

Community Air Initiatives

Wilmington, Carson, West Long Beach
Community Steering Committee
Meeting #10

October 23, 2019
Carson Community Center



Meeting Objectives

- Community Updates & CSC Member Roster
- Governing Board Meeting Recap and Next Steps for CARB
- Truck Idling Locations Activity
- AB 617 Incentive Fund Projects
- Community Air Monitoring Highlights



Community Updates

iHeart Wilmington Community Wellness Festival



August 24, 2019

Community Tour Recap



August 9, 2019

CSC Member Roster



- If you would like to continue as a CSC Member, complete an **Interest form** and check the “**Recommit**” box
- Please return the form to staff or send to AB617@aqmd.gov
- If you are no longer interested in being a CSC Member, please recommend someone in your community or organization who would like to participate

**Please submit your form by
November 1, 2019**

Governing Board Meeting Recap and Next Steps for CARB

Governing Board Meeting Recap

- Meeting was held on September 6, 2019
- Staff presented all 3 AB 617 Year 1 CERPs
- Each CERP was adopted by the Governing Board
- The Governing Board agenda (i.e., CERP, presentation, etc.) is available at:
<http://www.aqmd.gov/home/news-events/meeting-agendas-minutes>
- The meeting can be viewed at:
<http://www.aqmd.gov/home/news-events/webcast>



Next Steps for CARB

October
2019

- South Coast AQMD staff will submit CERPs to CARB for review

January
2020

- CARB staff will hold a community meeting to hear from the community as staff develop recommendations on the CERP

February
2020

- CARB staff will recommend approval of the CERP if it meets the criteria of the Final Community Air Protection Blueprint

March
2020

- The CARB's Board will vote on the recommendations in the staff report

CERP Implementation: Idling Truck Sweeps



AB 617 WCWLB Community Steering Committee
October 23, 2019

California's Commercial Vehicle Idling Regulation

- Airborne Toxic Control Measure (ATCM) adopted by CARB in 2004 [Title 13, CCR, Section 2485]
- Purpose: To reduce public exposure to diesel particulate matter and other air contaminants by, among other things, limiting the idling of diesel-fueled commercial motor vehicles
- Can be enforced by CARB, peace officers in CA, and local air districts (e.g., South Coast AQMD)

What Is Covered by the Anti-Idling Rule?

- On-road, diesel-fueled commercial motor vehicles with a gross vehicle weight rating of at least 10,000 pounds
- Vehicles operating in California, whether or not registered in the state
- Diesel-fueled auxiliary power systems (APS), such as for air conditioners, heaters, or other equipment that allow resting in a sleeper berth

What Is Not Covered?

- Pickup trucks and other personal vehicles
- Motorhomes and trailers
- Non-diesel fueled trucks (e.g., gasoline or natural gas)
- Off-road vehicles, such tractors, cranes, and bulldozers
- Transport Refrigeration Units (TRUs)

Idling Restrictions

1. Without a “Certified Clean Idle” sticker, no idling anywhere for over five minutes
 - 2007 and newer model-year diesel engines that meet the low NOx limit (30 g/hr)
2. Even with a “Certified Clean Idle” sticker, special prohibition on idling within 100 feet of schools, residences, hotels, or other restricted areas for more than five minutes
3. Diesel-fueled auxiliary power systems (APS) also may not be operated for over five minutes within 100 feet of any restricted area





The Queuing Exception

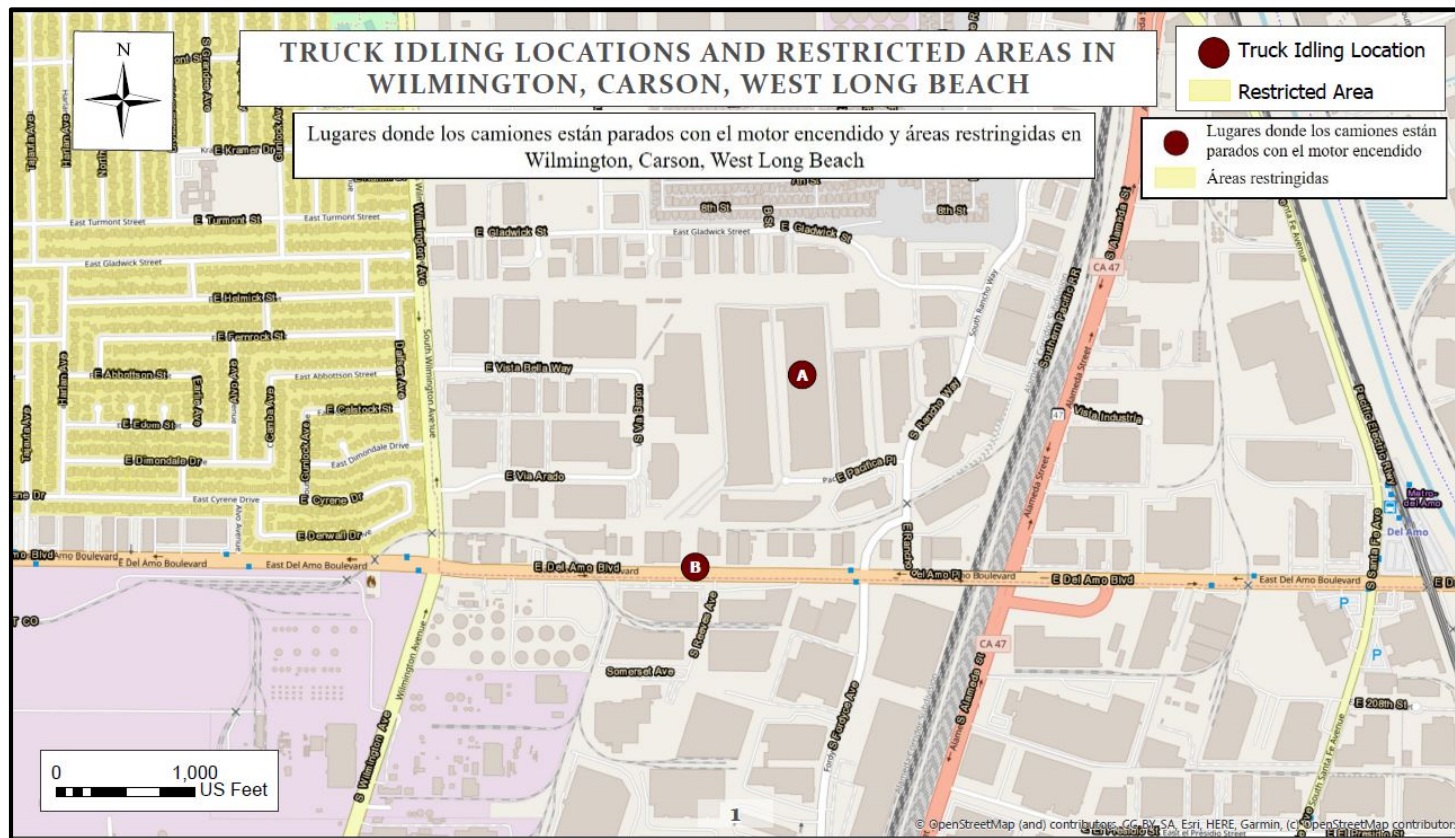
- “Queuing” refers to waiting to perform work in a line of vehicles that is repeatedly starting and stopping, when shutting off the vehicles’ engines is not possible
- Does not include waiting in line before the start of a workday or the opening of a work location
- Queuing vehicles must at all times be beyond 100 feet from any restricted area for this exception to apply

