

Malibu Civic Center Stakeholders Meeting



**August 29, 2013
Malibu City Hall
8:30 a.m.**

Meeting Agenda



- Regional Water Quality Control Board
- Community Facilities District (CFD)
- Outreach Meetings/Presentations
- Assessment District (AD)
- Wastewater Facility Design
- Questions/Comments
- Next Meeting September 26, 2013
- Adjourn

Regional Water Quality Control Board



- **April 17, 2013:** met with Dr. Eric Wu of the RWQCB (Groundwater and Permitting Unit) ✓

- Discussed:

- ❖ Project milestones ✓
- ❖ EIR ✓
- ❖ CDP requirements ✓
- ❖ Monitoring well and locations ✓
- ❖ Test injection ✓
- ❖ Pump testing of aquifer ✓
- ❖ US EPA requirements ✓
- ❖ Department of Public Health review ✓
- ❖ Permits ✓

Regional Water Quality Control Board



- Submitted all information for permit application to allow injection testing of the Civic Center Aquifer with potable water.
 - ❖ Board has assured that permit will be ready for scheduled aquifer testing in June. ✓
 - ❖ **June 20, 2013:** RWQCB issued City injection testing permit. ✓

- **June 19, 2013:** staff met with Dr. Eric Wu of the RWQCB (Groundwater and Permitting Unit) ✓
- Discussed: ✓
 - ❖ ATS Permit.
 - ❖ Status of the city's regulatory obligations (CDP, CEQA, EIR).
 - ❖ WDR Permit limits and requirements.
 - ❖ Water balance and expanded recycle water use.

Regional Water Quality Control Board



- ❖ Injection of Recycled Water Program Description.
- ❖ Malibu Valley Groundwater Basin
- ❖ Malibu Creek Nutrient TMDL.
- ❖ Local Agency Management Plan.

June 25, 2013: staff sent to the RWQCB the second quarter project progress report.



Regional Water Quality Control Board



- **July 17, 2013:** staff met with Dr. Eric Wu and Dr. Don Tsai ✓
of the RWQCB (Groundwater and Permitting Unit)
- Discussed: ✓
 - ❖ Status of the city's regulatory obligations (CDP, CEQA, EIR).
 - ❖ WDR Permit limits and requirements.
 - ❖ Water balance and expanded recycle water use.
 - ❖ Recycled water reuse
 - ❖ California Department of Public Health Requirements
 - Reverse Osmosis
 - ❖ TMDLs

Regional Water Quality Control Board



- **August 28, 2013:** staff met with Dr. Eric Wu and Dr. Don Tsai of the RWQCB (Groundwater and Permitting Unit) ✓
- Discussed: ✓
 - ❖ Status of Injection Program.
 - ❖ Status of the city's regulatory obligations (CDP, CEQA, EIR).
 - ❖ WDR Permit limits and requirements.
 - ❖ Recycled water use.

Outreach Meetings/Presentations



- **August 6, 2013: Project Technical Advisory Committee (TAC) at City Hall. ✓**
- **August 17, 2013: Project Presentation to Malibu Knolls HOA. ✓**
- **August 21, 2013: Discussions with Pepperdine University Officials regarding possible future recycled water use and opportunities. ✓**
- **August 22, 2013: Project Presentation to Wastewater Advisory Committee. ✓**
- **September 12, 2013: City Manager will present a project update to the RWQCB.**

Community Facilities District (CFD)



- Bond sale closed in February 2013 ✓
- City received funds in February 2013 ✓
- **No other updates**

Assessment District (AD)



- **June 24, 2013**, an RFP was sent out to obtain an Assessment Engineering Consultant for the project. ✓
- **August 1, 2013**, two proposals were received. ✓
- Staff reviewed proposals and determined that David Taussig & Associates, Inc. was the most qualified consultant to perform the work. ✓
- **Sept. 9th 2013**, City Council meeting, staff will recommend David Taussig & Assoc., Inc. as the Assessment Engineering Consultant for the formation of the Assessment District for the project.

