

AB 617 COMMUNITY STEERING COMMITTEE

WILMINGTON, CARSON, WEST LONG BEACH

FEBRUARY 24, 2022

2:00 – 4:00 PM

[ZOOM MEETING LINK](#)



AGENDA



- CSC Member Updates
- Outreach Update
- Truck Incentives Workshop Update
- Community Air Monitoring Plan (CAMP) Implementation Update
- Community Emissions Reduction Plan (CERP) Implementation Update
- Agenda Items for Next Meeting
- Public Comment

AB 617 WCWLB

CSC Member Updates



AB 617 WCWLB

Outreach Updates





AB 617 TRUCK INCENTIVES WORKSHOP

FRANCES MAES

AIR QUALITY SPECIALIST

AB 617 TRUCK INCENTIVES WORKSHOP

Recap

- **Outreach**
- **2nd of 3 Workshops Held on Jan 26th**

Truck
Loaner
Concept

- **Minimal Risk**
- **Reliability & Purchase Cost**
- **Over 75% Support**

Next Steps

- **Request more feedback**
- **Survey**

AB 617 TRUCK INCENTIVES WORKSHOP

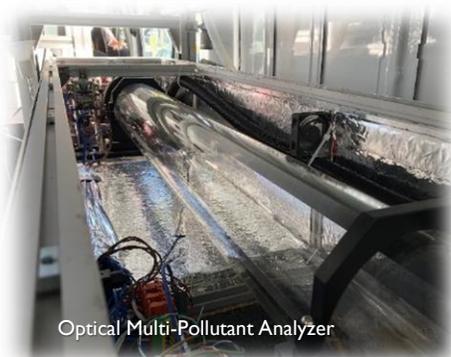
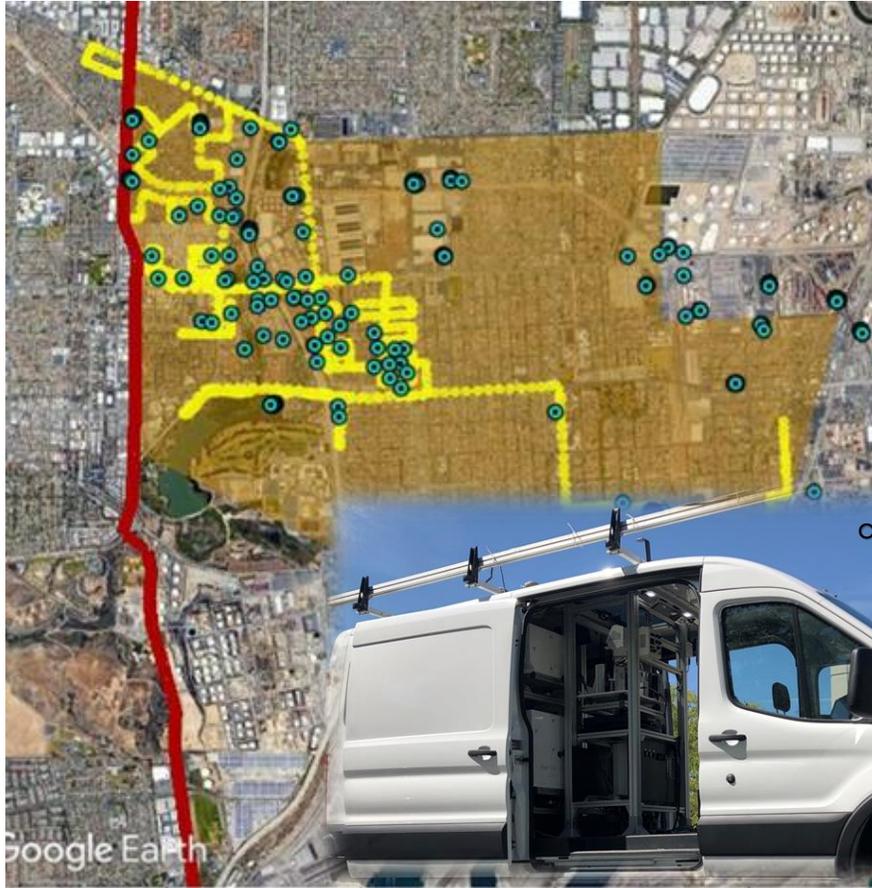
Wednesday, March 30th (5-7pm)

Webpage:

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

E-mail:

617TruckIncentives@aqmd.gov



Optical Multi-Pollutant Analyzer



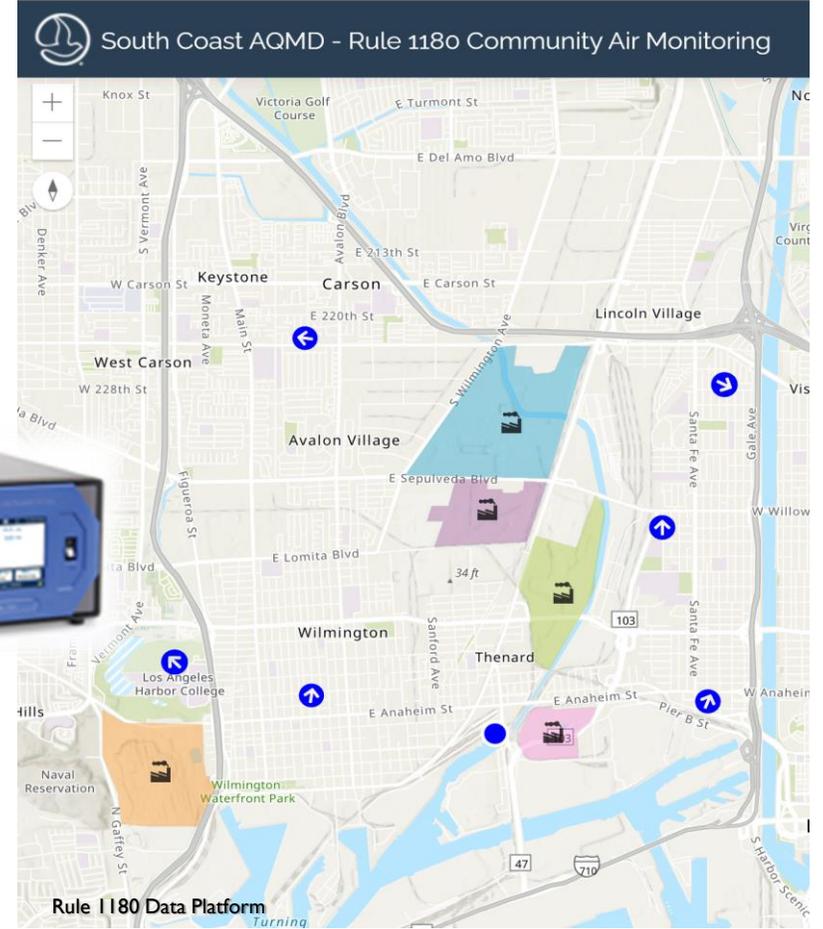
ORS Mobile Laboratory



H₂S Analyzer



Hand-held H₂S Analyzer



UPDATE ON COMMUNITY AIR MONITORING IN WCWL B

OLGA PIKELNAYA PH.D

PROGRAM SUPERVISOR



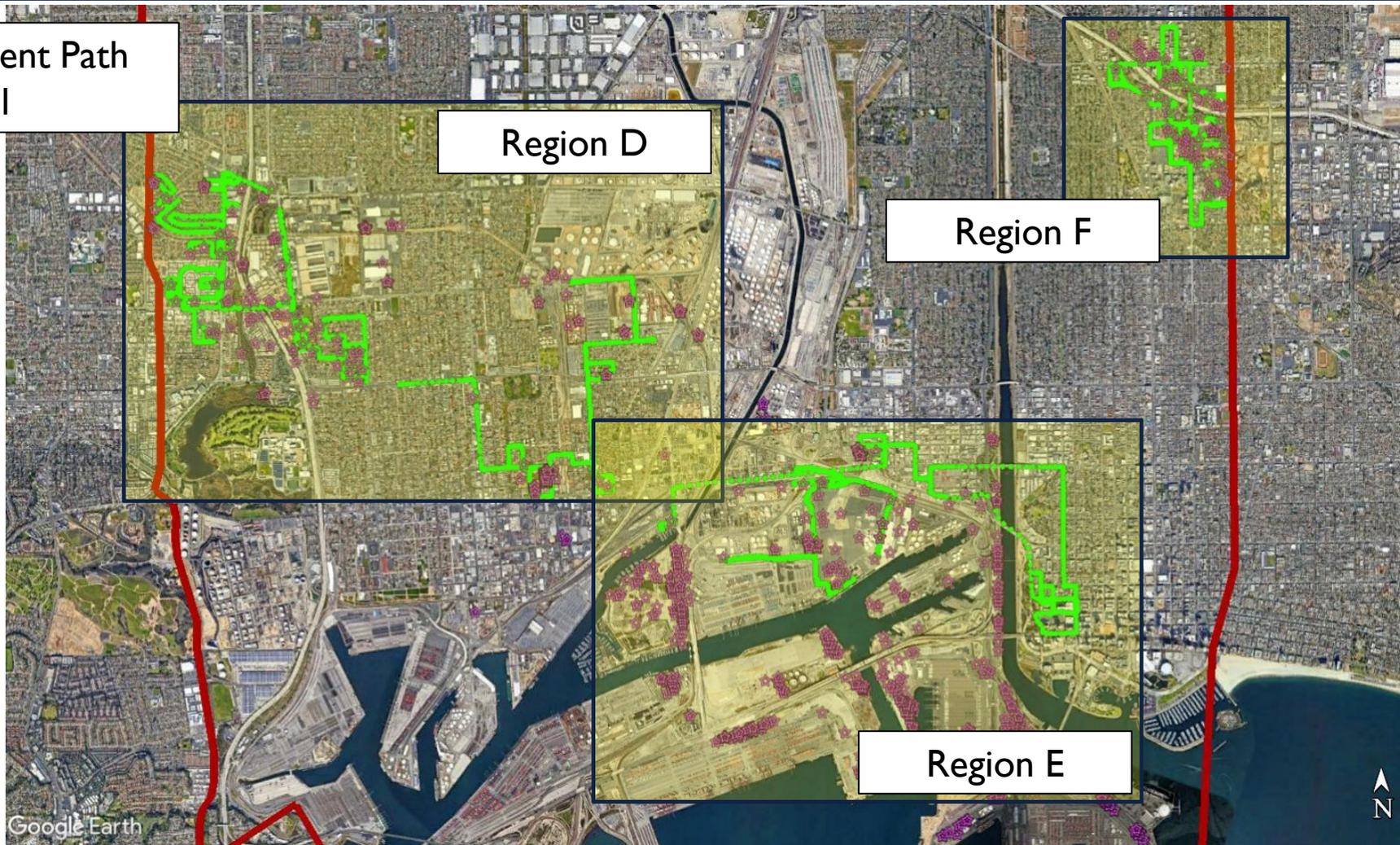
OUTLINE

- Air Monitoring Near Oil Wells in Community
- Dominguez Channel Odor Event Update
- Refinery VOC Baseline Measurements Update