Upcoming Enforcement Efforts

- Quarterly idling truck sweeps, with follow-up enforcement actions
 - At locations identified by CSC and staff as having frequent idling
 - Will be conducted by both CARB and South Coast AQMD
 - Inspection results and input from the community will determine next steps

Truck Idling Location Prioritization Activity

- 1) Provide location details (address, cross streets, facilities, etc.)
- 2) Provide time and day(s) of week
- 3) Add a ✓ next to your top 5 areas



Truck Idling Location Worksheet*

Example

Location	Location Details	Time(s) and Day(s) of Week	✓
Example	<i>1269 N. Avalon St. Cross street is East M Street. 2 trucks regularly seen idling near a daycare center.</i>	<i>Wednesdays 5:00 am - 7:00 am</i>	✓
A			
B			
C			

*Please submit worksheet by 5:00 pm, November 1, 2019 to ab617@aqmd.gov

To Report a Truck Idling Complaint

Call South Coast AQMD or CARB and please provide the following information:

- Location of the incidence (address or nearest cross streets)
- Time of the incidence (when it was observed)
- Whether the incidence is still happening or not
- Whether the incidence is happening within 100 feet from a sensitive receptor (e.g., schools, daycares, hospital)
- License plate of the truck (if possible)

South Coast AQMD
1-800-CUT-SMOG

or

CARB
1-800-END-SMOG

Update on AB 617 Incentive Projects



Vicki White
Technology Implementation Manager
South Coast AQMD

Background –AB 134 (Year 1)

- In 2017, Governor signed AB 134
 - \$250M statewide for early actions to reduce emissions in disadvantaged and low-income communities
 - \$107.5M allocated to South Coast AQMD (6.25% for administrative costs)
 - Eligible projects are those submitted through Carl Moyer and Proposition 1B - Goods Movement Programs
 - Spending deadline: June 30, 2021

South Coast AQMD has awarded all AB 134 funds to projects, now in various stages of deployment

Background – SB 856 (Year 2)

In 2018, Governor signed **SB 856**

- \$245M statewide to continue supporting the goals of AB 617
- \$85.57M allocated to South Coast AQMD (6.25% for administrative costs)
- Spending deadline: June 30, 2022

Mobile source projects submitted under this year's Carl Moyer Program may be considered for Year 2 incentives

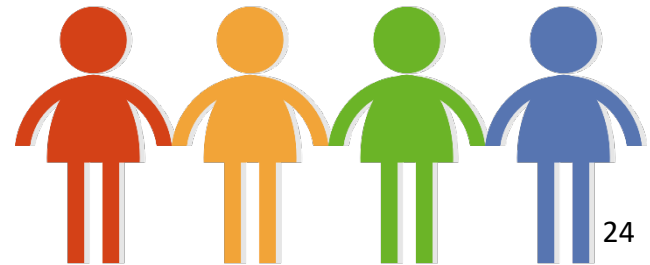
Funding requests far exceeded the amount of available funds

Priority given to projects domiciled or operated a majority of time in the AB 617 communities (under consideration for approval)

Enhanced Outreach

In addition to regular outreach for Carl Moyer Program, staff conducted additional outreach targeting sources in AB 617 communities:

- Program funding information/staff support at community steering meetings
- Coordination with Ports to provide funding information to drayage truck owners/operators and terminal operators
- Emails to over 16,000 subscribers to Carl Moyer listserv
- Emails to warehouse facilities
- Enhanced outreach to agricultural communities
- Truck survey



Additional Outreach in CERP Actions



- **Ports (Chapter 5c)**

Action 3 – Identify additional incentive funding opportunities for cleaner port equipment & drayage trucks



- **Neighborhood Truck Traffic (Chapter 5d)**

Action 2 – Continue to identify additional incentive funding opportunities to replace & accelerate adoption of cleaner heavy-duty trucks



- **Railyards (Chapter 5f)**

Action 1 – Work with local utilities & state agencies to encourage infrastructure for zero emission vehicles and equipment

Update on CAP Incentive Projects

(Wilmington, Carson, West Long Beach Community)

