Update on the West Oakland Diesel Exhaust Particulate Matter Assessment – Parts 1 and 2

Gregory Harris
Air Resources Board
Part 1 – Sources Included from Maritime Port of Oakland

- Ocean Going Vessels (main and auxiliary)
- Harbor Craft
- Cargo Handling Equipment
- Trucks
- Locomotives (at BNSF)
Part 1 - Background and Status

- Originated from Goods Movement activities (Good Movement Plan website http://www.arb.ca.gov/gmp/gmp.htm)

- Currently finalizing emission inventory and spatial allocations

- Port of Oakland/Contractors prepared emissions with ARB input

- Draft Emissions Methodology on ARB website at (http://www.arb.ca.gov/ch/communities/ra/westoakland/westoakland.htm)

- Air Dispersion Modeling starts April - Anticipated to take 2 to 3 months using multiple computers
Part 1 - ARB Contacts

Carolyn Suer – 916.327.5985  
(csuer@arb.ca.gov)

Bonnie Soriano – 916.322.6888  
(bsoriano@arb.ca.gov)
Part 2 - Background and Status for Union Pacific Rail Yard

- Part of agreement to perform HRA at 16 rail yards statewide.
- Spring 2007 – 9 rail yard HRAs will be completed (includes Richmond).
- December 2007 – remaining 7 HRAs will be completed
- UP Oakland accelerated to mid-2007
- All results for UP Oakland will be folded into West Oakland HRA
- Emission inventory and air dispersion modeling is ongoing
Part 2 - Draft Diesel PM Estimated Emission Proportions at UP Oakland

- Locomotives: 1/3rd
- Diesel Trucks: 1/6th
- Cargo Handling Equipment: 1/6th
- Off-Road Equipment and TRUs: 1/3rd
- Stationary/Point Sources: 1/100th
Part 2 - Contacts

- **Harold Holmes**, Manager, Engineering Evaluation Section
  - (916) 324-8029; hhomes@arb.ca.gov

- **Eugene Yang, Ph.D., P.E.**
  - HRA Emission Inventories
  - (916) 327-1510, eyang@arb.ca.gov

- **Jing Yuan, Ph.D.**
  - Air Dispersion Modeling and HRA
  - (916) 322-8875, jyuan@arb.ca.gov

- **ARB Rail Yard HRA Website:**
  - http://www.arb.ca.gov/railyard/hra/hra.htm
Draft Timeline

- Draft emission inventory, modeling, and overview will be released for public review

- Draft Emission Inventory – April 2007

- Draft Air Dispersion Modeling results – mid to late 2007

- Draft Overview Report – mid to late 2007