
 - U.S. EPA Enhanced Air Monitoring Grants
 - UC Riverside / UC Berkeley Collaborative Research Project
 - Oil Wells mobile monitoring update
 - WCWLB monitoring pages update



- In November 2022, South Coast AQMD was awarded two \$500,000 competitive grants by U.S. EPA
- First grant: "Enhanced measurements of PM2.5 chemical composition and size distribution in Wilmington, CA"
- Second grant: "Empowering Community-based Air Quality Monitoring through the South Coast AQMD Sensor Library Program"

U.S. EPA ENHANCED AIR QUALITY MONITORING GRANTS

These new projects
will supplement and
build upon the AB 617
CAMP and its
implementation

Year 1 (2023)

- Site selection
- Instrument purchase, test, and installation

Year 2 (2024)

- Measurements
- Real-time data stream

Year 3 (2025)

- Measurements
- Data analysis, interpretation, and reporting

ENHANCED MEASUREMENTS PROJECT TIMELINE



COLLABORATIVE PROJECT WITH UC RIVERSIDE AND UC BERKELEY

Objectives

- Measuring air pollution close to the ports and petrochemical facilities
- Exploring the main differences in sources and composition of particulate matter between this area, Riverside, and Bakersfield



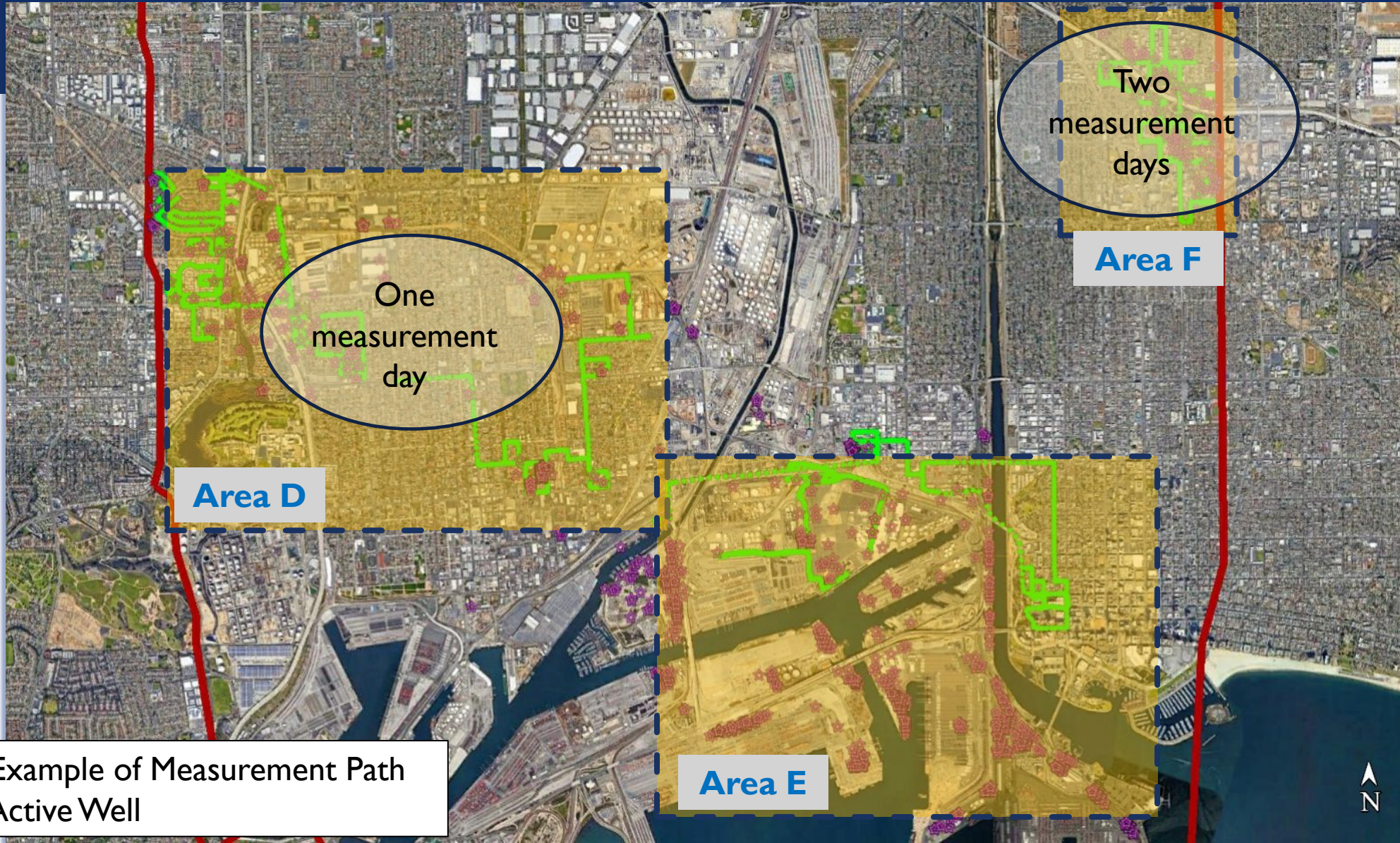