Project Type	Technology	Year 1			Year 2 (Proposed*)		
		# of Units	Awards	NOx Reduced (TPY)	# of Units	Funds Requested	NOx Reduced (TPY)
Heavy-Duty Vehicles	Zero Emission	8	\$1.3M	2.7	5	\$0.5M	2.5
	Optional Low-NOx	123	\$6.5M	32.1	51	\$3.6M	22.5
	Emergency (Diesel or Gasoline)	-	-	-	3	\$0.1M	0.2
Off-Road Equipment	Zero Emission	-	-	-	24	\$0.3M	0.4
	Hybrid Electric	-	-	-	11	\$8.2M	24.3
	Tier 4 Engine	1	\$0.2M	0.5	12	\$1.3M	8.1
	Tier 3 Engine	1	\$0.3M	2.2	-	-	-
Infrastructure	Zero Emission	-	-	-	3(sites)	\$3.4M	NA
	Renewable Natural Gas	1 (site)	\$4.0M	n/a	1(site)	\$1.1M	NA
Marine Vessels	Tier 3 Engine	23	\$5.7M	19.9	39	\$15.7M	63.6
Locomotives	Tier 4 Engine	-	-	-	1	\$1.2M	0.2
Total		157	\$18.0M	57.4	150	\$35.6M	121.6

* Currently scheduled for Governing Board consideration for December 6, 2019



Zero Emission Projects

(Wilmington, Carson, West Long Beach Community)

Zero Emission Project Type	Year 1	Year 2 (Proposed)
Heavy Duty Vehicles	<ul style="list-style-type: none"> • 3 applicants: 8 Class 8 trucks • Transport grocery products and other goods 	<ul style="list-style-type: none"> • 1 applicant: 5 Class 8 trucks • Transport grocery products
Off-Road Equipment	None	<ul style="list-style-type: none"> • 1 applicant: 24 forklifts • Handle cargo at a warehouse in Long Beach
Infrastructure	None	<ul style="list-style-type: none"> • 2 applicants, 3 sites • Site 1 (Port of Long Beach): <ul style="list-style-type: none"> • 3 fast charging stations for ZE top-handlers • Site 2 (cargo handling facility in Long Beach) : <ul style="list-style-type: none"> • 5 fast charging stations for ZE yard tractors • Site 3 (warehouse in Compton): <ul style="list-style-type: none"> • 1 charging station for ZE yard tractors; and 260 outlets for electric-powered TRUs

Emission Reduction Benefits

(Wilmington, Carson, West Long Beach Community)

Pollutant	Expected Annual Emission Reduction (TPY)	
	Year 1	Year 2 (Proposed)
NOx	57.4	121.6
PM	1.0	3.1
ROG	2.4	6.2

Upcoming Funding Opportunities

Proposition 1B – Goods Movement Program:

- Program Announcement opened October 4
- Open until all funds are fully committed (or by 12/30/20)
- Funding for Class 5-8 heavy-duty trucks
- Approximately \$30M available
- Program Announcement now open
- Class 7/8 - \$200k for zero emission, \$100k for near-zero emission
- Considering a “plus-up” for small fleets



Upcoming Funding Opportunities

Volkswagen Mitigation Program:

Project Category *	Technology	Allocation (millions) *	Air District
Zero Emission Transit, School and Shuttle Buses	Battery electric or fuel cell	\$130 **	SJVAPCD
Zero Emission Class 8 Freight and Port Drayage Trucks	Battery electric or fuel cell	\$90	South Coast AQMD
Zero Emission Freight and Marine Projects (e.g., airport GSE, forklifts, port cargo handling equipment, shore power at port terminals)	Battery electric or fuel cell	\$70	BAAQMD
Combustion Freight and Marine Projects (e.g., waste haulers, dump trucks, concrete mixers, switcher locomotives, ferries, tug/tow boats)	Low NOx engine, Tier 4, or Tier 4 equivalent	\$60	South Coast AQMD
Light-Duty Zero Emission Vehicle Infrastructure	Electric charger or hydrogen fueling station	\$10	BAAQMD
	Total:	\$360	

*1st installment totaling \$167 million will be made available starting this year

**Schedule to open this October 2019, First-Come, First-Served

Upcoming Funding Opportunities

Carl Moyer Program:

- Annual Cycle
- 2019 Carl Moyer Program closed in June of this year
- 2020 Carl Moyer Program anticipate a total of \$40M available
- **New Program Announcement scheduled for release in March 2020, and will close in June 2020**
- On- and off-road heavy-duty vehicles/equipment and infrastructure for zero and near-zero emission technologies



Useful Links

Topics	Links
CAPP Incentives Web Page	http://www.aqmd.gov/cappincentives
Prop 1B Goods Movement Program Web Page	http://www.aqmd.gov/prop1b
Volkswagen Mitigation Web Page	http://www.aqmd.gov/vw
San Joaquin Valley APCD's Volkswagen Mitigation Web Page (Zero Emission Transit, School and Shuttle Buses) – <i>Scheduled for Release in October 2019</i>	http://vwbusmoney.valleyair.org
Voucher Incentive Program (for small fleets of 10 trucks and less)	http://www.aqmd.gov/vip

Opportunities for Incentives Outreach in the Community

- Small fleets - Independent Owners and Operators:
 - South Coast AQMD looking into providing a “Plus-Up” to increase incentive amount for small fleets
 - Priority ranking for small fleets
- Incentives outreach events
- Build upon and/or improve existing outreach efforts (e.g., warehouses, commercial fleets, etc.)
- Provide information on zero emission vehicles and availability of incentives



Comments or Questions?

