



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Agency Secretary

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Arnold Schwarzenegger
Governor

TO: Interested Parties

FROM: Samuel Unger, PE *SU*
Section Chief – Regional Programs

DATE: October 25, 2007

SUBJECT: Machado Lake Algae, Ammonia, Eutrophication, and Odors TMDL –
Public Meeting

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) invites stakeholders and interested parties to a public meeting.

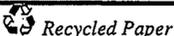
When: Monday November 26, 2007 at 1:30 pm
Where: Regional Board's office (320 West 4th Street, Los Angeles)
2nd Floor Pacific Ocean Room

The purpose of the meeting is to solicit public participation in the development of Total Maximum Daily Loads (TMDLs) for nutrient related impairments (algae, eutrophication, ammonia, and odors) at Machado Lake. In 2008, the Regional Board will consider an amendment to the *Water Quality Control Plan for the Los Angeles Region* (Basin Plan) to incorporate these TMDLs.

At the meeting, Regional Board staff will discuss the Nutrients Numeric Endpoints (NNE) California BATHTUB Lake Model Tool that is being used in the development of these TMDLs. Technical aspects of the model such as calibration, sensitivity analysis, model performance, and results will be presented. Staff will also solicit input regarding effective public and stakeholder participation in the TMDL process.

Please contact Rebecca Veiga Nascimento at 213-576-6661 or rveiga@waterboards.ca.gov with questions or to be included on the agenda.

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

Background

Machado Lake is a shallow urban lake located in the Ken Malloy Harbor Regional Park (KMHRP), which is a 231 acre Los Angeles City Park serving the Wilmington and Harbor City areas. Machado Lake is subject to nutrient related water quality problems such as algal blooms and eutrophic conditions. Machado Lake provides numerous beneficial uses, including wildlife habitat, aquatic habitat and recreation. Ken Malloy Harbor Regional Park and Machado Lake provide an important and well visited public recreational site. The developing TMDL will include a strategy to reduce nutrient related impairments at Machado Lake in order to protect beneficial uses and achieve water quality objectives set to protect those uses.

The Regional Board is charged with implementing the provisions of both the State of California Porter-Cologne Water Quality Control Act and the federal Clean Water Act in the Los Angeles Region. Section 303(d)(A)(1) of the Federal Clean Water Act requires the Regional Board to identify water quality limited segments within the Region. This includes water bodies not attaining water quality standards. Once these water bodies are identified, TMDLs are to be established for pollutants causing the impairments.

A TMDL specifies the maximum amount of a pollutant that a water body can receive and still meet water quality standards. The acceptable amount of pollutant load is allocated to point, non-point and natural sources. A TMDL can be expressed in terms of either mass per time, toxicity, concentration, or other appropriate measures. The US EPA approved listing Machado Lake on the 2006 303(d) list of impaired waterbodies in California for algae, ammonia, and eutrophic conditions.

The Regional Board staff will consider all available data and studies related to nutrient loading and nutrient water quality impairments at Machado Lake and solicit stakeholder involvement in the TMDL development. Regional Board staff has initiated studies to determine nutrient sources and the assimilative capacity of Machado Lake. One specific study is based on the NNE model. Regional Board staff, in response to stakeholder request, is holding this meeting to present the NNE model and the results for Machado Lake.