WCWLB Community Boundary



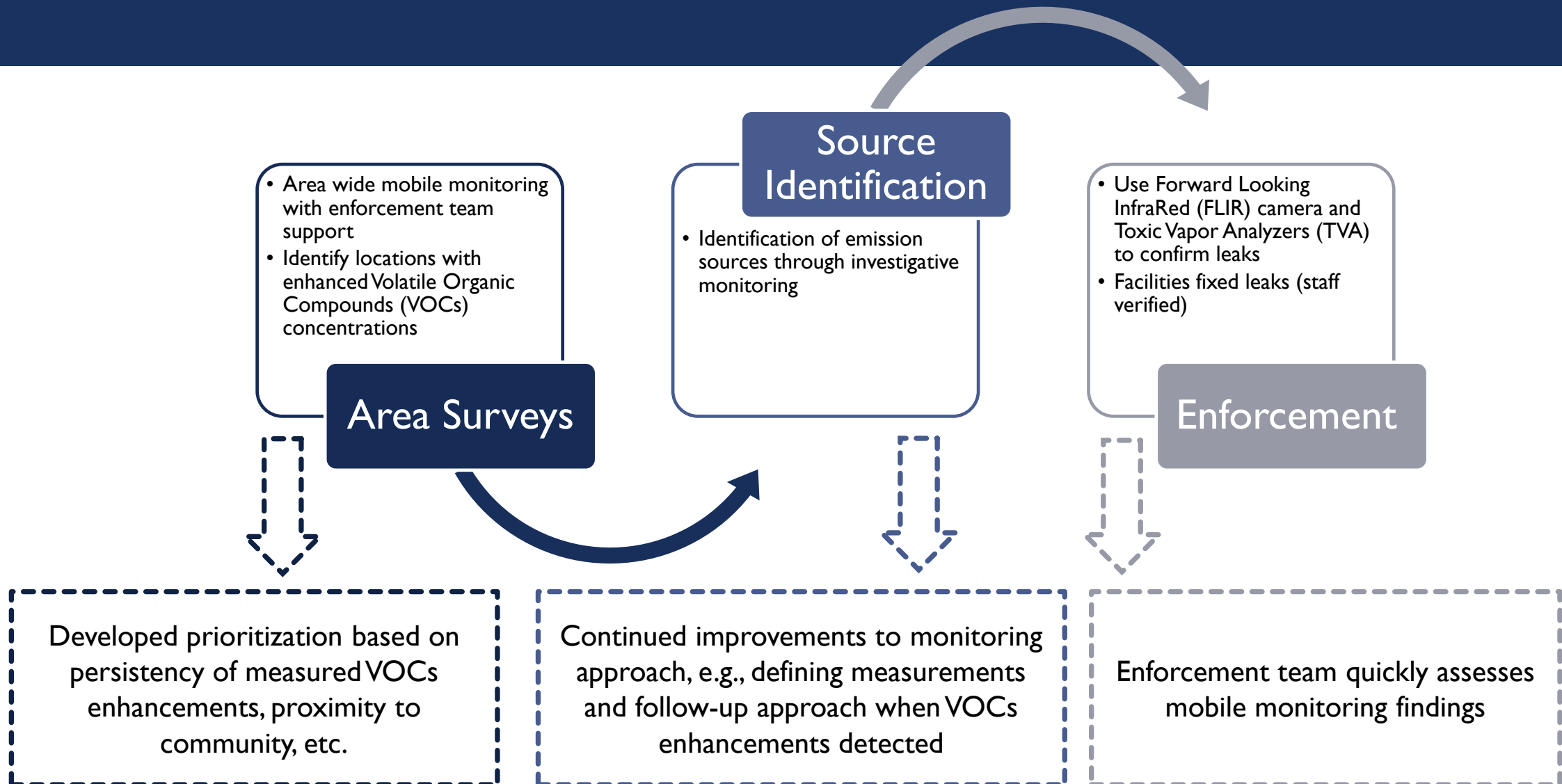
Monitoring Site

Project is funded by CARB
Measurements will start in
February 2023

LOCATIONS OF OIL WELLS IN THIS COMMUNITY



AIR MONITORING ACTIVITIES NEAR OIL WELLS



MOBILE MEASUREMENTS NEAR OIL WELLS DECEMBER 2022 – JANUARY 2023

Dates	Surveyed Area / Purpose	Compliance Activities
December 14, 2022	<p style="text-align: center;">Area D and Area F</p> <p>Follow-up at locations where VOCs enhancements were previously measured</p> <p>3 locations with elevated VOCs were detected during these measurements</p>	<p>3 inspections 1 NOV issued</p>
January 11, 2023	<p style="text-align: center;">Area F</p> <p style="text-align: center;">Complete area survey</p> <p>No elevated VOCs were detected during these measurements</p>	<p>No inspections No NOVs issued</p>
January 12, 2023	<p style="text-align: center;">Area D</p> <p style="text-align: center;">Complete area survey</p> <p>1 location with elevated VOCs was detected during these measurements</p>	<p>1 inspection 1 NOV issued</p>

VOCs = Volatile Organic Compounds

NOV = Notice of Violation



During this difficult time, South Coast AQMD is committed to protecting air quality and public health. Please visit our COVID-19 page for the operational updates and latest information. [Learn more.](#)



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Wilmington, Carson, West Long Beach Community

This page is dedicated to the Wilmington, Carson, West Long Beach (WCWLB) community data platform for real-time continuous measurements, interactive data summaries, air monitoring progress reports and the Community Air Monitoring Plan (CAMP).

Air Monitoring Data Display

- Real-time Continuous Measurements
- Rule 1180 Community Air Monitoring

Interactive Data Summaries

- Time-Integrated Air Monitoring Data Dashboard
- Continuous Air Monitoring Trends Analysis Dashboard
- Mobile Monitoring Dashboard

Emissions Investigations

- West Rancho Dominguez Emissions Investigation
Hexavalent chromium air monitoring results and a map identifying the sites in West Rancho Dominguez for the air monitoring effort that began on June 5, 2019
- Dominguez Channel Odor Event Investigation

Community Air Monitoring Plan (CAMP) Implementation Update

- Air Monitoring Progress Update (2023) *New!*
- Air Monitoring Progress Update (2022) (English Version)
- Air Monitoring Progress Update (2020) (Spanish Version)

YOU MAY ALSO LIKE ...