- Please visit: www.aqmd.gov/cappincentives
 - At bottom of web page, click on “Comments or Questions”
- To receive updates on South Coast AQMD’s incentive funding programs, please visit: www.aqmd.gov
 - At bottom of web page, please sign up at “Newsletter Sign Up”
 - Check all programs you are interested in
 - Then click “Subscribe”





Updates on Community Air Monitoring in WCWLB

Payam Pakbin, PhD

Program Supervisor

Olga Pikelnaya, PhD

Program Supervisor

October 23, 2019

Ongoing AB 617 Air Monitoring Activities

Fixed Monitoring

- Hudson Monitoring Station
- Near Road (I-710) Monitoring Station

Investigative Monitoring

- Air Toxics Monitoring and Compliance Activities in West Rancho Dominguez

Mobile Monitoring

- Wide-Area and Targeted Surveys
- Emission Source Characterization
- Leak Detection

AB 617 Air Monitoring Webpage:

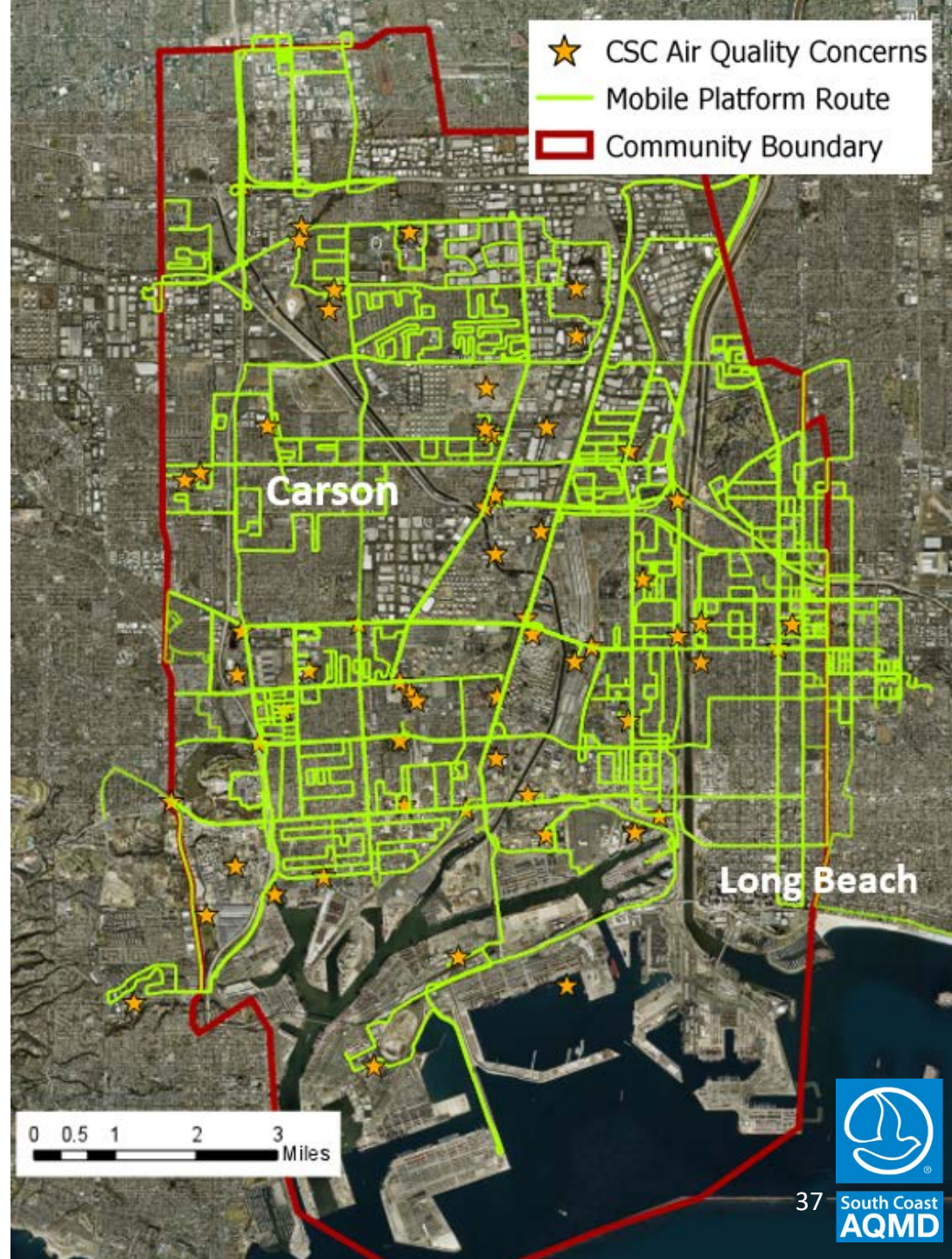
<http://www.aqmd.gov/nav/about/initiatives/community-efforts/environmental-justice/ab617-134/ab-617-community-air-monitoring>

Data Display Tool:

<http://xappprod.aqmd.gov/AB617CommunityAirMonitoring/Home/Index>

AB 617 Monitoring Update: Mobile Monitoring

- 25 measurement days between 06/20/19 and 10/02/19 (7:00 am to 10:00 pm)
- 4 mobile monitoring platforms were utilized
- All CSC air quality concerns were surveyed (data is still being processed)



Mobile ORS Measurements of Oil Wells in the Community

Oil Well Survey Tracks

• Oil Wells

O'Donnell Oil Company
(near Figueroa and Lomita)

Signal Hill Petroleum
(near Olive and Patterson)

Termo Nakamura #63
(near Walnut & Creston)