MOBILE MEASUREMENTS NEAR OIL WELLS

MEASUREMENT ROUTES

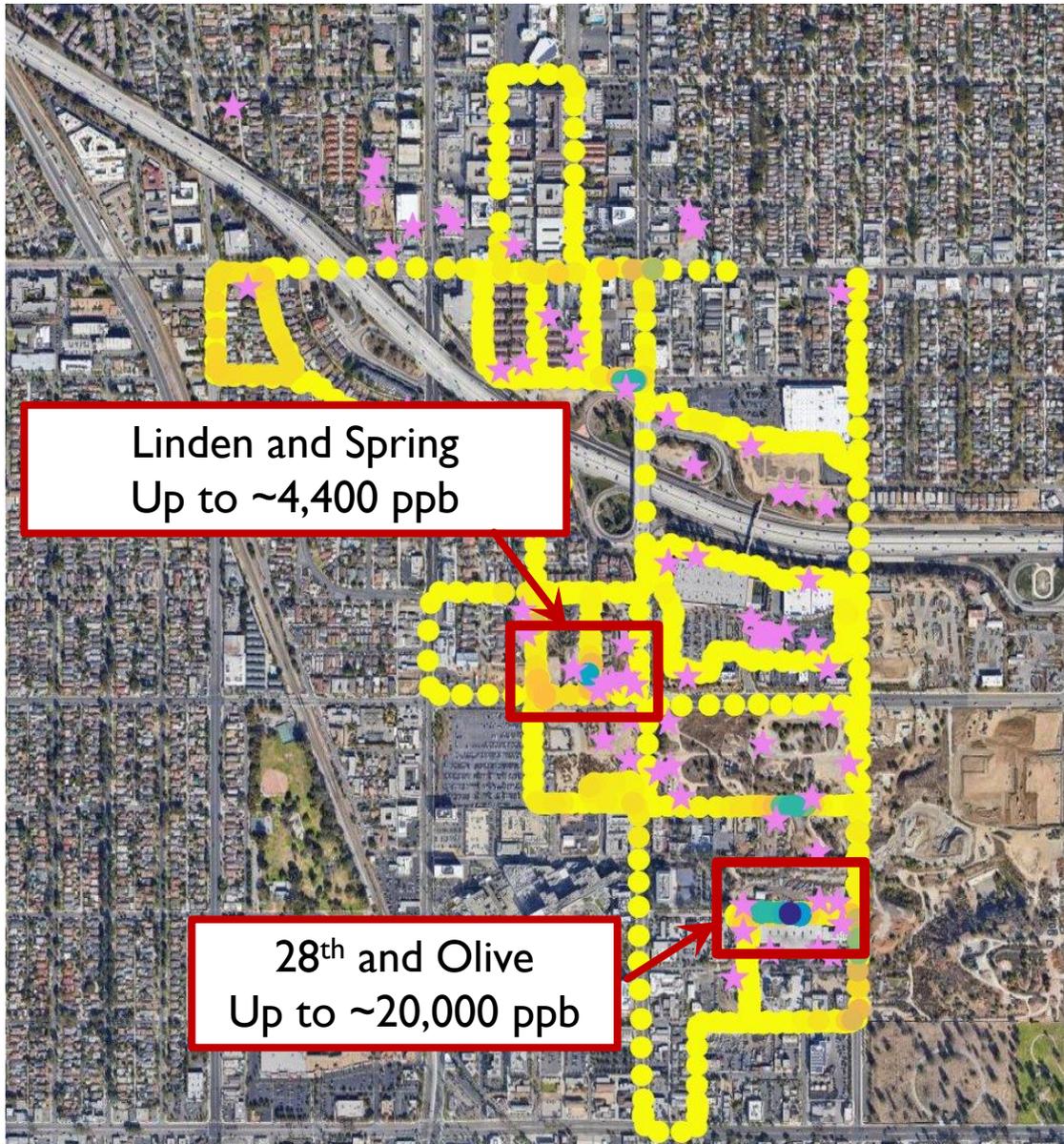
- Measurement Path
- ★ Active Well



MOBILE MONITORING NEAR OIL WELL SUMMARY OF IDENTIFIED HOT SPOTS

~350 Oil Wells Surveyed

Region	Measurement Date	Hot-Spot Location/Description
D	January 11, 2022	Figueroa and Lomita (oil site)
E	January 12, 2022	None
F	December 7, 2021	28th and Olive (oil site) Linden and Spring (oil site)
	January 12, 2022	28th and Olive (oil site)
	February 1, 2022	Linden and Spring (oil site)



★ Active Well

20000.0

10200.0

400.0

210.0

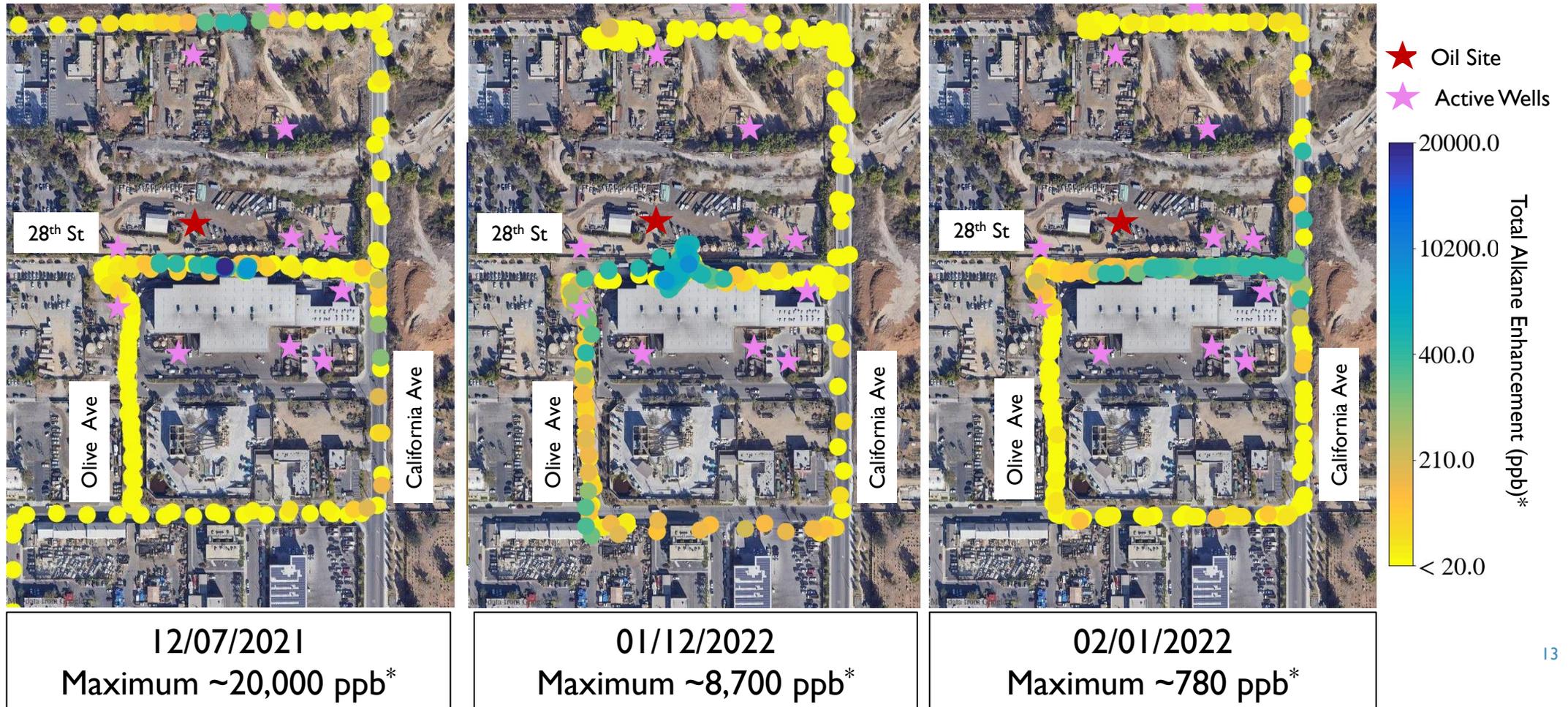
< 20.0

Total Alkanes enhancement (dbb) *
*Instantaneous readings during mobile survey

REGION F FINDINGS

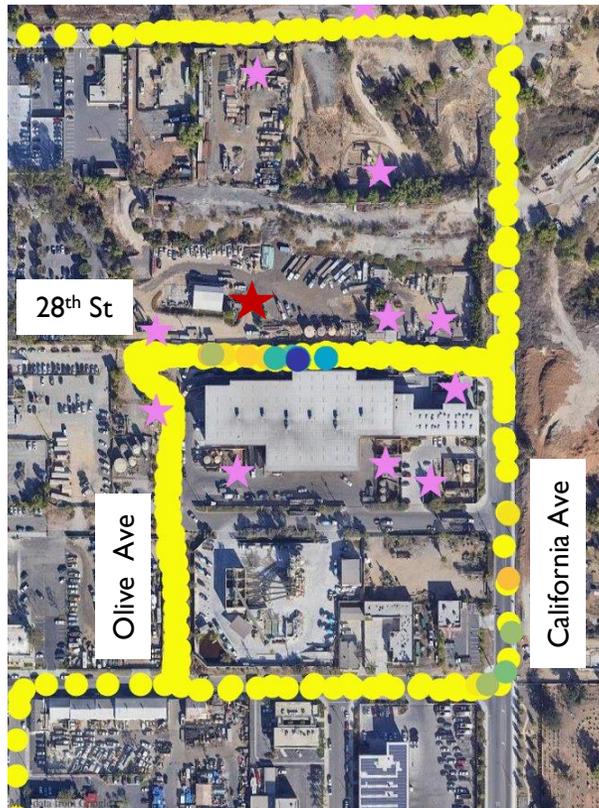
Example of mobile survey conducted on 12/07/2021

