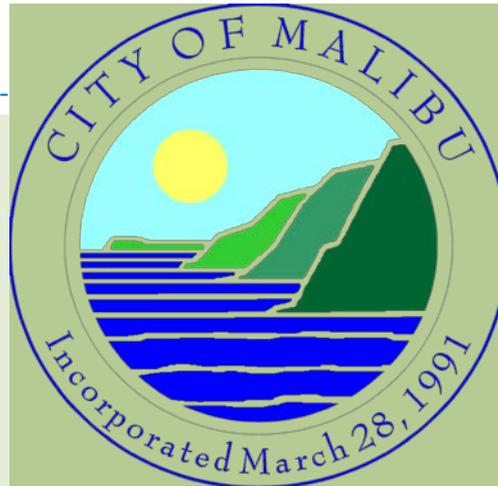


Malibu Civic Center Stakeholders Meeting



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

Meeting Agenda



- Regional Water Quality Control Board
- Community Facilities District (CFD)
- Wastewater Facility Design
- Questions/Comments
- Next Meeting June 27, 2013
- Adjourn

Regional Water Quality Control Board



- On April 17, 2013 met with 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.

Community Facilities District (CFD)



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

Wastewater Facility Design



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

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 testing permits

▪ Monitoring wells construction, development and testing

(April – August 2013)

- ❖ Install wells (weeks of April 22 to May 20) ✓
- ❖ Develop wells (currently in progress)
- ❖ Test wells (need permits)
- ❖ Analyze collected data
- ❖ Prepare well reports

Project Schedule



Monitoring Wells

- Super Care Drugs (23661 PCH) - 2 wells installed ✓
- Civic Center Way - 1 well installed ✓
- Animal Hospital (23431 PCH) - 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 (June – August 2013)
 - ❖ MW 01 (waiting for Board permit)
 - ❖ MW 02 (waiting for Board permit)
 - ❖ MW 03 (waiting for Board permit)

- Modeling Work (September – December 2013)
 - ❖ Updating model
 - ❖ Recalibration
 - ❖ Run scenarios
 - ❖ Perform sensitivity analysis
 - ❖ Prepare model report

- Begin injection well design (December 2013)

Phase III Field Program (Malibu Colony)



Location of new wells



Project Schedule



Environmental Impact Report (EIR)

- ❖ **Prepare and circulate NOP/IS** (March – May 2013)
 - Initiated biological 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** (March 2013– January 2014)
- ❖ **Prepare Final EIR** (January – 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.**

Project Schedule



- ❖ **Treatment Plant Design**
 - **Process configuration**
 - **Site plan utilization**

- ❖ **Collection System Design**
 - **Pump station locations**
 - **Pipe crossing conflicts (civic center way box culvert)**



Questions / Comments



Next meeting June 27, 2013



Thank you