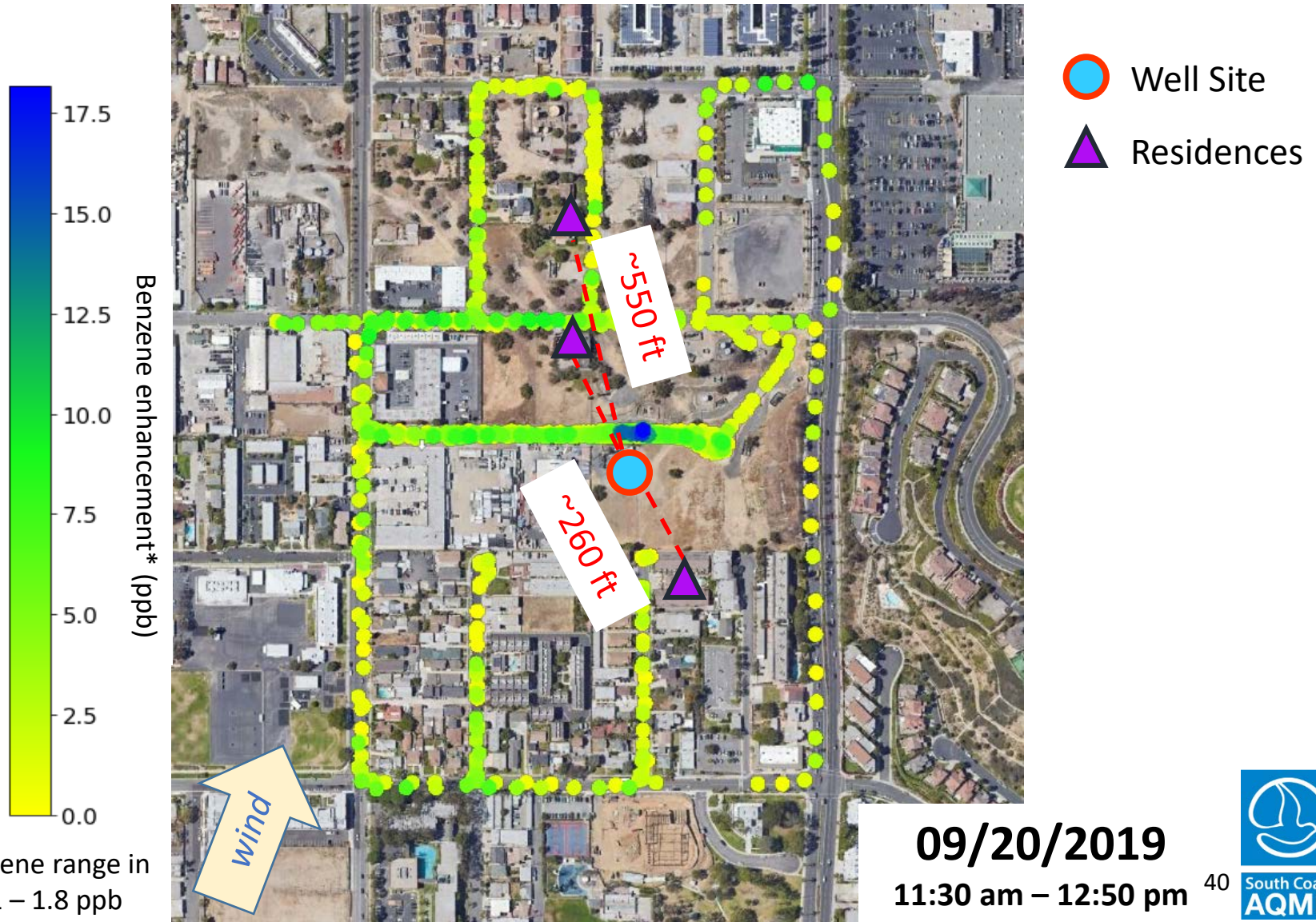
Summary of Activities

Well Site	Measurement Date	Maximum measured benzene*# (ppb)	Number of surveys
Walnut and Creston	7/2/2019	23	7
	8/30/2019	20	9
	9/6/2019	2	5
	9/13/2019	23	7
	9/19/2019	18	8
	9/20/2019	11	12
	9/26/2019	5	12
	10/2/2019	2	7
Olive and Patterson	7/11/2019	27	1
	8/30/2019	70	1
	9/6/2019	8	2
	9/13/2019	8	6
	9/19/2019	19	2
	9/26/2019	10	3
	10/2/2019	7	3
Lomita and Figueroa	9/6/2019	5	1
	9/13/2019	2	3
	9/19/2019	3	1
	9/26/2019	3	4
	10/2/2019	10	4

* Typical benzene range in the Basin: 0.1 - 1.8 ppb

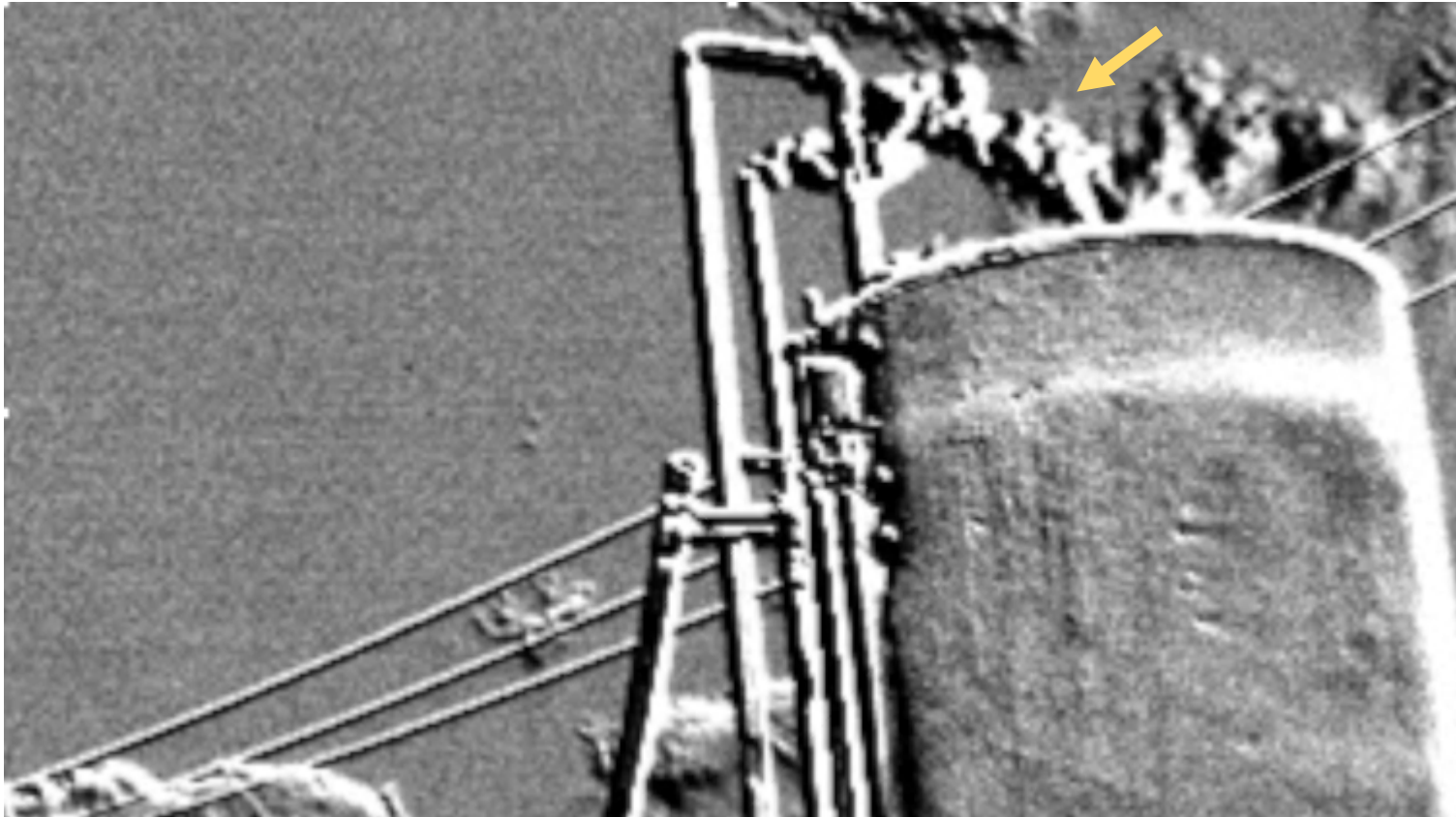
Instantaneous daily maximum concentration measured directly downwind of the well

