

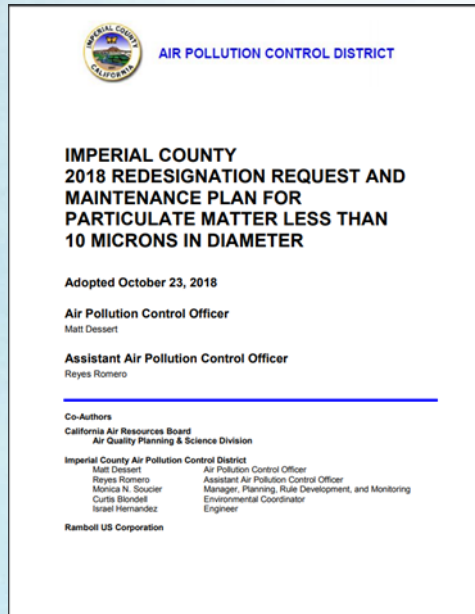


# **2018 PM10 Maintenance Plan for Imperial County**

December 13, 2018

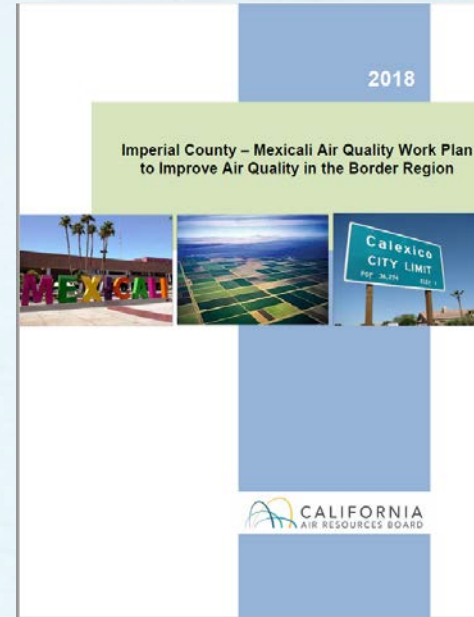
# Outline

## Federal Requirements



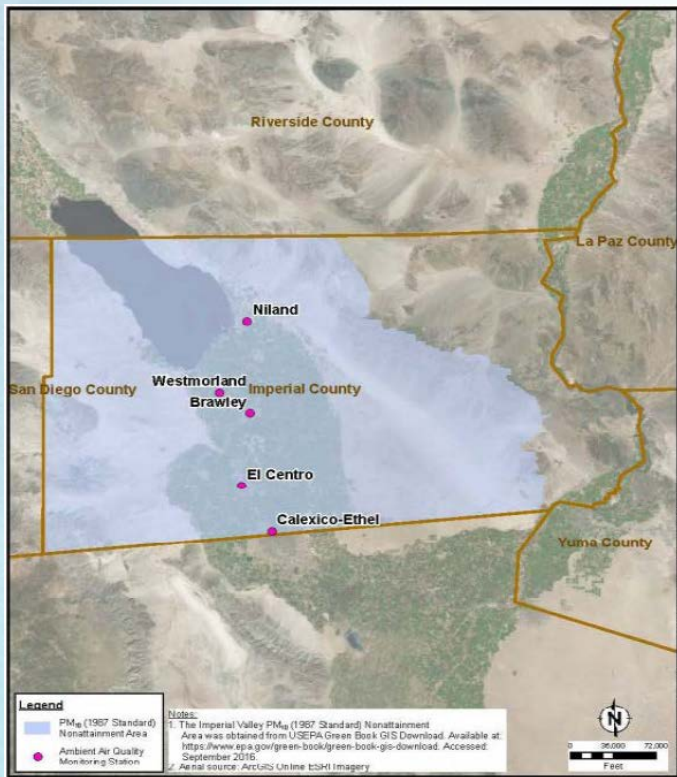
2018 PM10 Maintenance  
Plan for Imperial County