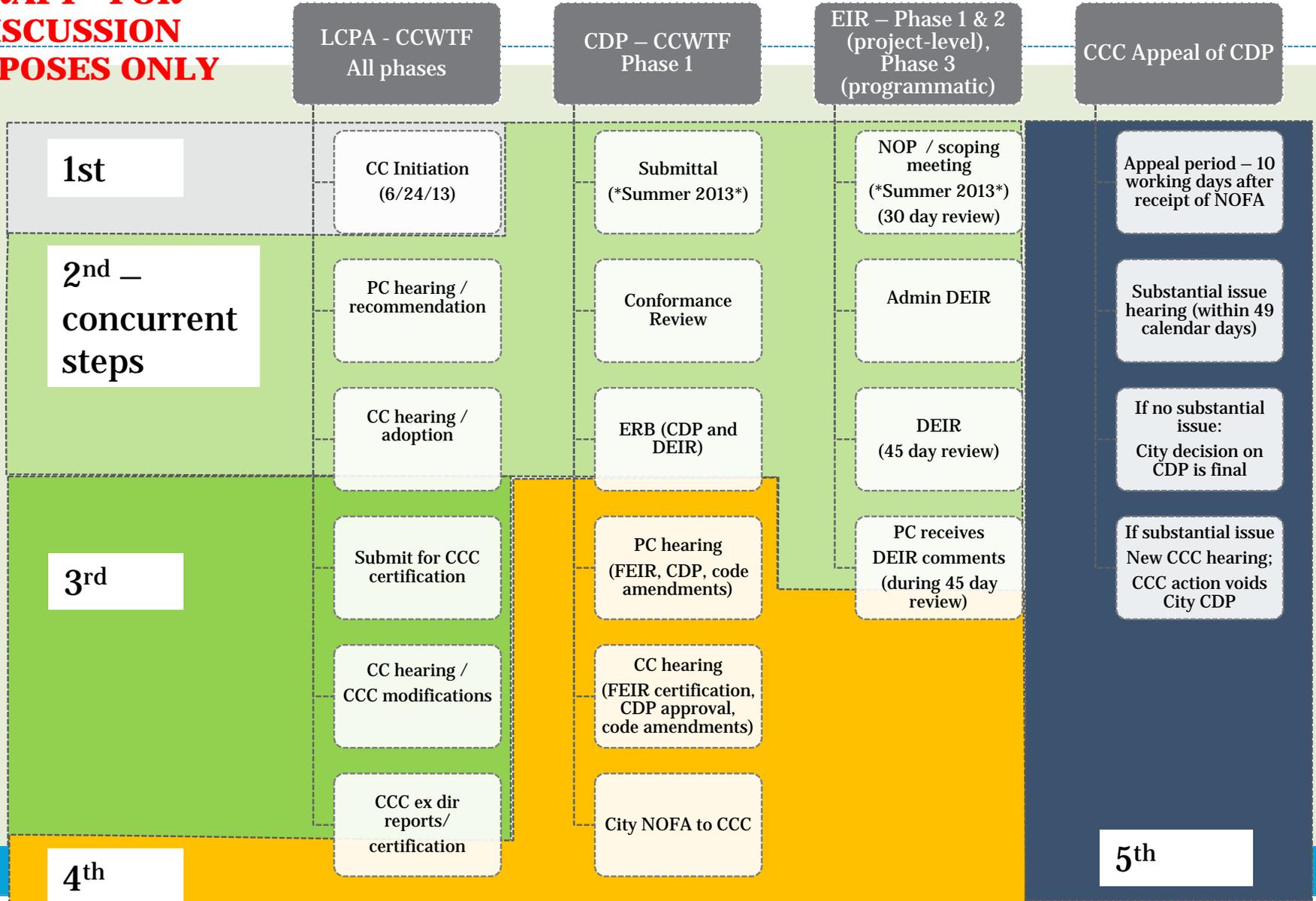
Wastewater Facility Design



- Groundwater Injection Study
 - ❖ Phase 1 – cursory modeling and scoping ✓
 - ❖ Phase 2 – preliminary feasibility assessment ✓
 - ❖ Phase 3 – monitoring & injection well construction, testing, analysis, modeling, & injection well pre-design
- Environmental Impact Report (EIR)
- Final Design/Construction Document

Wastewater Facility Design-Planning Entitlements

DRAFT - FOR DISCUSSION PURPOSES ONLY



Project Schedule



Phase 3 Field Program

- Pre-field Work **(March – May 2013)**
 - ❖ Solicit and execute consultant and contractor agreements ✓
 - ❖ Select monitoring well locations and secure access ✓
 - ❖ Obtain drilling permits ✓
 - ❖ Obtain RWQCB testing permit ✓
- Injection/Monitoring well construction, development and testing **(April – August 2013)**
 - ❖ Install wells (April 22 to May 20) ✓
 - ❖ Develop wells (May) ✓
 - ❖ Test wells **(Began July 1 RWQCB permit obtained) Ongoing**
 - ❖ Analyze collected data **(preliminary data looks favorable)**
 - ❖ Prepare well reports