Rule 1180 - Refinery Community and Fenceline Air Monitoring

Rule 1180 Refinery Fenceline Monitoring Plans

FAQs

Frequently asked questions

Contact

Contact

Rule 1180 Community Air Monitoring

Landing page for the Rule 1180 Community Air Monitoring Data Display

AIR MONITORING PAGE FOR WCWLB COMMUNITY



<http://www.aqmd.gov/ab617/monitoring/wcwlb>

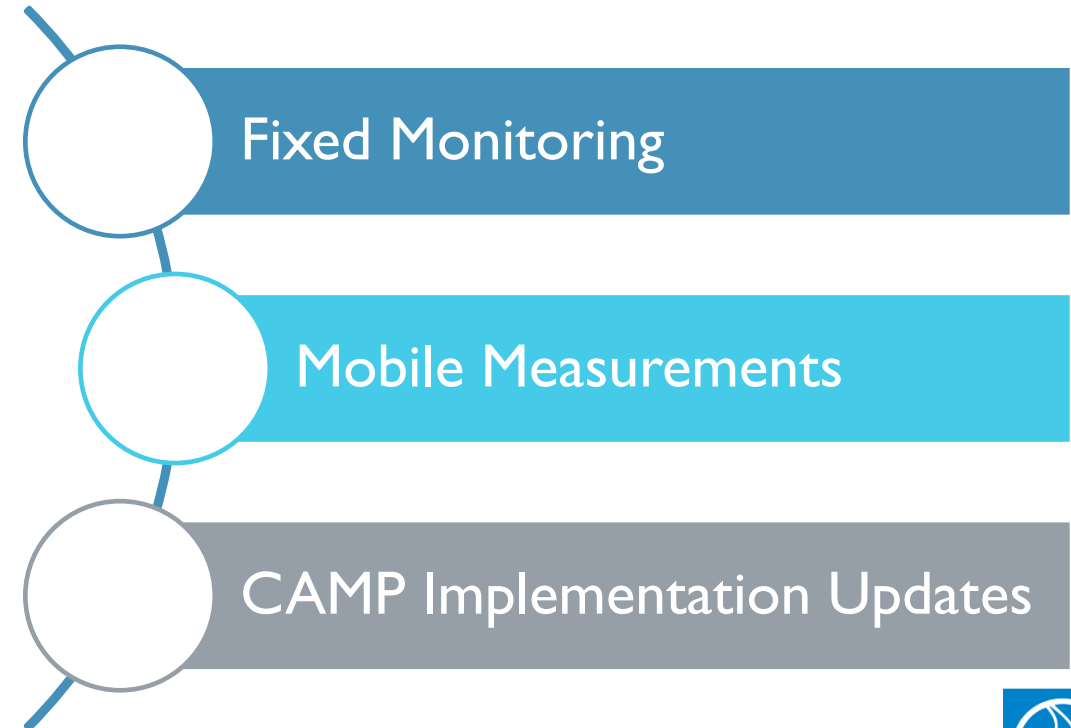


INTERACTIVE PROGRESS UPDATE

Air Monitoring Progress Update-
Wilmington, Carson, West Long
Beach Community

An interactive illustration of AB 617 monitoring activities in the Wilmington, Carson, West Long Beach community
(for more information click on the underlined text)

South Coast AQMD has been conducting community air monitoring in the Wilmington, Carson, West Long Beach (WCWLB) community since July 1st, 2019 as part of its AB 617 program. The air monitoring strategies, including locations and types of pollutants monitored, were determined through close collaboration with the WCWLB Community Steering Committee (CSC) during the development of the Community Emission Reduction Plan (CERP) and the Community Air Monitoring Plan (CAMP). The CAMP supports the actions and the goals outlined in the CERP.



DISCUSSION

- Comments, Questions, Concerns?

Payam Pakbin
ppakbin@aqmd.gov
909-396-2122

Olga Pikelnaya
opikelnaya@aqmd.gov
909-396-3157



NEXT STEPS

Future Announcements

- Newsletters or emails
- Continue CERP implementation

Future Meeting

- Tentatively May 11, 2023 (virtual)
- AQ Priority Updates & Agenda Topics
 - What would you like to hear about?

Public Comment



SOUTH COAST AQMD CONTACTS: WCWLB



- CERP

Belinda Huy
Air Quality Specialist
bhuy@aqmd.gov
909-396-3171

- CERP

Diana Thai
Program Supervisor
dthai@aqmd.gov
909-396-3443

- CSC

Ryan Stromar
Senior Public Affairs
Specialist
rstromar@aqmd.gov
909-396-2637

- CAMP

Payam Pakbin
Program Supervisor
ppakbin@aqmd.gov
909-396-2122