## Additional Actions



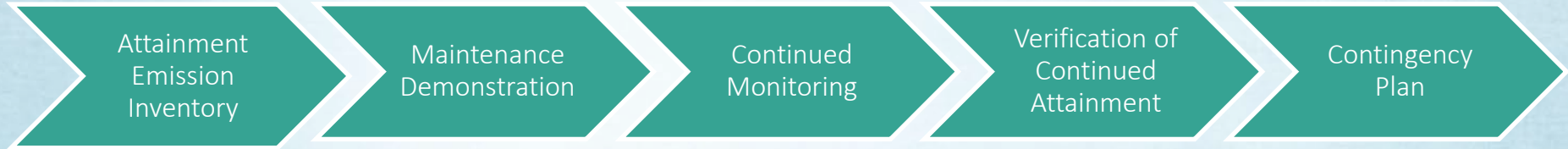
Draft Imperial County – Mexicali  
Air Quality Work Plan

# Imperial County PM10 Nonattainment Area



# Clean Air Act Requirements

## Maintenance Plan



## Redesignation Request



# Exceptional Events

- Affects air quality
- Not reasonably controllable or preventable
- Act allows exclusion
- Examples:
  - Wildfire
  - Windblown Dust



# Imperial PM10 Exceedances

- About 15 high wind natural events per year
- Thorough CARB analysis
- 30-day public review provided
- Plan demonstrates Imperial County attained PM10 standard when high wind natural events are excluded

## Recent Exceedances

- Imperial still meets the standard based on preliminary evaluation
- District will assess air quality quarterly to analyze exceedances and allow for quicker evaluation of the events and sources

# Mitigating Impact from High Wind Dust Events

- Prompt public notification
  - District website (forecasts, monitor real-time photos, advisories)
  - [www.imperialvalleyair.org](http://www.imperialvalleyair.org) (PM and ozone air quality alerts and forecasts via web, email, and text)
- Education on actions individuals can take to reduce exposure

## Be Advised

High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.


# District Efforts to Reduce Dust Impact

- Evaluate Fugitive Dust Regulations
- Upgrade air filtration systems at schools using penalties
- Pave dirt lots at schools and fund school buses using development fees
- Use FARMER incentives to replace agricultural equipment
- Develop strategies to reduce impact from off-road areas
- Expand education and awareness on air quality
- Collaborate on dust control research/testing at the Salton Sea



# Maintenance Plan

- Plan addresses Clean Air Act requirements
- High wind natural events are considered when determining attainment status
- More needs to be done to mitigate dust impacts during these events



**AIR POLLUTION CONTROL DISTRICT**

**IMPERIAL COUNTY  
2018 REDESIGNATION REQUEST AND  
MAINTENANCE PLAN FOR  
PARTICULATE MATTER LESS THAN  
10 MICRONS IN DIAMETER**

**Adopted October 23, 2018**

**Air Pollution Control Officer**  
Matt Dessert

**Assistant Air Pollution Control Officer**  
Reyes Romero

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**Co-Authors**  
California Air Resources Board  
Air Quality Planning & Science Division

**Imperial County Air Pollution Control District**  
Matt Dessert Air Pollution Control Officer  
Reyes Romero Assistant Air Pollution Control Officer  
Monica N. Souder Manager, Planning, Rule Development, and Monitoring  
Curtis Bonfield Environmental Coordinator  
Israel Hernandez Engineer

Ramboll US Corporation

# Draft Imperial County – Mexicali Air Quality Work Plan



# Draft Work Plan Development

May 2018: Board directed staff to develop Work Plan

- Address air quality issues on both sides of the border
- Work with colleagues in Mexicali and Imperial County
- Turn emission reduction ideas into actions

# Imperial County – Mexicali Air Quality Work Group Members

## Federal and State Agencies

- U.S. EPA Region 9
- Cal EPA
- CARB

## Imperial County Agencies

- Imperial County Air Pollution Control District
- Coalition of Labor Agriculture and Business
- Imperial Irrigation District
- Imperial County Transportation Commission
- Imperial County Public Health Department
- Calexico Unified School District

## Baja California Agencies

- Secretary of Environmental Protection for the State of Baja California
- Environmental Protection Directorate of the Municipality of Mexicali

## Community Groups

- Comite Civico del Valle
- OBSER BC



# Overview of Draft Work Plan

Reflects the input of a coalition of government agencies, industry representatives, and environmental groups on both sides of the California-Mexico border

Blueprint of priority actions recommended to improve air quality in the border region

Goal is to foster ongoing collaboration and solution building so all residents in this border region can breathe cleaner air

# Work Plan Development Process

- 4 workgroup meetings in Calexico
- Brainstorm on ideas to reduce PM
- Workgroup focused on 10 priority areas
- Draft shared on October 17, 2018
  - Comments received until November 16, 2018
- Continuation of workgroup meetings to track progress necessary