28TH AND OLIVE OIL SITE VOC



*Instantaneous readings during mobile survey

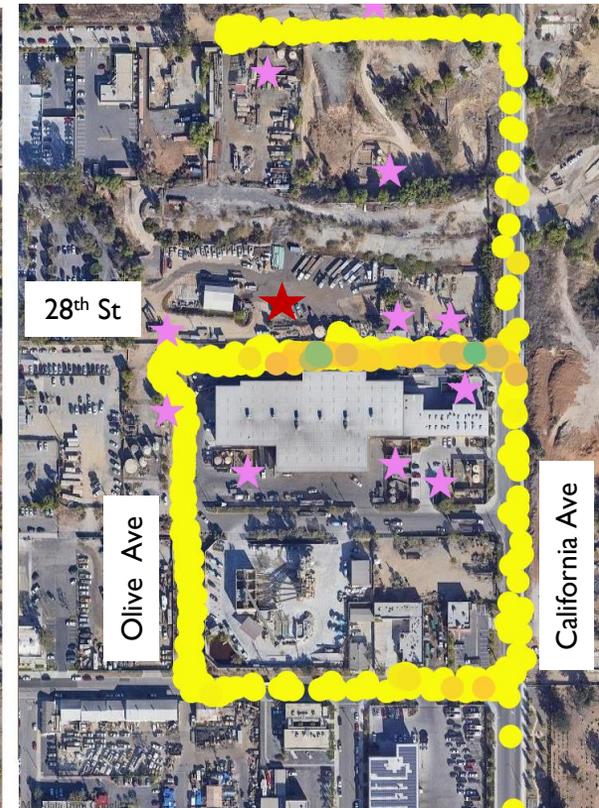
28TH AND OLIVE OIL SITE BENZENE



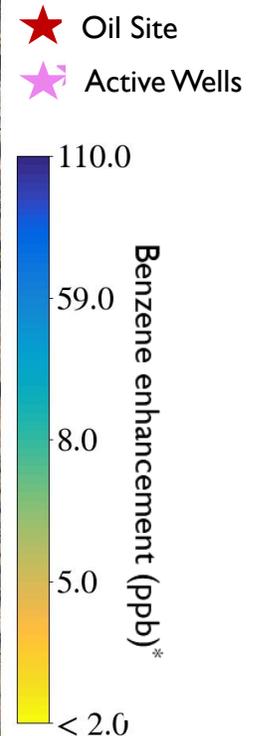
12/07/2021
Benzene maximum ~100ppb*#



01/12/2022
Benzene maximum ~40ppb*#



02/01/2022
Benzene maximum ~5ppb*#



*Instantaneous readings during mobile survey
#Typical benzene range: 0.1 - 1.8 ppb

28TH AND OLIVE OIL SITE SUMMARY

- Elevated levels of VOC (Alkanes) and Benzene measured on 12/07/2021 and 01/12/2022
- Compliance staff conducted on-site inspections
- Pollutant concentrations measured on 02/01/2022 were substantially reduced

LINDEN AND SPRING OIL SITE VOC



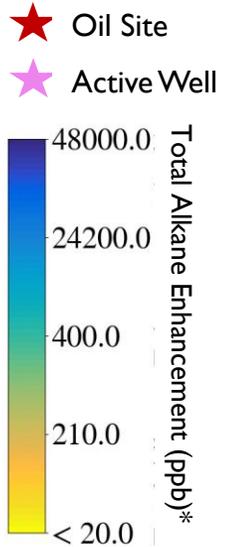
12/07/2021
Maximum ~4,400 ppb*



01/12/2022
Maximum < 400 ppb*



02/01/2022
Maximum ~ 48,000 ppb*+



*Instantaneous readings during mobile survey
+Measured during repairs conducted at the site

LINDEN AND SPRING OIL SITE BENZENE



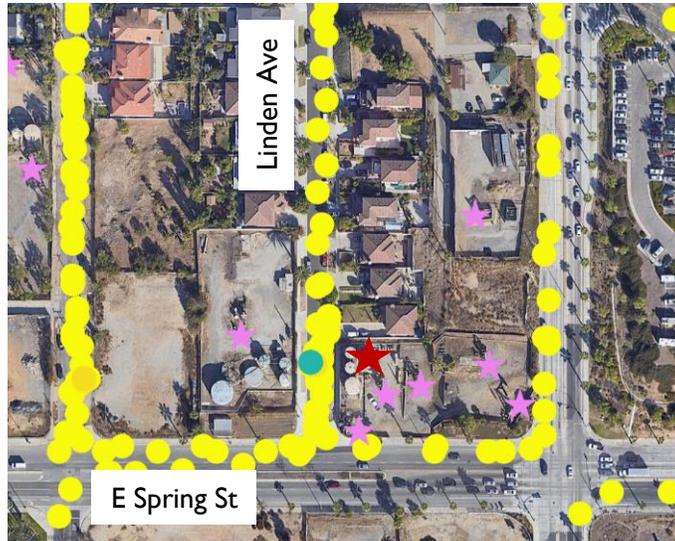
12/07/2021
Benzene maximum ~14ppb*#

01/12/2022
Benzene maximum ~5ppb*#

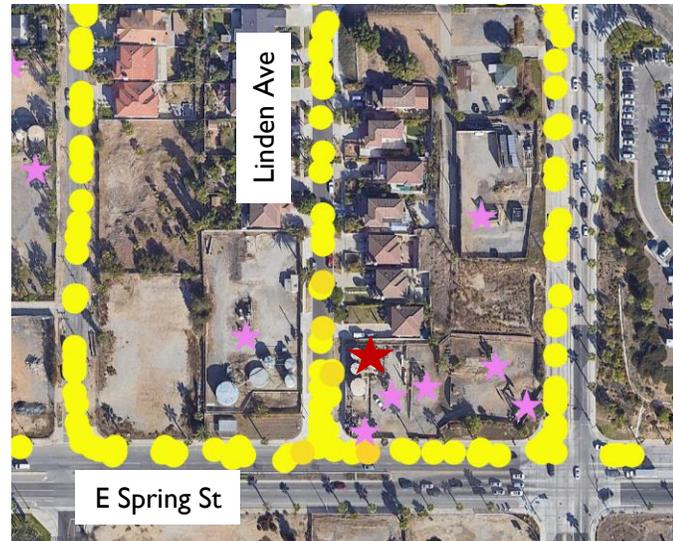
02/01/2022
Benzene maximum ~110ppb*##+

*Instantaneous readings during mobile survey
 #Typical benzene range: 0.1 - 1.8 ppb
 +Measured during repairs conducted at the site

