



California Regional Water Quality Control Board

Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

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Technical Advisory Committee

TMDLs for the Dominguez Channel, and Los Angeles

and Long Beach Harbors

September 13, 2007, 9:00 am - 12:00 pm

Port of Long Beach Administration Building
925 Harbor Plaza, 5th Floor Training Room, Long Beach, CA 90802

Teleconference Number: 1-866-270-2016
Password: 0913

AGENDA

- I. Welcome – LB Nye, Los Angeles Regional Board
Rebecca Christmann, Los Angeles Regional Board
Peter Kozelka, US Environmental Protection Agency
- II. Water Quality Model. *John Hamrick, Tetra Tech*
- III. What If Discussion. *LB Nye and Rebecca Christmann, Regional Board*
- IV. Update: Organochlorines in Dominguez Channel. *Steve Carter, Tetra Tech*
- V. Update: Draft Problem Statement. *Peter Kozelka, USEPA*
- VI. Questions/discussion.

California Environmental Protection Agency



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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

**Meeting Summary--Technical Advisory Committee
TMDLs for the Dominguez Channel,
Los Angeles and Long Beach Harbors
September 13, 2007 from 9:00am - 12:00pm**

I. Attendees:

LB Nye	LARWQCB
CP Lai	LARWQCB
Rebecca Christmann	LARWQCB
Peter Kozelka	USEPA
John Hamrick	Tetra Tech
John Craig	Tetra Tech
Steve Carter	Tetra Tech
Ken Schiff	SCCWRP
Andrew Jirik	Port of Los Angeles
Kathryn Curtis	Port of Los Angeles
David Cannon	Everest Int'l Consultant (POLA)
Matt Arms	Port of Long Beach
James Vernon	Port of Long Beach
Rick Cameron	Port of Long Beach
Steve Butkus	Weston Solutions (Consultant POLB)
Garret Williams	Weston Solutions (Consultant POLB)
Zora Baharians	City of Los Angeles Public Works
Ron Vaughan	ExxonMobil
Lial Tischler	Tischler/Kocurek (Consultant ExxonMobil)
Alex Steele	LACSD
Herbert Vogler	Kleinfelder, Inc.
Patricia Elkins	City of Carson/Dominguez Watershed Chair
Kirsten James	Heal the Bay
On the Telephone:	
Arthur Shak	US Army Corps of Engineers

II. Water Quality Model. John Hamrick, Tetra Tech, Inc.

- The model utilizes a generic EFDC modeling system with a large boundary area to avoid interference.
- Identified a need for TSS data in the mid-water column for model development.
- The model was initialized for sediment transport by using sediment bed physical property data. Data from inside the breakwater prior to 1998 was not used (slide 9).
- The model was initialized for contaminant transport and fate by using sediment bed metals and organic concentrations. Data from inside the breakwater prior to 2000 was not used (slide 9).



- There may be a problem with the model initialization if older sediment data is used that represents sediment that has been dredged.
- The model will be able to evaluate relative difference between scenarios.
- The model will not be able to predict absolute concentrations over time and space.
- Presentation posted on the Regional Board website. Please note that on Slide 5, the last line of the third bullet should read "Pore Water DOC"

III. Draft Atmospheric Deposition Presentation. Ken Schiff, SCCWRP

- SCCWRP conducted a dry metal deposition study along a coastal transect from Santa Barbara to San Diego. Data from eight sites were sampled and compared with data from 1970.
- The report *Metal Dry Deposition Rates Along A Coastal Transect In Southern California* by Sabin and Schiff (2007) can be accessed on the SCCWRP web site at <http://www.sccwrp.org/pubs/techrpt.htm>
- Air, water, and sediment concentrations of organics (DDT, PCB, PAH, chlordane, and other pesticides) were collected at four sites. The data was used to calculate air-water flux rates and water-sediment flux rates. SCCWRP is drafting the technical report.
- Peter Kozelka requested further PAH analysis for sediment/water flux for individual compounds (e.g. pyrene, phenanthrene, and benzo[a]pyrene).
- Draft presentation posted on the Regional Board website.

IV. What If Discussion. LB Nye, Regional Board

- Are there any other hot spots in the Harbors besides Consolidated Slip?
- Determine the relative pollutant contributions from dry- verses wet-weather.
- Determine the dry- and wet-weather sources.
- Evaluate feasibility of source control measures.
- Implementation option: Dredging Hot Spots.
- In the next 5 to 10 years the Ports will be expanding. Therefore, some capping of areas of concern may occur (i.e. Fish Harbor). There may also be slip filling and capping of contaminated sediment. How will these planned activities affect the pollutant loading in the Harbor?
- What are the regular O&M activities in the Ports? How will these activities affect the pollutant loading?

V. Update of draft Problem Statement. Peter Kozelka, USEPA

- There may be some changes from the 2006 303(d) list with regards to the higher molecular weight PAHs.

VI. Update: Organochlorines in Dominguez Channel. Steve Carter, Tetra Tech

VII. Questions/Discussion

- How will the two models, which are operating on different time frames, be linked in order to combine the models?



- Will the data from the 2006 Benthic Community Effects Study be used for TMDL development?

Action Items

- Workgroup meeting to discuss the exclusion or inclusion of sediment sampling sites (considering dredging) in the Ports model. Outcome of this workgroup will be reported back to TAC and to modelers for revision/update of model initialization and water quality information.
- Find more mid-water column TSS data.

Regional Board website:

http://www.waterboards.ca.gov/losangeles/html/meetings/tmdl/tmdl_ws_dominguez.html