Termo Nakamura #63 (near Walnut and Creston)



*Typical benzene range in the Basin: 0.1 – 1.8 ppb

Termo Nakamura #63 (near Walnut and Creston)



Please refer to the electronic presentation for video footage

09/19/2019

11:32 am

Signal Hill Petroleum (near Olive and Patterson)

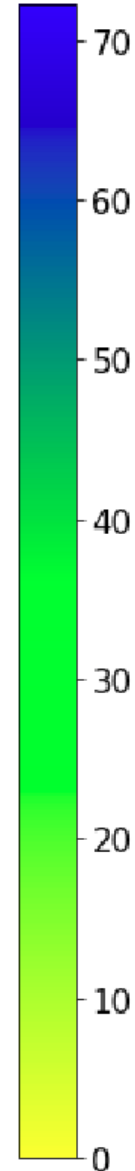
- Well Site
- Hospital



08/30/2019
1:30 pm – 2:45 pm

NOTE: The scale has been adjusted to better display min and max concentrations

Benzene enhancement* (ppb)

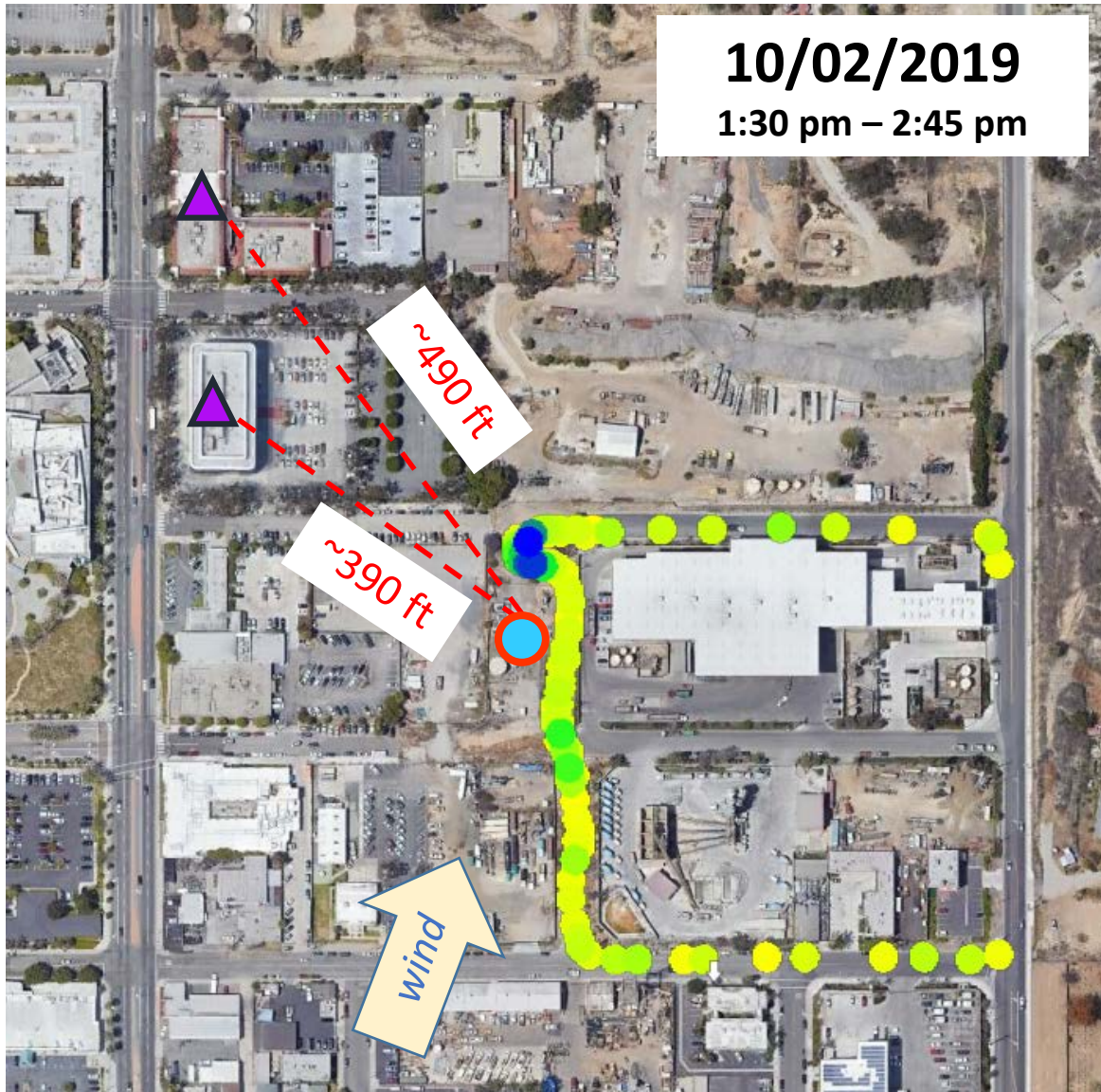


*Typical benzene range in the Basin:
0.1 – 1.8 ppb

Signal Hill Petroleum (near Olive and Patterson)

- Well Site
- Hospital

10/02/2019
1:30 pm – 2:45 pm

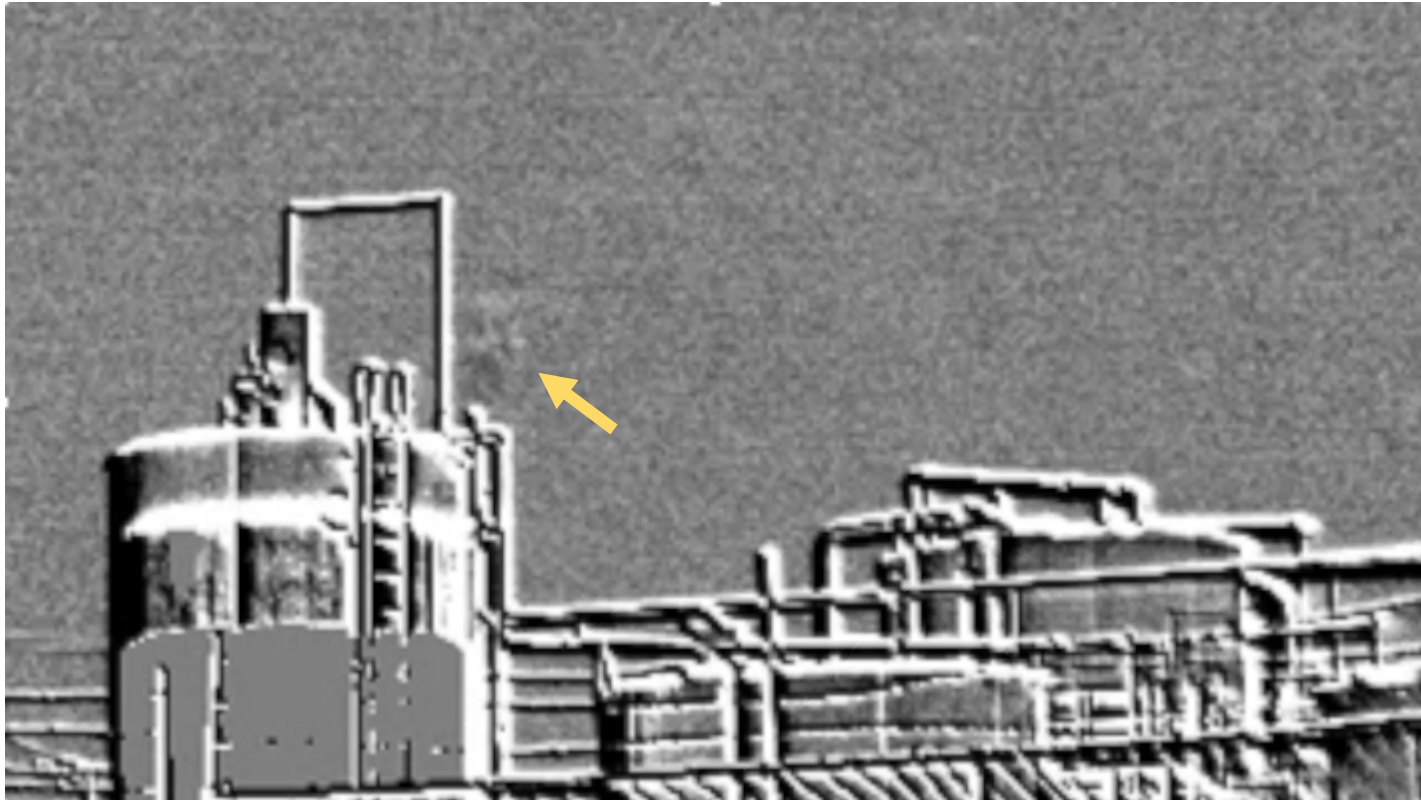


NOTE: The scale has been adjusted to better display min and max concentrations

Benzene enhancement* (ppb)

*Typical benzene range in the Basin: 0.1 – 1.8 ppb

Signal Hill Petroleum (near Olive and Patterson)



Please refer to the electronic presentation for video footage



09/19/2019

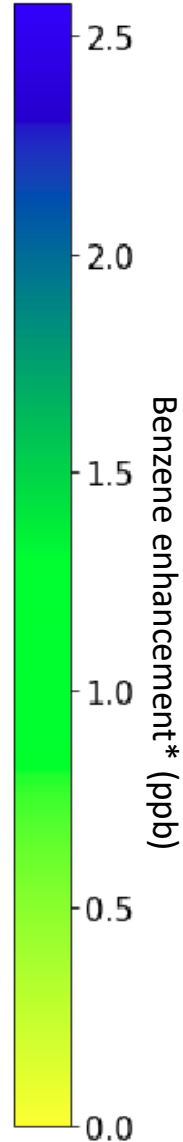
12:46 pm

O'Donnell Oil Company (near Figueroa and Lomita)