LINDEN AND SPRING OIL SITE BENZENE



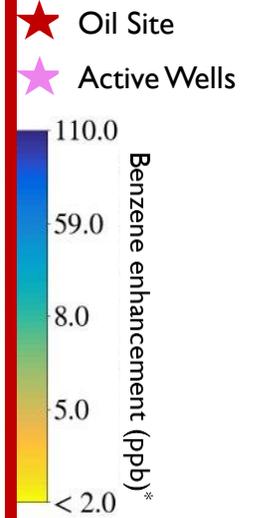
12/07/2021
Benzene maximum ~14ppb*#



01/12/2022
Benzene maximum ~5ppb*#

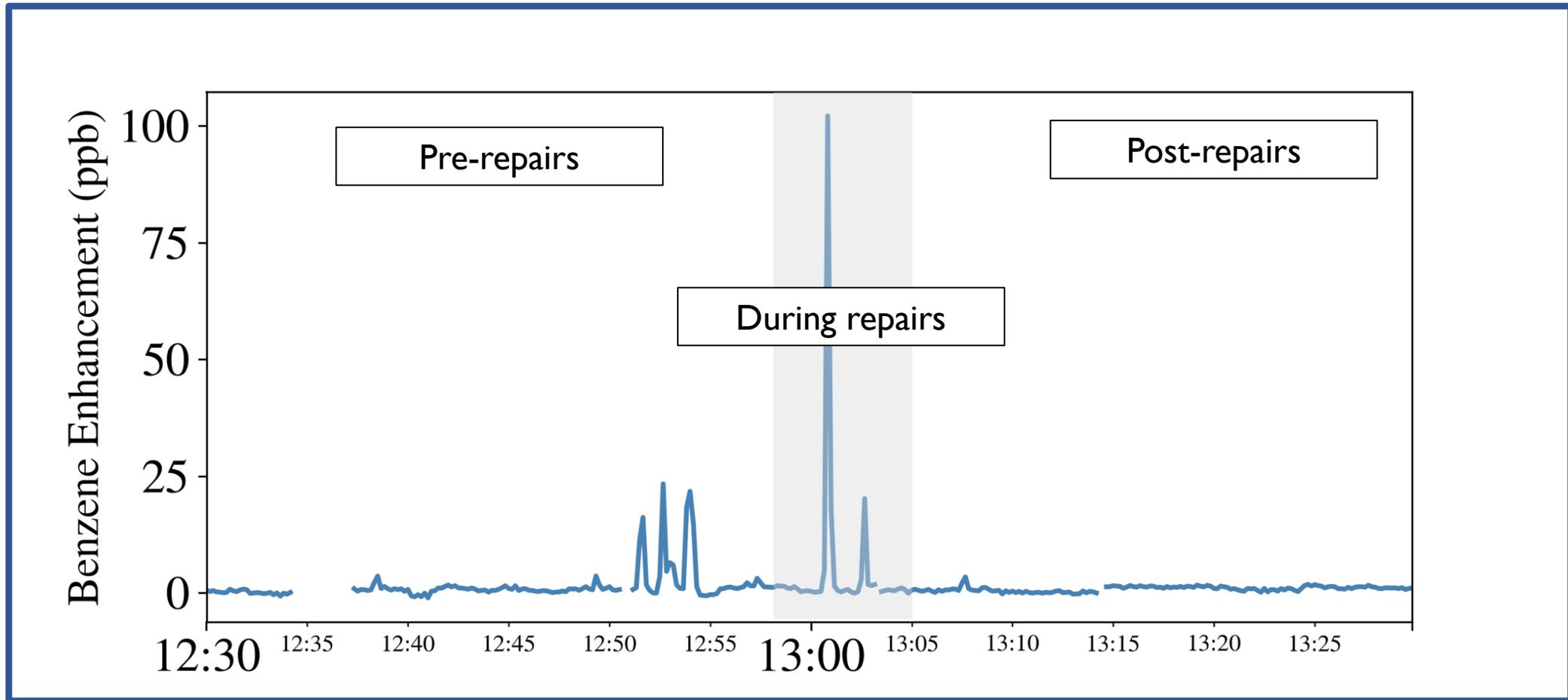


02/01/2022
Benzene maximum ~110ppb*##+



*Instantaneous readings during mobile survey
#Typical benzene range: 0.1 - 1.8 ppb
+Measured during repairs conducted at the site

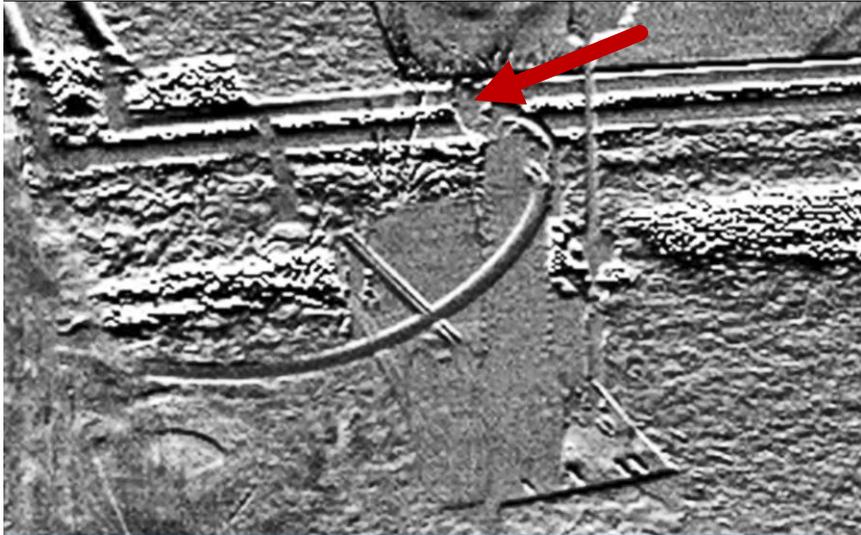
LINDEN AND SPRING OIL SITE FEBRUARY 01, 2022