Project Schedule



Monitoring Wells (installed 9 new wells)

- Super Care Drugs - 2 wells installed ✓
- Civic Center Way - 1 well installed ✓
- Animal Hospital - 1 well installed ✓
- Malibu Road - 2 wells installed ✓
- Malibu Colony - 2 wells installed ✓
- State Park land - 1 well installed ✓

Project Schedule



Monitoring Wells

- Super Care Drugs (23661 PCH) - 2 wells installed



Project Schedule



Monitoring Wells

- Civic Center Way - 1 well installed



Project Schedule



Monitoring Wells

- Animal Hospital (23431 PCH) - 1 well installed



Project Schedule



Monitoring Wells

- Malibu Road - 2 wells being installed



Project Schedule



Phase 3 Field Program

▪ Well Injection Testing

- ❖ MW 01 (permit obtained)
- ❖ MW 02 (permit obtained)
- ❖ MW 03 (permit obtained)

(June – August 2013)

July 1 began 

August 1 began 

September 1 commence

❖ Initial results are positive

▪ Modeling Work

- ❖ Updating model
- ❖ Recalibration
- ❖ Run scenarios
- ❖ Perform sensitivity analysis
- ❖ Prepare model report

JULY (September - December 2013)

▪ Begin injection well design

(December 2013)

Phase III Field Program (Malibu Colony)



1. Drilling and Well Construction

❖ Location of new wells



Phase III Field Program (Malibu Colony)



Project Schedule



Environmental Impact Report (EIR)

- ❖ **Prepare and circulate NOP** (Anticipate in Sept. 2013)
 - Initiated biological, geological and cultural survey of treatment plant site
 - Revised project description for use in EIR and Coastal development permit
 - Discussed coordination between EIR and Coastal Development permit
 - Analyze wastewater flow projections
- ❖ **Prepare and circulate Draft EIR** (Anticipate January 2014)
- ❖ **Prepare Final EIR** (Anticipate April 2014)

Project Schedule



Final design and construction documents (April – June 2014)

- ❖ Completed on-shore and near-shore geophysics survey to estimate location of freshwater/seawater interface. Interface was found to be offshore, confirming that the lower aquifer flows to the ocean and is not blocked by a geologic feature. ✓
- ❖ Technical review with independent treatment process experts to confirm treatment process, configuration, sizing, and planned operations. ✓ **(Ongoing Work)**
- ❖ Perform a wetlands delineation report for Winter Canyon Wastewater Treatment Site. **(Ongoing Work)**

