

Newport Bay Watershed Executive Committee

December 15, 2010



Minutes of the October 20, 2010 Meeting

Agenda Item # 1



Update on the Nitrogen & Selenium Management Program Best Management Practices Strategic Plan

Agenda Item # 2



Nitrogen & Selenium Management Program

- Formed in response to new selenium regulations
 - 2002 Total Maximum Daily Load from US Environmental Protection Agency
 - 2004 Permit for short-term groundwater-related discharges from Santa Ana Regional Board
- Regional Board staff, environmental advocates and dischargers
- Dischargers' compliance through NSMP

Time Schedule Order

- Adopted by Regional Board in December 2009
- Requires list of activities by dischargers
 - Funding agreement (completed)
 - Best Management Practices Strategic Plan to be submitted by January 1, 2011
 - Regional Monitoring Plan by January 1, 2011

NSMP Dischargers/Strategic Plan Parties

City of Costa Mesa	City of Santa Ana
City of Irvine	City of Tustin
City of Laguna Hills	County of Orange
City of Laguna Woods	Lennar
City of Lake Forest	Irvine Company
City of Newport Beach	Irvine Ranch Water District
City of Orange	OC Flood Control District

BMP Strategic Plan

Purpose and Vision

- Phased process for treatment controls that may be implemented
- Uses adaptive management approach
 - Evaluate technologies
 - Gain better understanding of sources of selenium
 - Implement effective and feasible BMPs
 - Implement additional BMPs as needed

Why Adaptive Management?

- Need better information on sources
 - Water balance, groundwater-surface water interactions
- Need additional information for siting
 - Example: diversions to sewer
- New regulations upcoming
 - Total Maximum Daily Load
 - Site Specific Objectives

Structure of Strategic Plan

- Early Action Tasks
- Phase I – Technology Evaluation, Characterization and Optimization
- Phase II – Candidate Implementation Options

Early Action Tasks

- Cienega ABMet Treatment Facility
- Water Balance/Groundwater-Surface Water Evaluation
- Pollution Prevention and Source Control Approach (contingent on Task 2 findings)
- Cienega Effectiveness Monitoring

Phase I

- Sewer Diversion Evaluation
- Big Canyon Wash Characterization and Strategy
- Water Balance/Groundwater-Surface Water Evaluation (contingent on Early Action Task 2 findings)
- Groundwater Pump/Capture and Treatment System

Phase II

- Candidate Implementation Alternatives:
 - 3 options
 - Based on current, imperfect information
 - Will be refined based on outcomes/lessons learned from Early Action Tasks and Phase I projects
 - Steps taken will depend on scientific, technical and regulatory information and changes, and available funding

Next Steps

- Submittal of BMP Strategic Plan and Regional Monitoring Plan – Jan. 1, 2011
- Cienega Funding Discussions
- Continued Selenium TMDL Development
- Implement BMP Strategic Plan 90 days after Regional Board approval.

Update on Cienega Selenium & Nitrogen Removal Project

Agenda Item 5

Paul Jones, General Manager
Irvine Ranch Water District



Executive Committee Member Comments

Agenda Item 5



Public Comments

Agenda Item 6



Adjournment

Agenda Item 7

Next Meeting:
February 16, 2010
1:30 p.m.