*Instantaneous readings

#Typical benzene range: 0.1 - 1.8 ppb

LINDEN AND SPRING WELLS SUMMARY



FLIR video of unwanted emissions

Verification by
hand-held total
vapor analyzer

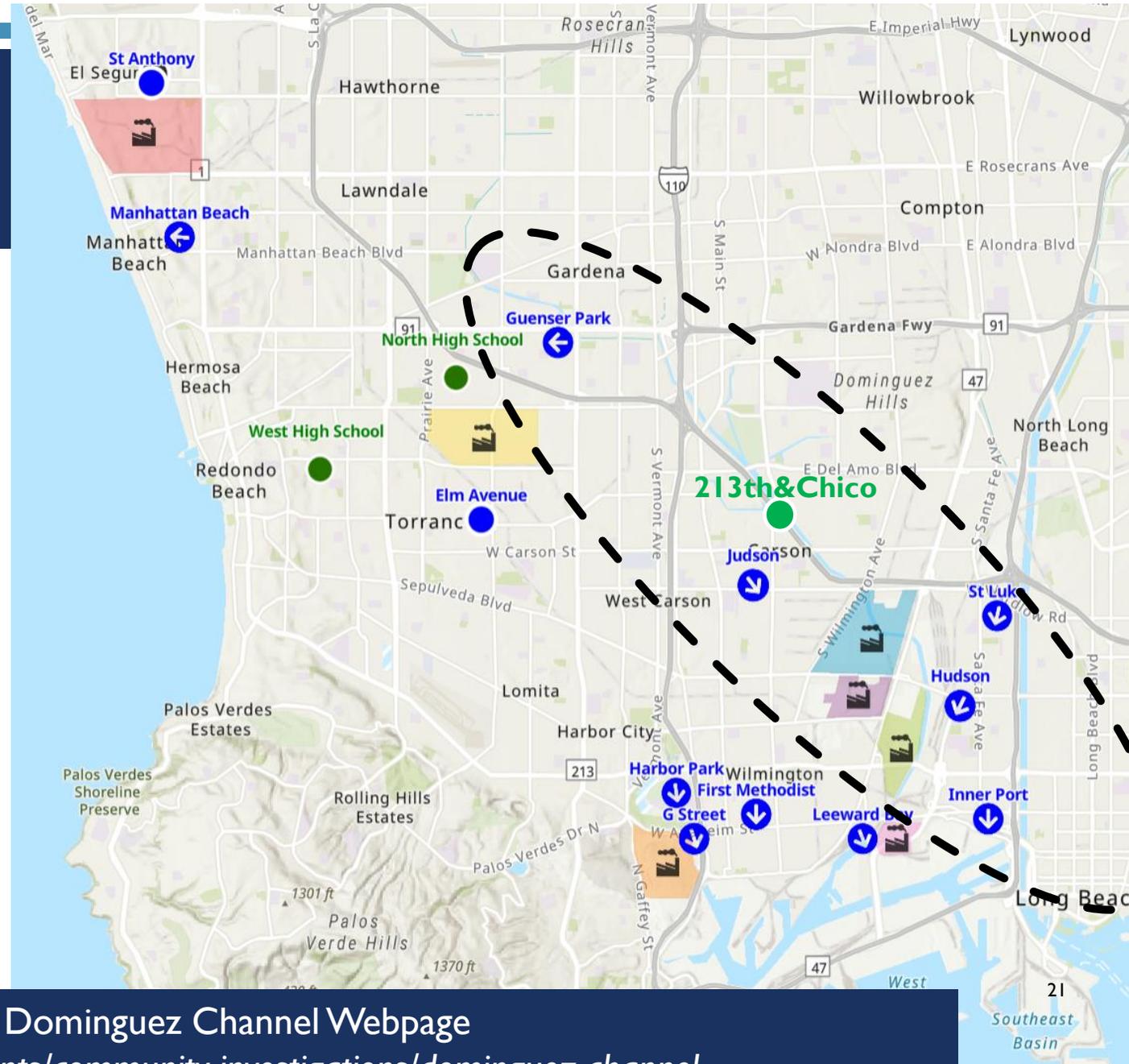


Picture of the compressor

- Elevated levels of VOC (Alkanes) and Benzene measured on 12/07/2021 and 02/01/2022
- Compliance staff conducted on-site inspections
- On 02/01/2022 pollutant concentrations were substantially reduced after repairs at the site were completed

CARSON H₂S ODOR EVENT RESPONSE

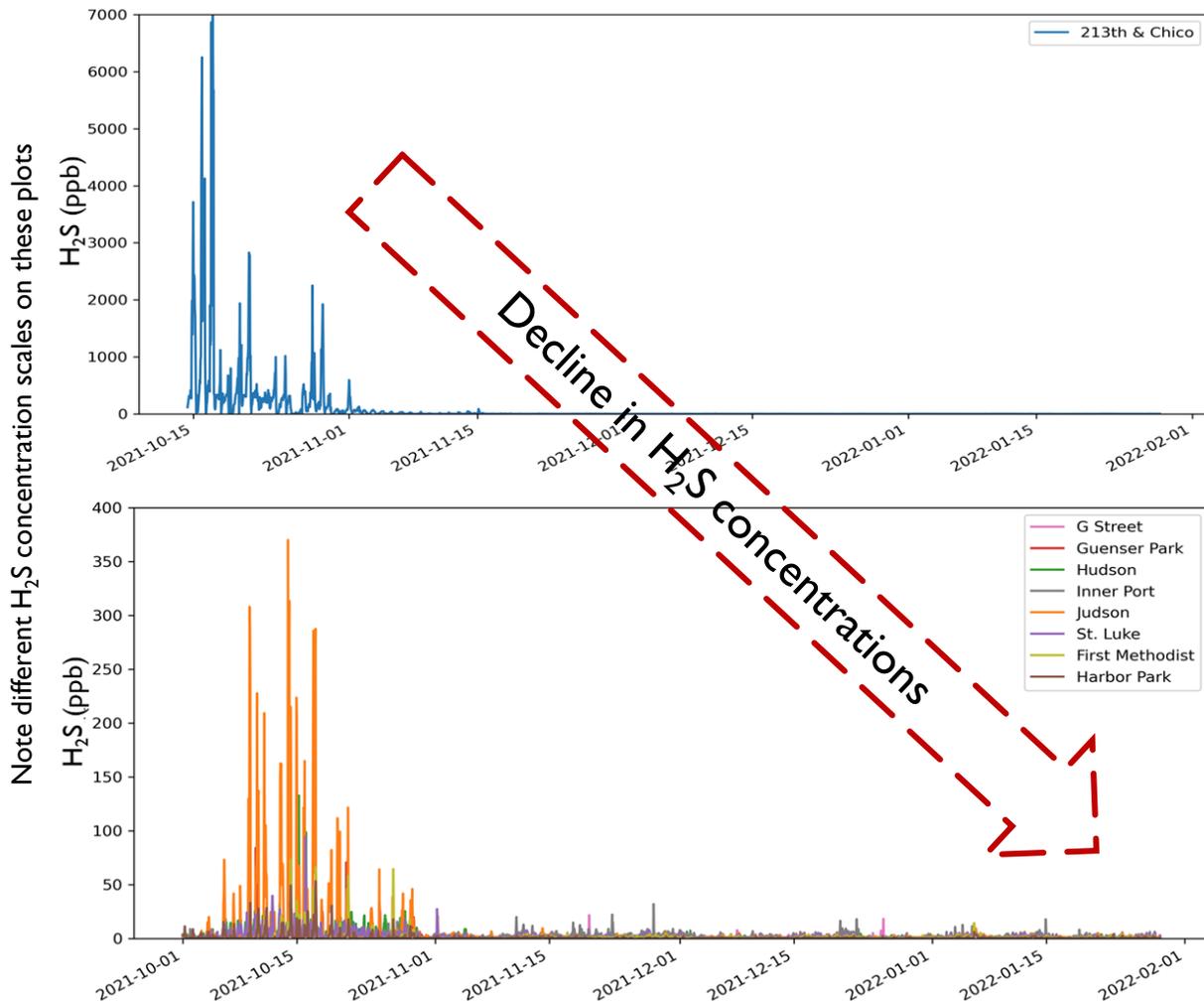
- **Rule 1180 Fenceline and Community Air Monitoring**
Continuous real-time measurements of H₂S, VOC's and other air pollutants
Automatic email notifications in case of increased air pollution levels
- **Additional 213th&Chico Air Monitoring Site**
Continuous real-time measurements of H₂S
October 14, 2021 through January 28, 2022
- **Mobile Monitoring**
- **Hand-held H₂S monitoring surveys**



