AB 617:
SAN BERNARDINO / MUSCOY

CO-HOSTS:
ANGIE BALDERAS
DANIEL WONG

4th Quarter - 2021
RESIDENT TESTIMONIAL

Jason Martinez
Resident of San Bernardino
CERP & CAMP IMPLEMENTATION

UPDATE – 4TH QUARTER 2021

San Bernardino, Muscoy
November 17, 2021
COMMUNITY EMISSIONS REDUCTION PLAN (CERP) IMPLEMENTATION

- PR 2306 – Rail Indirect Source Rule
- Draft In-Use Locomotive Regulation (CARB)
PR 2306 – Rail Indirect Source Rule
South Coast Air Quality Management District

Proposed Rule 2306 - Indirect Source Rule for New Intermodal Facilities

COMMUNITY STEERING COMMITTEE
NOVEMBER 2021
Background

- 2016 AQMP included control measure MOB-02: Rail Yard and Intermodal Facilities
- Goal of MOB-02 is to assist in implementing the State SIP Strategy “Further Deployment of Clean Technologies” measures In May 2018 the South Coast AQMD Governing Board directed staff to initiate rulemaking for MOB-02
- AB 617 requires air agencies to identify priorities and actions to reduce toxic air contaminants and criteria pollutants in disproportionately affected communities
- Emissions from railyards have been identified as areas of concern and an air quality priority in the CERPs in four of the AB 617 communities
Proposed Rule 2306 – Indirect Source Rule for New Intermodal Facilities

- PR 2306 is designed to partially implement MOB-02 by focusing on new intermodal facilities
- In general, new intermodal facilities include new facilities where locomotives and truck transportation modes are used for conveying goods
- Through the rulemaking process staff will work with stakeholders to identify criteria to identify new intermodal facilities that would be applicable to PR 2306
- Considerations include:
  - Number of containers moved
  - Potential emissions related to federal NO2 standards, attainment of federal ambient air quality standards, and/or general conformity
  - Proximity to Environmental Justice communities
Overview of Rule Development Process

- Information Gathering and Analysis
- Rule Development Concepts
- Draft Proposed Rule Language
- Public Workshop
- Public Hearing

Working Group Meetings
About PR 2306 Working Group Meetings

Includes all environmental and community representatives, businesses, agencies, equipment vendors

Objective is to build consensus and to work through key issues through communication

All information about PR 2306 and Working Group Meetings is on website at: PR 2306 - Indirect Source Rule for New Intermodal Facilities (aqmd.gov)

Working Group Meetings held general once every one to two months
There are two new proposed intermodal facilities:

- Freight Component of the California High-Speed Rail Project in Colton
- Southern California International Gateway ("SCIG") by the Port of Los Angeles

Both facilities would be operated by Burlington Northern Santa Fe ("BNSF") and are currently under environmental review.

Unique opportunity exists now to ensure that these new proposed intermodal facilities:

- Implement the cleanest technologies feasible
- Incorporate infrastructure to support zero emission technologies
- Include measures that minimize air quality and public health impacts
- Address community air quality priorities identified in CERPs
Communities Near Colton Intermodal Facility

- Communities immediately northeast and east of the facility all score in the top 95th percentile, meaning they experience the greatest pollution burden compared to other areas in the state.
- 45,600 residents, one hospital, and ten schools are within a one-mile radius.
  - Average 69% of population are reported to be below the poverty level.
  - Average 77% of population are Hispanic or African American.
- 18,100 residents are located in census tracts within 1,000 feet of the proposed facility boundaries.

Communities Near SCIG³

- Multiple communities within a one-mile radius score in the top 95th percentile
  - Communities experience the greatest pollution burden compared to other areas in the state
  - One community to the immediate east of the proposed facility score in the top 99th percentile

- 50,200 residents, seven schools and a Veteran Housing Facility are within a one-mile radius from the facility

- 12,000 residents are located in census tracts within 1,000 feet of the proposed facility boundaries

- Average 71% of population are reported to be below the poverty level

- Average 61% of population are Hispanic or African American

³ South Coast AQMD Staff, ArcGIS and CalEnviroScreen 3.0 tool. June 2021
Need for PR 2306

Minimize emissions from equipment used at New Intermodal Facilities

Minimize Public Health Impacts to Surrounding Environmental Justice Communities from New Intermodal Railyards

Ensure Project Will Not Interfere with Attainment of Federal Air Quality Standards