09/26/2019

1:30 pm – 2:45 pm

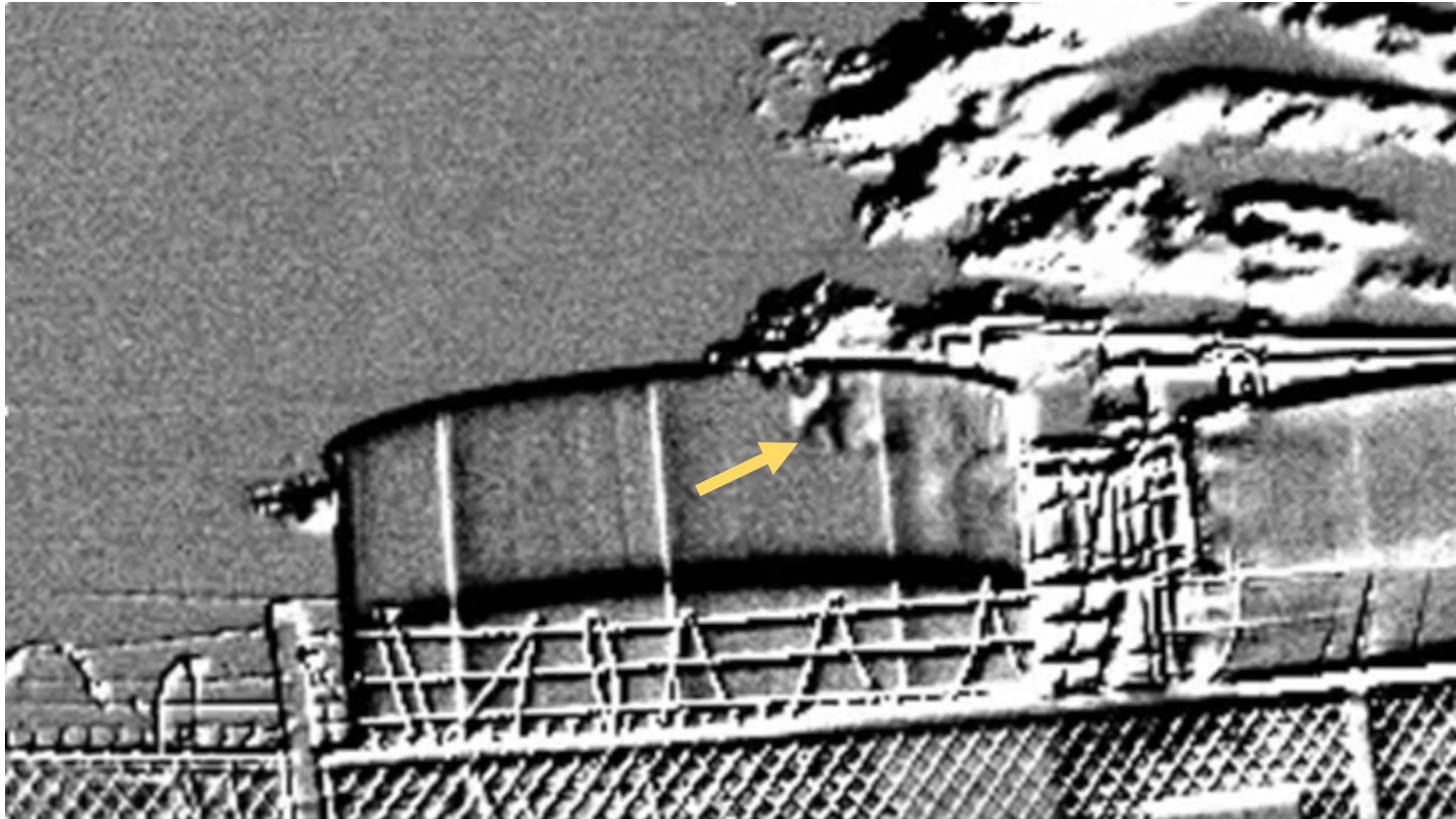
-  Well Site
-  Residences



NOTE: The scale has been adjusted to better display min and max concentrations

*Typical benzene range in the Basin:
0.1 – 1.8 ppb

O'Donnell Oil Company (near Figueroa and Lomita)



Please refer to the electronic presentation for video footage

09/19/2019

2:18 pm

Summary

- Elevated levels of benzene were consistently observed downwind of three well sites within and near WCWLB
- Elevated benzene readings were localized near the wells
- In all three instances, sources of emissions were confirmed using a FLIR gas imaging camera
- Mobile ORS surveys are ongoing

NOTE: all concentrations are reported as enhancements over the typical background level in the measurement area



Questions & Discussion

CERP Implementation

- CSC Meetings for CERP implementation will:
 - Be held **quarterly**
 - Include updates on enforcement, air monitoring, outreach, incentives, and rule development actions

Examples of Actions beginning in 2020



School prioritization and installation of air filtration systems



Improve refinery flare notifications



Conduct surveillance and air measurements to identify potential leaking vessels

Examples of Actions beginning in 2020 (continued)



Evaluate potential designated truck routes



Prioritize oil drilling and production wells and conduct mobile air measurements to identify leaks



Develop Indirect Source Rule (ISR) on railyards

Next steps and important reminders

Future meeting date and location:

- CSC Quarterly Update Meeting #1: Thursday, January 16, 2020 (6:00 p.m. – 8:30 p.m.) at the Wilmington Senior Center

Likely agenda items for CSC Quarterly Update Meeting #1 and CARB Community Meeting:

- Flare emissions data report (Rule 1118)
- Updates on:
 - Monitoring
 - CARB At-Berth Regulation and Port Incentive Opportunities (e.g., Cargo Handling Equipment (CHE))
 - Truck idling sweeps
 - Division of Oil, Gas, and Geothermal Resources (DOGGR)
 - Departments of Public Health collaboration
 - CARB presentation of CERP and community input

Important Dates and Deadlines

- Submit CSC Interest forms by November 1, 2019

Thank you
for the hard work!

More information on AB 617:

www.aqmd.gov/AB617

Email: AB617@aqmd.gov

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