

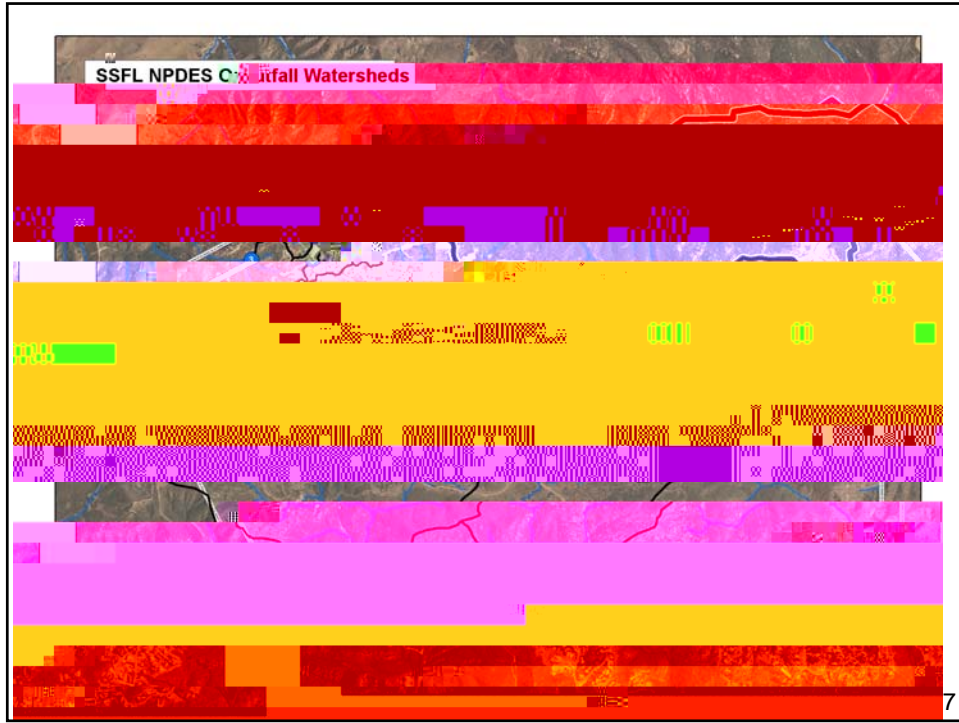
Presentation to the
Los Angeles Regional Water Quality Control Board

Progress Report from the SSFL
Stormwater Expert Panel

Professor Michael K. Stenstrom, PhD, UCLA

Scope of Work

- From Nov. 1, 2007 CDO:
(For outfalls 008 and 009) Assemble an expert panel to review site dat



Panel Members

- Dr. Richard Horner
 - Former Professor, University of Washington
 - ENTS Design/Performance
 - Aquatic Ecology

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Panel Members

- Jonathan Jones, P.E.
 - CEO, Wright Water Engineers
 - Stormwater Quality and Quantity
 - Surface Water Hydrology
 - Watershed Modeling

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Panel Members

- Dr. Michael Josselyn
 - President, Wetlands Research Associates
 - Wetlands Restoration/Mitigation
 - Wetlands Ecology

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Panel Members

- Dr. Robert Pitt
 - Professor of Civil Engineering, University of Alabama
 - Urban Runoff Control
 - Stormwater and Erosion Control Practices
 - National Urban Runoff Program

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Panel Members

- Dr. Michael Stenstrom
 - Professor of Civil Engineering, UCLA
 - Stormwater and Wastewater Treatment Systems
 - Modeling and Optimization

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Expert Panel Schedule

- Based on Expert Panel Work Plan submitted on Dec. 15, 2007:

Proposed Scope	Proposed Date
Design Storm	Working draft complete
ENTS Conceptual Designs	May 15, 2008
ENTS Final Designs	July 15, 2008
ENTS Permitting	August 15, 2008
ENTS Construction	October 31, 2008
Final Permit Limits Become Effective	June 10, 2009

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Public Involvement Component

- Public Participation Meetings
- Periodic reports to RWQCB on project status
- Project information posted on the Internet:
http://www.boeing.com/aboutus/environment/santa_susana/ents/index.html

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Expert Panel Public Meetings

- From Work Plan:

Proposed Scope	Proposed Date
Panel introduction	Complete
Progress on design storm and ENTS selection & conceptual design	March 17, 2008
Recommended design storm and conceptual ENTS designs	April 17, 2008

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Status Report

- Progress on review of existing proposed site specific design storm (1 year)
- Progress on ENTS selection & design in outfall 008 and 009 watersheds

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Progress on Site Specific Design Storm

- Have reviewed existing proposed site specific design storm (1 year event)
- Have implemented evaluation methodology (i.e., long-term continuous hydrology modeling) consistent with LA Design Storm Task Force

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Progress on ENTS Designs for Outfall 008 and 009 Watersheds

- Have already selected multiple potential ENTS locations throughout these watersheds (i.e., not just control at the outfalls)
- Initially locating ENTS downstream of:
 - Developed areas
 - Areas of known historic activities or surface soil/sediment contamination
- 1st set of draft conceptual ENTS designs in progress

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Progress on ENTS Designs for Outfall 008 and 009 Watersheds

(continued)

- Considering locating additional ENTS at offsite locations to address run-on
- Looking for additional locations for “source control” type of BMPs, for example:
 - Remove/cover treated wood and galvanized metals
 - Remove impervious areas
 - Control eroding areas
 - Outfall protection
 - Stream stability enhancements
 - Other source controls identified by the panel or by Boeing

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DTSC Coordination

THE END

THANK YOU FOR YOUR TIME

For questions or comments, contact:
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