# Draft Work Plan Actions Initiated

- Public Education and Awareness
  - Air quality alerts and forecasting for Mexicali started
  - Winter media campaign jointly developed by the District and City of Mexicali
- Enhanced PM monitoring in Mexicali
  - 50 PM sensors provided to Mexicali for enforcement
  - Continuing regulatory PM2.5 monitoring in Mexicali in process
- Reduce unpaved road emissions in Mexicali
  - City of Mexicali allocated \$5 million to pave dirt roads
- Improve border region emission inventory
  - Emission inventory contract for Baja California started

# Future Actions and Recommendations

## Near term actions

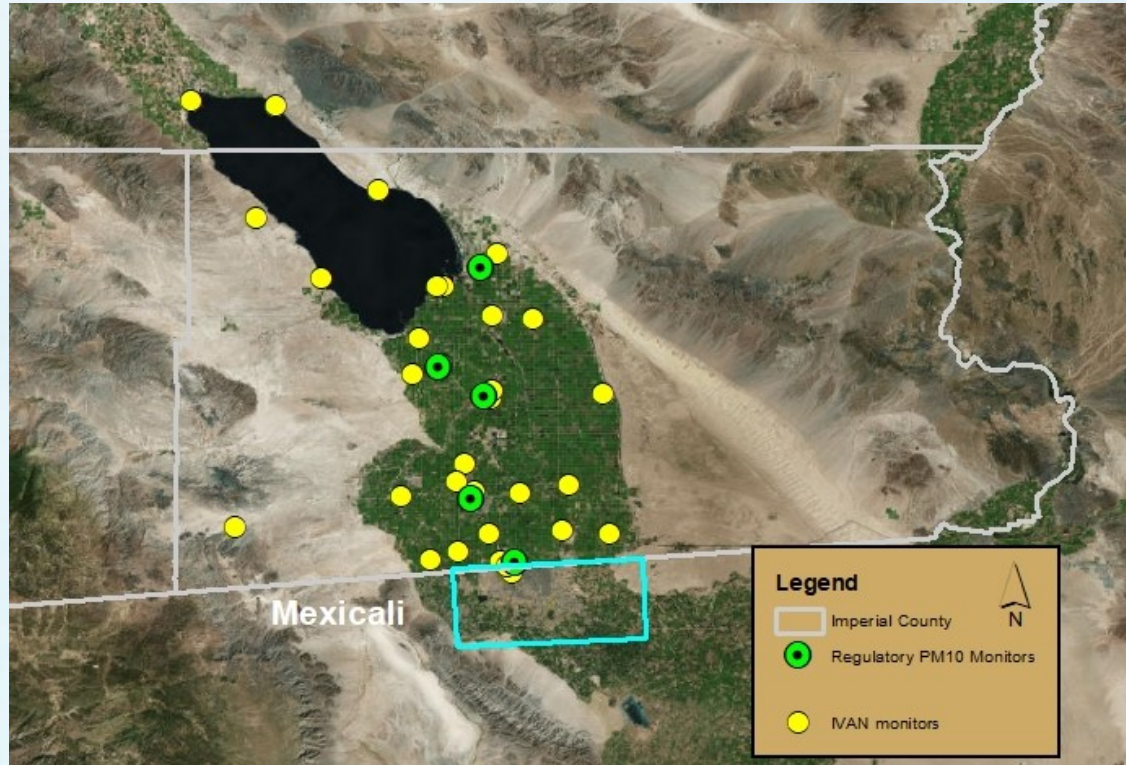
- Increase District outreach
- Evaluate District dust regulations including off highway vehicle areas
- Mitigate Salton Sea dust
- Enhance District agricultural burning policy
- Evaluate District enforcement program

## Long term recommendations - need further discussion

- Tighten vehicle inspection programs in Mexicali and Imperial
- Evaluate border crossing emissions
- Establish agricultural burning program in Mexicali



# PM Monitoring Network in Imperial County



# Staff Recommendation

Imperial County Maintenance Plan meets applicable requirements of the Clean Air Act

- Approve Imperial County Maintenance Plan as a revision to the California SIP
- Commitment to continue collaborative efforts with the community, District, U.S. EPA and counterparts in Mexico on the draft Work Plan
- Update Board annually on draft Work Plan implementation and air quality trends