

**PORT OF LOS ANGELES COMMUNITY ADVISORY COMMITTEE  
WATER QUALITY SUBCOMMITTEE**

Port of Los Angeles  
425 S. Palos Verdes Street  
San Pedro, California

Draft Minutes  
October 15, 2008

ATTENDEES

PCAC MEMBERS

Cathy Beauregard, Chair  
Donna Ethington, Co-Chair  
William Lyte, Voting Member

PORT STAFF

Kathryn Curtis

PUBLIC PARTICIPATION

None

Meeting Location: POLA Charter High School, 250 W. 5<sup>th</sup> Street, San Pedro, CA

- A. Call to Order: 4:20PM
- B. Sign In / Introductions
- C. Agenda Approved
- D. Approval of Minutes (Held over until Next Meeting)
- E. Public Comment: None
- F. Presentation – Port of Tacoma, Washington Storm Water Program  
William Lyte introduced Ross Dunning, from Kennedy/Jenks Consultants, a consultant for the Port of Tacoma, who explained that as of February 2007 the Port of Tacoma became subject to needing a municipal storm water permit, which required them to develop their own storm water management program.

He provided a presentation on the concept of a Comprehensive Stormwater Management & Industrial Low Impact Development.

Phase I general permits apply to municipalities with a population of 100,000 people or more (i.e.: The Port of Tacoma, the City of Tacoma, and the Port of Seattle.). Phase I permit are to build the programs to implement LID techniques during the development of a project, to the extent practical. Many of the Ports operations and most of the Port's tenants are subject to the industrial storm water permit. Phase II permits apply to municipalities with a population between 1000 and 100,000 people (pretty much all the remaining ports in Washington).

The roles and the responsibilities for storm water management are different depending on whether it is before construction, during construction or after construction. Mr. Dunning has helped the Port of Tacoma with the development of a comprehensive storm water management strategy, as well as the design for the storm water conveyance and treatment systems for the road, rail and infrastructure.

Low impact development techniques are the best treatment technologies for contaminants like dissolved metals (zinc and copper), which are the hardest to deal with at port facilities.

Low Impact Development technologies would include:

- Systems designed to filter storm water from impervious surfaces (i.e. bioretention / filtering)
- Systems designed to retain or store storm water that slowly infiltrate water, such as sub-surface collection facilities under parking lots, (bioretention cells, and infiltration trenches)
- Modify and develop infrastructures that decrease the amount of impervious surfaces
- Utilize native, site appropriate, vegetation to filter, direct, and retain storm water (rain gardens and bio-swales)
- Utilize innovative materials that help to break up impervious surfaces or that are made of recycled material (porous concrete, permeable interlocking pavers)
- Design and provide water collection facilities like cisterns

The Ecology Embankment is a linear flow-through stormwater runoff treatment device that can be used where sheet flow from the highway surface is feasible. The Ecology Embankment system involves the following components; a gravel no-vegetation zone, a vegetated filter zone, the ecology-mix bed (made up of crushed rock, gypsum and perlite) and a gravel-filled underdrain trench. The system is designed to remove suspended solids, oil, phosphorus, and metals from highway runoff through biofiltration.

To comply with the Washington State Department of Ecology's stormwater permit requirements, the Port has a Stormwater Management Plan which includes educating the public, finding and eliminating illicit discharges, mapping out stormwater conveyance systems, monitoring water quality, and treating stormwater where appropriate.

The Port of Tacoma is working to apply various kinds of technology where it is feasible and appropriate. They are pioneering LID on the Tacoma Tide flats to treat industrial stormwater before pollutants reach the bay. They are testing LID techniques that use natural site features and small-scale stormwater controls to mimic natural hydraulic patterns.

G. Updates:

- Coastal Clean Up Day/Dominguez Channel & Port Facilities  
The Heal the Bay Coastal Clean Up Day was held on September 20, 2008. It was a great success and a beautiful event. We had a great turnout at the Dominguez Channel site in Wilmington. There were about 80 participants, including about 58 students. We had employee participation from the Port of Los Angeles, the Bureau of Sanitation, Conoco Philips, Valero, Tesoro, Rio Tinto, and Borax.

Cathy Beauregard suggested that because the students from the Global Environmental Science Academy showed so much interest in the cleanup project, that perhaps the Water Quality Subcommittee might hold one of their meetings at the school.

- Anchorage Road Soil Storage Site  
Kathryn Curtis, from the Environmental Management Division stated that the project had been handed over to the POLA Real Estate Division, and that they were working on a draft board letter. There was no update at this point.

Ms Ethington stated that David Mathewson, the Director of the Planning and Research Division, had reported at the August PCAC meeting that the PCAC motions pertaining to Anchorage Road would go to the Board of Harbor Commissioners in September. We are still awaiting the motions and the staff reports.

- 22 Street Wetlands (Mitigation from the Cabrillo Marina Phase II Project)  
Kathryn Curtis distributed a copy of the new plan for the wetlands at 22<sup>nd</sup> Street. She reported that she had spoken to the landscape architect who has been assigned to the project and that she had been informed that the entire project was scheduled for completion by June 2009. A contractor will be issuing a notice to proceed on the wetland portion of the project by the end of the month. Work on the wetlands could possibly start as soon as next month depending on the contractor's schedule.

H. Water Resources Action Plan (WRAP) – No Update was Given.

I. Next Meeting, November 19, 2008

J. Adjournment: 7:00PM

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Cathy Beauregard, Chair  
Water Quality Subcommittee

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Debra Babcock-Doherty  
PCAC Executive Assistant