Ensure Project will Meet Federal Conformity Requirements
Next Steps

- Third Working Group Meeting scheduled for Wednesday, December 8th, 2021 at 10:00 AM
- Will continue Working Group Meetings
- Public Hearing tentatively scheduled for third quarter of 2022
# Staff Contacts

## General Questions

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## Proposed Rule 2306

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Sign up for the mailing list at: [http://www.aqmd.gov/sign-up](http://www.aqmd.gov/sign-up) (select Rule 2306)
Draft In-Use Locomotive Regulation (CARB)
Draft In-Use Locomotive Regulation

November 17, 2021
Locomotives
Reduce older engine use
Reduce Idling

Cargo Handling Equipment
Transitioning to ZE

Forklifts
Transitioning to ZE

Truck Fleets
Transitioning to ZE

Drayage Trucks
Transitioning to ZE

TRUs
Transitioning to ZE
Previous Class 1 Railroad Agreements

- 1998 Locomotive NOx Fleet Average Emissions Agreement in the South Coast Air Basin – through 2030
- 2005 Statewide Railyard Agreement - Completed
  - HRAs, CARB diesel, and idling
Cancer Risk From Locomotives

Average Risk within 1 Mile of the Railyard

- Railyard A
  - 2005: 45-50%
  - 2020: 96%
  - 2040: (data not shown)

- Railyard B
  - 2005: 45-50%
  - 2020: 96%
  - 2040: (data not shown)
### Locomotives

**New Regulation for Board Consideration in 2022**

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<th>Switcher</th>
<th>Passenger</th>
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- No current California regulation for locomotives
- A California regulation is needed to provide emissions reductions in rail communities
- CARB staff regulatory concepts (still in development):
  - Spending Account
  - In-Use Operational Requirements
  - Idling Limit
  - District Level Reporting
Spending Account

Tier 0 $$$$$
Tier 1 $$
Tier 2 $$$
Tier 3 $$
Tier 4 $
Zero Emission $Credit$

Trust Fund

Tier 4 & Cleaner $
<2030$
2030+
Zero Emission
In-Use Operational Requirements

• Can operate over 23 years if it meets requirements
More Information

- **Website:** [https://ww2.arb.ca.gov/our-work/programs/reducing-rail-emissions-california](https://ww2.arb.ca.gov/our-work/programs/reducing-rail-emissions-california)

- **Contact:** Layla.Gonzalez@arb.ca.gov or Freight@arb.ca.gov
AB 617: SAN BERNARDINO / MUSCOY

San Bernardino, Muscoy
November 17, 2021

LOCAL SENSOR NETWORK & DATA DASHBOARD

Vasileios Papapostolou, ScD
Program Supervisor
Network provides additional local data

Aeroqual AQY measures:
- PM$_{2.5}$ & PM$_{10}$
- O$_3$ & NO$_2$
- Temperature
- Humidity

A network management tool is used to track sensor health and conduct maintenance as needed to ensure proper function of sensors

**AB 617 SBM Community Boundary**
All sites selected by Community Members
Most Sensors Installed by Community Members

Additional sites to be added (e.g., Mescal)
A Dashboard has been created to support data access and analysis for this Aeroqual AQY sensor network.

Tool is in beta (or testing) phase.

Using this tool, you can:

- View current data on a map
- View current data in plots
- View historical data in plots
- Download data

https://aqportal.aqmd.gov/public/index

Available on 11/17
AQY DATA DASHBOARD

BETA version for review b/w 11/17 - 12/1
Video Tutorials: four brief tutorials (1) introducing the tool, (2) explaining the map, (3) describing the data analysis tools, and (4) highlighting other features available, can be found at the link below under the section “Data Dashboard Viewing”


User Guide: includes background information, “how to” for all plots and features, and questions to guide your analysis


Additional Information on the Aeroqual sensor networks


User Survey: please use this to share feedback (until 12/1) on the data dashboard which may then be optimized, finalized and released

- [https://forms.office.com/g/tHShz9w6ZG](https://forms.office.com/g/tHShz9w6ZG)
WANT TO LEARN MORE?

- Please get in touch

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Aclima Update
Future Agenda Items & CSC Member Updates
PUBLIC COMMENT / COMENTARIO PÚBLICO

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For more information, questions, or suggestions after this meeting:
Para más información, preguntas o sugerencias después de esta reunión:

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