

---

## Los Angeles Regional Water Quality Control Board

April 7, 2014

Mr. Jim Thorsen, City Manager  
City of Malibu  
Public Works Department  
23825 Stuart Ranch Road  
Malibu, CA 90265

Ms. Gail Farber, Director  
County of Los Angeles  
Department of Public Works  
Watershed Management Division, 11<sup>th</sup> Floor  
900 South Fremont Avenue  
Alhambra, CA 91803

Ms. Gail Farber, Chief Engineer  
Los Angeles County Flood Control District  
Department of Public Works  
Watershed Management Division, 11<sup>th</sup> Floor  
900 South Fremont Avenue  
Alhambra, CA 91803

### **APPROVAL OF REVISED NOTIFICATION OF INTENT TO DEVELOP AN ENHANCED WATERSHED MANAGEMENT PROGRAM FOR THE NORTH SANTA MONICA BAY COASTAL WATERSHED, PURSUANT TO THE LOS ANGELES COUNTY MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT (NPDES PERMIT NO. CAS004001; ORDER NO. R4-2012-0175)**

Dear Permittees participating in the North Santa Monica Bay Coastal Watershed:

In a letter dated November 26, 2013, the California Regional Water Quality Control Board, Los Angeles Region (Regional Water Board or Board) provided its review of the North Santa Monica Bay (SMB) Coastal Watershed agencies' notification of intent (NOI) to develop an enhanced watershed management program (EWMP). As part of their NOI, Permittees pursuing an EWMP are required to identify, and commit to fully implement by June 28, 2015, a structural best management practice (BMP) or suite of BMPs at a scale that provides meaningful water quality improvement within each watershed covered by the EWMP. The structural BMP(s) must be in addition to BMPs that are required to meet interim or final trash TMDL effluent limitations or other final effluent limitations applicable in the watershed with deadlines prior to April 28, 2016. The structural BMP(s) identified in the NOI are subject to Executive Officer approval. The NOI identified the Broad Beach Biofiltration project, Wildlife Road Storm Drain Improvement project, and the Malibu Legacy Park Pump Station Improvement project in the Santa Monica Bay Watershed Management Area as the structural BMPs to meet the above mentioned requirement.

In its letter, the Board requested additional information about each of the projects and the water quality improvements to be achieved by these three projects. Specifically, for the Board to fully evaluate the three projects, Permittees needed to provide the size of drainage area; the volume of storm water to be treated; the additional volume to be treated at Legacy Park; and an estimate of pollutant load reductions.

CHARLES STRINGER, CHAIR | SAMUEL UNGER, EXECUTIVE OFFICER

On December 17, 2013, the Regional Water Board received an amended NOI for the North SMB Coastal Watershed EWMP. Board staff has reviewed the revised NOI for compliance with all notification requirements of Part VI.C of Order No. R4-2012-0175 and has determined that all the notification requirements, of Part VI.C of Order No. R4-2012-0175, have been met.

Pursuant to section VI.C.4.b.iii.(5) of the Order, the proposed structural best management practices (BMPs) are subject to approval by the Regional Water Board Executive Officer. The City of Malibu proposes to implement the Broad Beach Biofiltration project; the Wildlife Road Storm Drain Improvement project; and the Malibu Legacy Park Pump Station Improvement project. During Board staff review of the BMPs, discrepancies were found with the calculation of the design volumes for the Broad Beach Biofiltration project and the Wildlife Road Storm Drain Improvement project. In addition, the completion date for the Malibu Legacy Park Pump Station Improvement project was past the 30 month implementation deadline of June 28, 2015. On March 11, 2014, the Board received a second revised NOI, which addressed these concerns.

The Broad Beach Biofiltration project consists of the installation of biofilters within eight catch basins along Broad Beach Road to treat storm water and urban runoff prior to discharge into the Pacific Ocean adjacent to the Eastern Section of the Laguna Point to Latigo Point Area of Special Biological Significance (ASBS). The eight catch basins will capture runoff from a drainage area of 12.4 acres and will be designed to treat the runoff from a 0.75 inch 24-hour storm event. The biofilters have an estimated removal efficiency of 95% to 99% for fecal coliform, E. coli and enterococcus; and a total suspended solids (TSS) removal efficiency of approximately 85%.

The Wildlife Road Storm Drain Improvement project consists of the installation of bioretention swales along Wildlife Road and Whitesands Place and installation of biofilters within two catch basins to treat storm water and urban runoff prior to discharge into the Pacific Ocean adjacent to the ASBS. The two catch basins will capture runoff from a drainage area of 8.8 acres and will be designed to treat the runoff from a 0.75 inch 24-hour storm event. The biofilters have an estimated removal efficiency of 95% to 99% for fecal coliform, E. coli and enterococcus; and a TSS removal efficiency of approximately 85%.

The Malibu Legacy Park Pump Station Improvement project will upgrade the existing storm drain pumps at the Cross Creek Pump Station and the Malibu Road Pump Station. The objective of the pump station upgrades is to increase the pumping capacity at Cross Creek and Malibu Road to capture and convey the 85<sup>th</sup> percentile 24-hour storm event to Malibu Legacy Park for treatment. The Cross Creek Pump Station and the Malibu Road Pump Station currently have a maximum pumping capacity of 200 gallons per minute. These two pump stations will be upgraded with new pumps and other improvements to increase the volume of water pumped to Legacy Park for treatment.

The Board has concluded that these three projects will result in meaningful improvements in water quality by preventing and removing bacteria and other pollutants from storm water before discharging into the Pacific Ocean. Therefore, the proposed Broad Beach Biofiltration project; the Wildlife Road Storm Drain Improvement project; and the Malibu Legacy Park Pump Station Improvement project are approved.

The work plan for development of the North SMB Coastal Watershed EWMP is due by June 28, 2014. Please submit the work plan to [losangeles@waterboards.ca.gov](mailto:losangeles@waterboards.ca.gov) with the subject line "LA County MS4 Permit – Enhanced Watershed Management Program Work Plan" with copies to [Ivar.Ridgeway@waterboards.ca.gov](mailto:Ivar.Ridgeway@waterboards.ca.gov) and [Rebecca.Christmann@waterboards.ca.gov](mailto:Rebecca.Christmann@waterboards.ca.gov).

If you have any questions, please contact Mr. Ivar Ridgeway, Storm Water Permitting, at (213) 620-2150 or Ms. Rebecca Christmann at (213) 576-6786.

Sincerely,



Samuel Unger, P.E.  
Executive Officer

cc: Jennifer Brown, City of Malibu  
Rob DuBoux, City of Malibu  
Angela George, County of Los Angeles, Department of Public Works  
Gary Hildebrand, Los Angeles County Flood Control District  
David Smith, NPDES Program, USEPA Region IX  
Jennifer Fordyce, Office of Chief Counsel, State Water Board