South Coast AQMD Dominguez Channel Webpage

<https://www.aqmd.gov/home/news-events/community-investigations/dominguez-channel>

HOURLY H₂S MEASUREMENTS OCTOBER 2021 – JANUARY 2022



- Real-time H₂S monitoring at 213th & Chico site concluded on January 28, 2022
 - Historical data available on Rule 1180 data portal
- Continuous H₂S community and fenceline air monitoring is ongoing
 - Available in real-time on Rule 1180 data portal

REPORT ODORS TO SOUTH COAST AQMD

**There are
3 ways
to file:**



Call 1-800-CUT-SMOG
(1-800-288-7664)

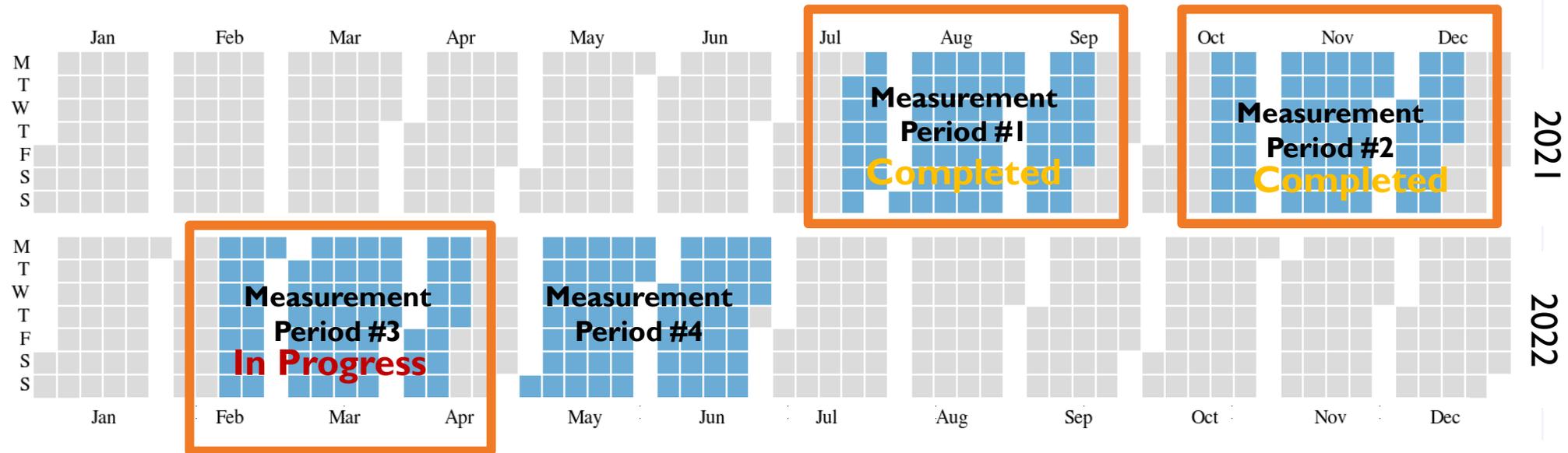


Visit www.AQMD.gov/Complaints



Download the South Coast AQMD app and select “1-800-CUT-SMOG”

BASELINE REFINERY EMISSIONS STATUS UPDATE



- Four 2-months measurement periods distributed over July 2021 through June 2022
 - Minimum of 23 days of measurements, 4-5 days of measurement days per refinery
 - Accurate wind profile measurements for each measurement day and for each corresponding refinery

DISCUSSION

- Comments, Suggestions, Questions

Please contact:
Olga Pikelnaya
opikelnaya@aqmd.gov
909-396-3157



CERP IMPLEMENTATION

ASSEMBLY BILL (AB) 617
COMMUNITY AIR INITIATIVES

COMMUNITY EMISSIONS REDUCTION PLAN

WILMINGTON, CARSON,
WEST LONG BEACH

SEPTEMBER 2019
FINAL



SOUTH COAST
AIR QUALITY MANAGEMENT DISTRICT



CERP COMMITMENTS

- Chapter 5c: Ports, Action 3

Continue developing Ports MOU





Proposed Rule 2304 Indirect Source Rule for Commercial Marine Ports

Status Update to the Wilmington,
Carson, West Long Beach (WCWLB)
Community Steering Committee

February 24, 2022

Ports ISR (PR 2304): Secure Further Emission Reductions from Port Sources

THE PORT OF LOS ANGELES Emissions Reductions (2005-2020)



- Emission reductions occurred mainly between 2005-2010 for most pollutants
- Record cargo throughput and port congestion in 2021 may have brought emission level back up to pre-2010 level

2020 AIR EMISSIONS INVENTORY



Ongoing Related Efforts to Further Reduce Port Related Emissions

**Regional
Air Quality
Management Plans
2007 / 2012 / 2016
& Upcoming 2022**

*Unsuccessful Ports
MOU Process (2016-22)*

**Ports Clean Air
Action Plans
2006 / 2010 / 2017**

**State Regulations
for Trucks, Terminal
Equipment, Harbor
Craft, Marine Fuel,
and Shore Power**

*Lack of Significant Federal
Action in Past Decade (e.g.,
Updating Engine Standards)*

