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
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
UPDATE ON COMMUNITY AIR MONITORING IN WCWLB

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

Region D
Region E
Region F
## Mobile Monitoring Near Oil Well

### Summary of Identified Hot Spots

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

~350 Oil Wells Surveyed
REGION F

FINDINGS

Active Wells

Total Alkanes enhancement (ppb)

*Instantaneous readings during mobile survey

Linden and Spring
Up to ~4,400 ppb

28th and Olive
Up to ~20,000 ppb

Example of mobile survey conducted on 12/07/2021
28TH AND OLIVE OIL SITE VOC

- 12/07/2021: Maximum ~20,000 ppb*
- 01/12/2022: Maximum ~8,700 ppb*
- 02/01/2022: Maximum ~780 ppb*

*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
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**

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

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

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

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

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

02/01/2022
Benzene maximum ~110ppb##+
LINDEN AND SPRING OIL SITE
BENZENE

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Benzene Maximum</th>
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</thead>
<tbody>
<tr>
<td>12/07/2021</td>
<td>~14ppb**#</td>
</tr>
<tr>
<td>01/12/2022</td>
<td>~5ppb**#</td>
</tr>
<tr>
<td>02/01/2022</td>
<td>~110ppb**##+</td>
</tr>
</tbody>
</table>

*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

Pre-repairs

Post-repairs

During repairs

Instantaneous readings

Typical benzene range: 0.1 - 1.8 ppb
LINDEN AND SPRING WELLS
SUMMARY

- 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

Verification by hand-held total vapor analyzer

FLIR video of unwanted emissions

Picture of the compressor
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
Real-time $\text{H}_2\text{S}$ monitoring at 213th & Chico site concluded on January 28, 2022

- Historical data available on Rule 1180 data portal
- Continuous $\text{H}_2\text{S}$ 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”
Base Line 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
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

- 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
Ongoing Related Efforts to Further Reduce Port Related Emissions

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

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

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

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

**Unsuccessful Ports MOU Process (2016-22)**

**ISR Rulemaking for Marine Ports and New/Existing Railyards**
- Lack of Significant Federal Action in Past Decade (e.g., Updating Engine Standards)

**Ports Clean Air Action Plans**
- 2007 / 2012 / 2016 & Upcoming 2022
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

- Information Gathering and Analysis
- Rule Development Concepts
- Draft Proposed Rule Language and Staff Report
- Governing Board Committee Review and Public Hearing

Stakeholder Input
Opportunities for Public Engagement

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

For more information, visit: www.aqmd.gov/fbmsm (click into “Commercial Marine Ports”)
Key Considerations for Developing Port ISR Rule Concepts

- Air Quality & Public Health
- Industry Business Models
- Limitations of ISR Authority
- Timing of Technology Availability
- Impact on Jobs
- Community Input
PR 2304 Rulemaking Process

Ongoing Public Engagement

Mobile Source Committee meetings quarterly

Working Group meetings ~every two months

Begin Rulemaking

Feb 2022

Release preliminary draft rule language and staff report

Nov 2022 - May 2023

Jan - Jul 2023

Feb - Aug 2023

Public Hearing

Release draft rule language, staff report, environmental and socioeconomic assessments
Seeking Feedback from WCWLBCSC

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

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
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</tr>
</tbody>
</table>

Sign up for the mailing list at: [https://www.aqmd.gov/sign-up](https://www.aqmd.gov/sign-up) (select “Proposed Rule 2304”)  
Email us at: PortsISR@aqmd.gov. For more information, visit: [www.aqmd.gov/fbmsm](http://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

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