

An aerial photograph of a coastal city, likely Wilmington, California, showing a mix of urban development, green spaces, and a harbor area. The city is situated between a large body of water and a range of rugged, green mountains. The text is overlaid on the image.

Harbor Communities Monitoring Meeting

August 1, 2007

Wilmington Senior Center

1371 Eubank Street
Wilmington, CA 90744
6:00 p.m. – 8:30 p.m.

Agenda

- **Introductions**
- **Brief overview of CARB's Harbor Communities Monitoring Studies**
- **Status reports**
 - o **Desert Research Institute Air Quality Study**
 - o **UCLA Mobile Platform Study**
 - o **USC Ultra-fine Particle Count Study**

 - o **UCLA Truck Activity Study**
 - o **SCAQMD, Port of LA, and Port of LB ambient sampling**
- **General discussion - Q&A**
- **Technical discussion - Q&A**

Overall Goal of Harbor Communities Monitoring Study (HCMS)

“To develop improved technical tools for assessing the spatial variability of pollutant concentrations within communities.”

“Improved” primarily means better spatial resolution, better detection sensitivity, or finer temporal resolution than traditional fixed-site monitors

Why Greater Wilmington Area?

- **Insights from previous monitoring efforts**
- **Variety of pollutant sources**
 - **Refineries**
 - **Port-related activities (ships, trains, trucks); port volume expected to triple by 2020**
 - **Power plants**
 - **Small facilities (e.g., chrome plating, auto body shops)**
- **Active community groups**

Components of HCMS

CARB

DRI – Saturation Study

UCLA – Mobile Platform Study

USC – Ultra-Fine Particle Count Study

staff - meteorological data support

Collaborators

Port of Long Beach

Port of Los Angeles

SCAQMD

UCLA – Truck Activity Study

Sampling Schedule

- DRI – 20+ sites, 4 seasons, 4 weeks/season
- UCLA – mobile platform, winter/summer
12-15 days (am/pm) per season
- USC – 12+ sites, continuous (~March – November)

HCMS Website

<http://www.arb.ca.gov/research/mobile/hcm/hcm.htm>

HCMS Contact

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Status Reports

- DRI – Saturation Study
- UCLA – Mobile Platform Study
- USC – Ultra-Fine Particle Count Study
- UCLA – Truck Activity Study
- CARB – Other Monitoring
(SCAQMD, Port of LA, Port of LB)

General Questions

Technical Questions