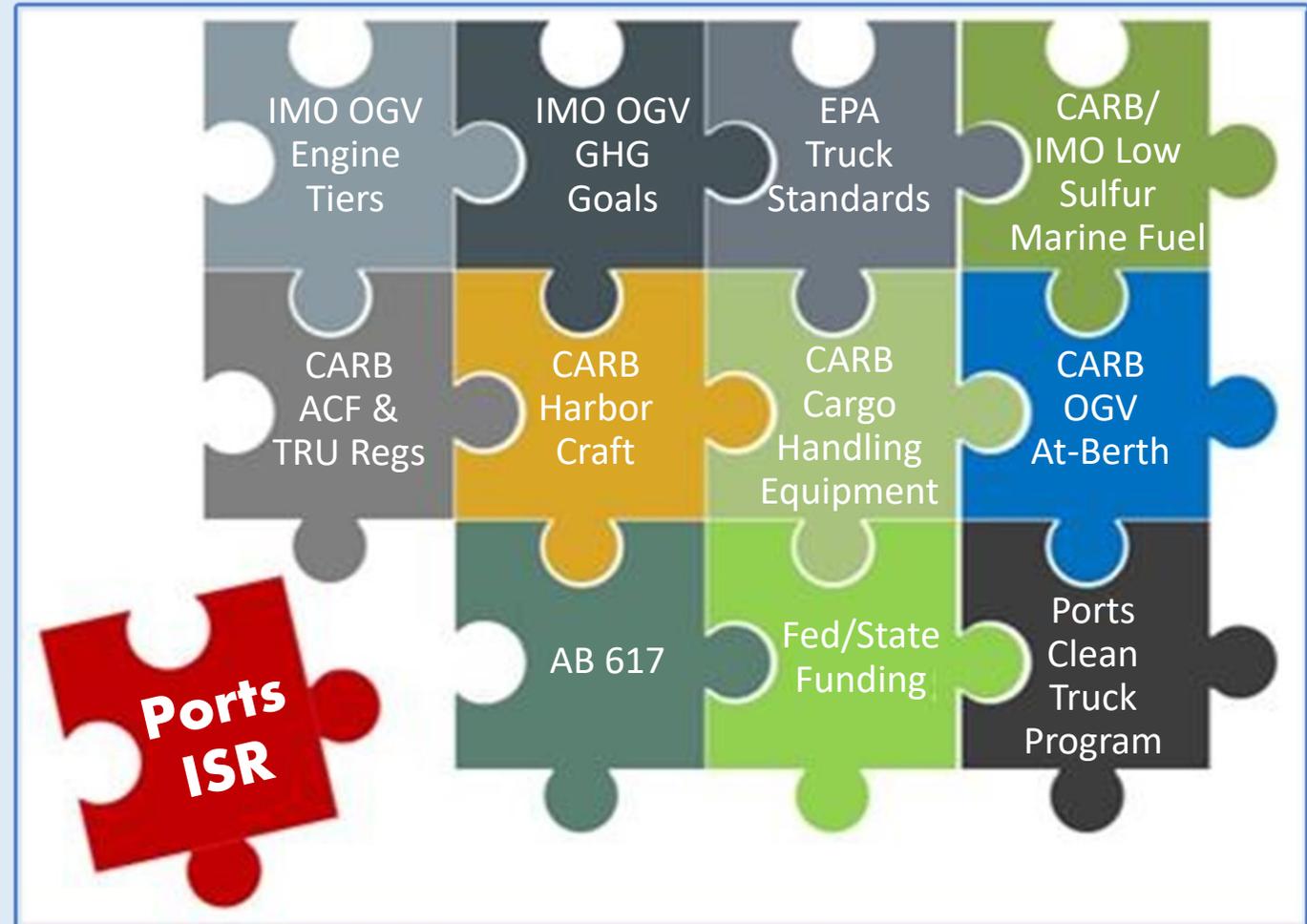
Warehouse ISR

*Limited Near-Term
Effectiveness of International
Measures, (e.g., IMO
Regulations for Ships)*

**ISR Rulemaking for
Marine Ports and
New/Existing
Railyards**

Role of Ports ISR

- Reduce emissions from port sources to assist in meeting federal and state air quality standards
- Reduce air quality impacts to near port communities



Overview of Rule Development Process

Stakeholder Input



Information Gathering and Analysis



Rule Development Concepts



Draft Proposed Rule Language and Staff Report



Governing Board Committee Review and Public Hearing



Opportunities for Public Engagement

For more information, visit:
www.aqmd.gov/fbmsm
(click into “Commercial
Marine Ports”)



Working Group Meetings

WGM No. 1 - Feb. 25 @1 PM (Virtual)



Individual Facility Meetings/ Site Visits



Meetings with Stakeholder Groups:

*Industry, Environmental, Labor, Community,
Other Public Agencies, etc.*



Public Comment at Public Workshop(s) and Public Hearing



Comment Letters: PortsISR@aqmd.gov

Key Considerations for Developing Port ISR Rule Concepts



PR 2304 Rulemaking Process

Ongoing Public Engagement

Mobile Source Committee meetings quarterly

Working Group meetings ~every two months

Feb
2022

Nov 2022 -
May 2023

Jan - Jul
2023

Feb - Aug
2023

Begin
Rulemaking

*Release
preliminary draft
rule language
and staff report*

*Release draft rule
language, staff report,
environmental and
socioeconomic
assessments*

Public
Hearing

Seeking Feedback from WCWLB CSC



Best approach to engage port-adjacent communities

– *time, format, audience, etc.*



Key considerations for Ports ISR development

– *community perspective*



Input for potential rule concept development

– *recommendation regarding any particular rule design, concept, etc.*

Staff Contacts

Proposed Rule 2304

William Senga
Air Quality Specialist
909-396-3094
Wsenga@aqmd.gov

Elaine Shen
Planning and Rules Manager
909-396-2715
Eshen@aqmd.gov

Ian MacMillan
Assistant Deputy Executive Officer
909-396-3244
Imacmillan@aqmd.gov

Sign up for the mailing list at: <https://www.aqmd.gov/sign-up> (select “Proposed Rule 2304”)
Email us at: PortsISR@aqmd.gov. For more information, visit: www.aqmd.gov/fbmsm (click into “Commercial Marine Ports”)

NEXT STEPS

Future Announcements

- Newsletters or emails
- Continue CERP implementation

Future Meeting

- Tentatively May 19, 2022 (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

Nicole Silva
Program Supervisor
nsilva@aqmd.gov
909-396-3384

- CSC

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

- CAMP

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