Project Schedule



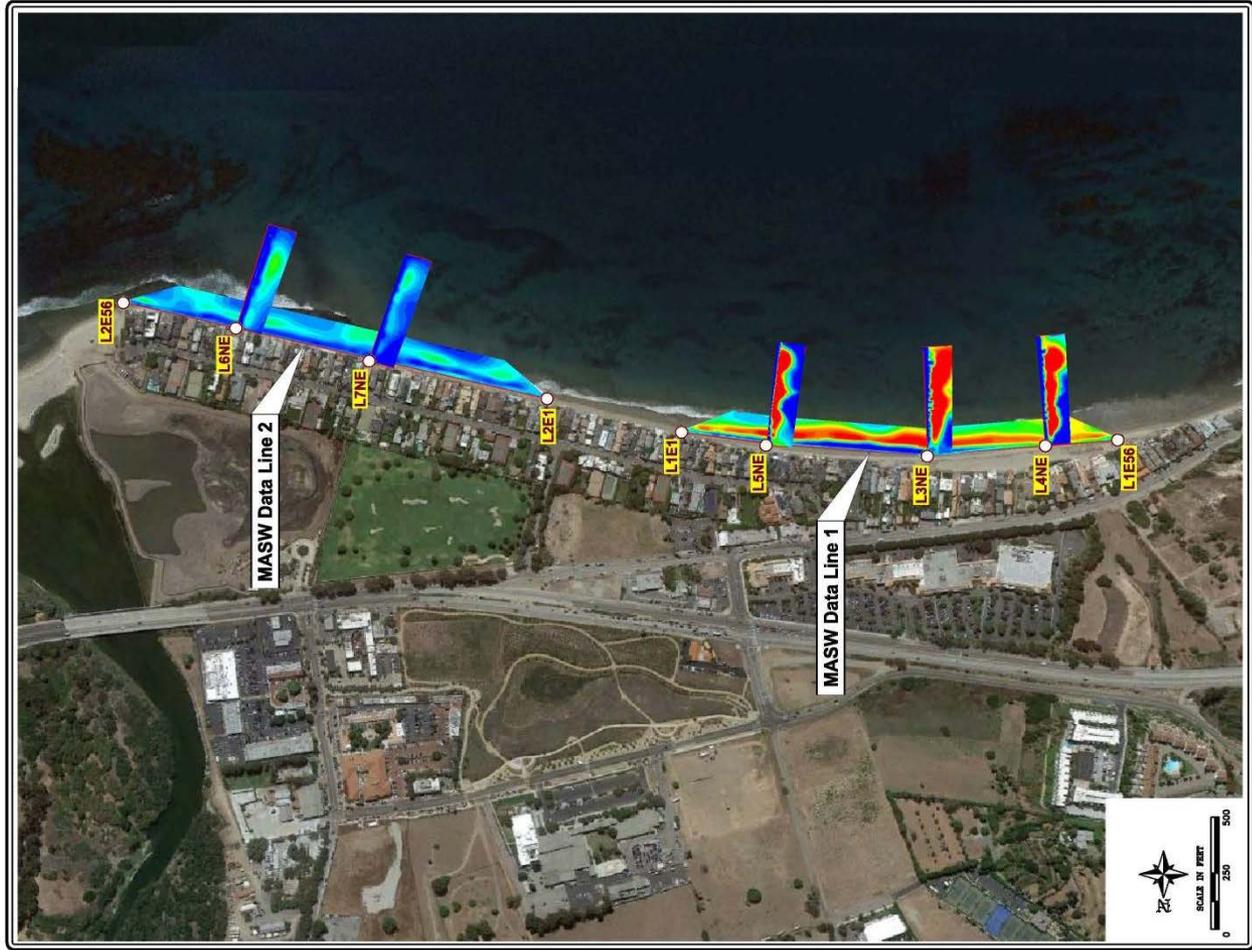
- ❖ **Treatment Plant Design (Ongoing Work – 45%)**
 - Process configuration
 - Site plan utilization
 - Analyze existing electrical system in area
 - Electrical & Instrumentation design for process equipment
 - Trenchless pipeline construction to reduce disruption/costs

- ❖ **Collection System Design (Ongoing Work – 45%)**
 - Pump station locations
 - Pump station sizing
 - Pipe alignments
 - Pipe sizing
 - Pipe crossing conflicts (Civic Center Way box culvert)
 - User Tie-in locations

Injection Well Testing



Shoreline Geophysical Survey

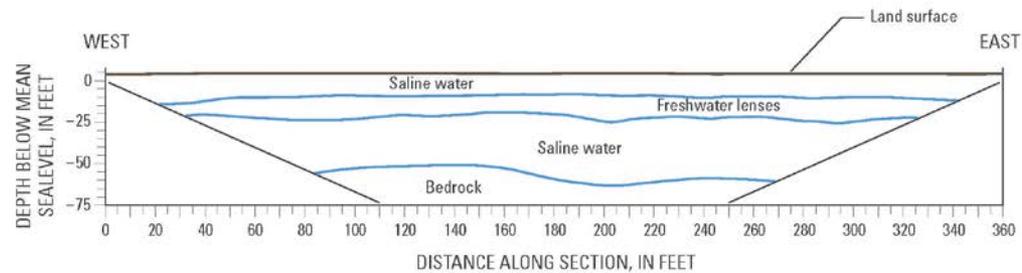
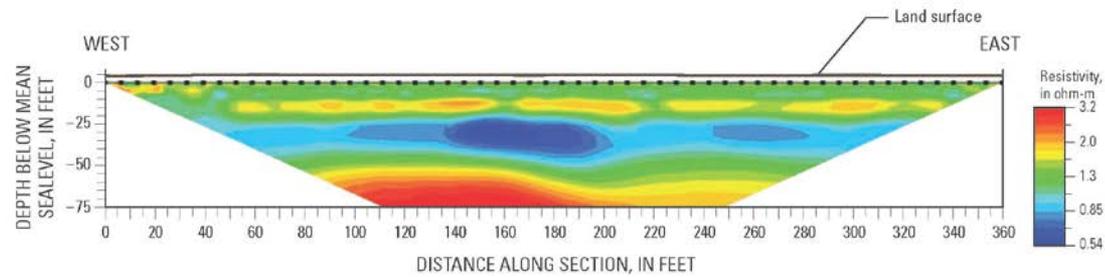


PROJECT NAME: MALIBU
PROJECT NUMBER: 71705004
DWS. NUMBER: 71705004J1
DATE: 06/23/13

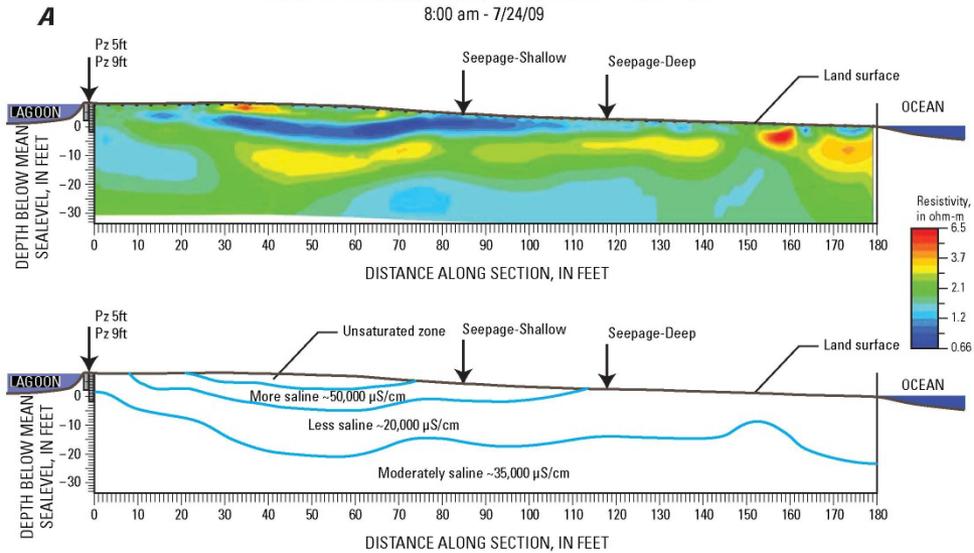
Geo
ENTRIX

FIGURE 9. CORRELATION OF RESISTIVITY DATA.

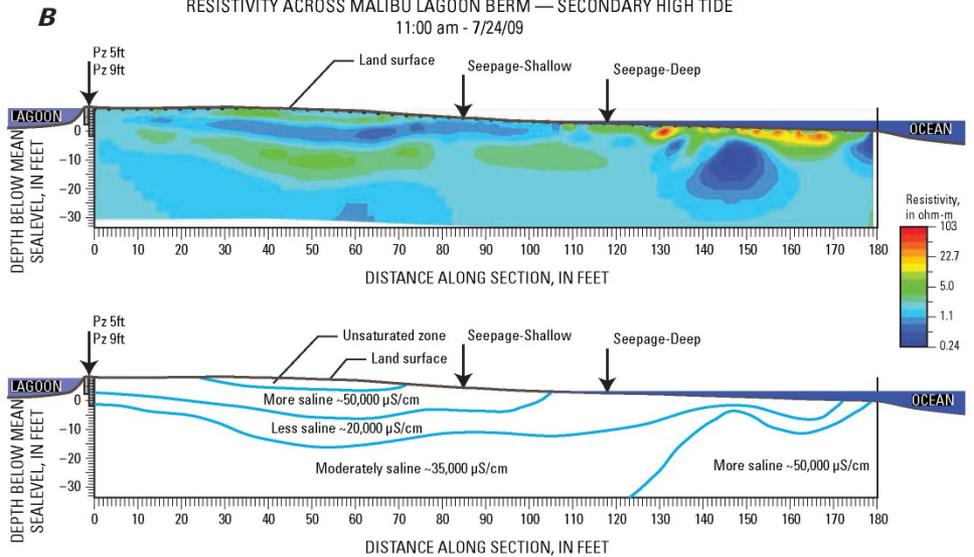
Shoreline Geophysical Survey



RESISTIVITY ACROSS MALIBU LAGOON BERM — LOW TIDE
8:00 am - 7/24/09



RESISTIVITY ACROSS MALIBU LAGOON BERM — SECONDARY HIGH TIDE
11:00 am - 7/24/09





Questions / Comments



Next meeting September 26, 2013



Thank you