California Regional Water Quality Control Board
Santa Ana Region

RESOLUTION NO. R8-2006-0063

Resolution Approving Revisions to the Regional Monitoring Program for Nutrients in the Newport Bay/San Diego Creek Watershed.

WHEREAS, the California Regional Water Quality Control Board, Santa Ana Region (hereinafter Regional Board), finds that:

1. **Basin Plan:** An updated Water Quality Control Plan for the Santa Ana River Basin (Basin Plan) was adopted by the Regional Board on March 11, 1994, approved by the State Water Resources Control Board (SWRCB) on July 21, 1994, and approved by the Office of Administrative Law (OAL) on January 24, 1995.

2. **Nutrient TMDL:** Amendments to the Basin Plan to incorporate a Nutrient Total Maximum Daily Load (TMDL) for the San Diego Creek/Newport Bay Watershed were adopted by the Regional Board on April 17, 1998, and approved by the State Water Resources Control Board on November 4, 1998, by the Office of Administrative Law on February 10, 1999, and by the US Environmental Protection Agency on April 16, 1999.

3. **Clean Water Act:** The San Diego Creek/Newport Bay Watershed Nutrient TMDL was developed in accordance with Clean Water Act Section 303(d) and Water Code Section 13240 *et seq.* The amendment is incorporated into Chapter 5 "Implementation", of the Basin Plan.

4. **Monitoring Requirement:** The San Diego Creek/Newport Bay Watershed Nutrient TMDL required the Regional Board to establish and oversee a Regional Monitoring Program (RMP) for the Newport Bay Watershed to assess attainment of the goals of the nutrient TMDL.

5. **Regional Monitoring Program:** On October 7, 1999 the Regional Board approved a Regional Monitoring Program (RMP) for the San Diego Creek/Newport Bay Watershed Nutrient TMDL.

6. **RMP Implementation:** The County of Orange, on behalf of the watershed cities and other stakeholders, began submitting annual monitoring reports on November 15, 2000.

7. **Data Transmittal:** The RMP currently does not include a requirement for data transmittal and does not specify a format for data transfer. Data is currently transferred in spreadsheet format on an annual basis.

8. **Reporting Schedule**: The RMP was initially developed to be aligned with the County of Orange's existing NPDES monitoring program, hence the RMP reports were submitted according to the NPDES reporting year, which is from July to June. The nutrient TMDL, however, defines the critical summer season as the six-month period

April-September, which spans two separate NPDES reporting years. Thus a new reporting schedule is needed.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Regional Board approves the revisions to the nutrient TMDL Regional Monitoring Program, as set forth in Attachment A.

2. The first quarterly data report for July – September 2006 under the new format shall be submitted by January 15, 2007.

I, Gerard J. Thibeault, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of a resolution adopted by the California Regional Water Quality Control Board, Santa Ana Region, on August 25, 2006.

Gerard J. Thibeault
Executive Officer

ATTACHMENT A: ATTACHMENT TO RESOLUTION NO. R8-2006-0063

A REGIONAL NUTRIENT MONITORING PROGRAM FOR THE NEWPORT BAY WATERSHED

Revisions to the Attachment to Resolution No. 99-77, adopted by the Regional Board on October 7, 1999.

Add the following three sections at the end of the document, prior to the section labeled "References."

Data Transmittal and Quarterly Report Submittal Schedule

The County shall submit a monitoring report to the Regional Board on a quarterly basis (by April 15, July 15, October 15, and January 15 of each year). Each monitoring report shall be accompanied by a quarterly data transmittal. The quarterly monitoring report and data transmittal shall provide the results of the previous quarter's watershed and algae sampling as shown in Table 1 below. The in-bay water sampling data shall be submitted annually as part of the monitoring report submitted on October 15th of each year.

Table 1: Data Transmittal and Reporting Schedule

Sampling Quarter	Data Transmittal and Quarterly Report Date
January - March	July 15*
April – June	October 15
July – September	January 15
October – December	April 15

* Report to include annual in-bay water sampling results from the preceding April 1 –March 31 time period

Data Transfer Format

The data transmittals to the Regional Board shall be in the form developed by the Stormwater Monitoring Coalition (SMC) and approved by the State Water Resources Control Board in the document entitled "Standardized Data Exchange Formats." This document was developed in order to provide a standard format for all data transfer so that data can universally be shared and evaluated from various programs.

Quarterly Reports

Quarterly reports shall be submitted by the dates outlined above and shall, at a minimum, include the follow items:

1. Summary statistics for each analyte sampled at each monitoring location in the watershed, categorized by season (as defined by the nutrient TMDL), providing minimum, mean, median, maximum, and standard deviation, along with the number of samples.

2. Provisional mean daily flow (discharge) at each monitoring location, categorized by season (as defined by the nutrient TMDL). Final flow data for July 1 – June 30 of each year shall be submitted in the following January 15th Quarterly Report.

3. Summary statistics for daily flow at each monitoring location, categorized by season (as defined by the nutrient TMDL), providing minimum, mean, median, maximum, and standard deviation, along with the number of days with flow records.

4. The Quarterly Reports will include calculations to compare data to the seasonal targets and allocations. Therefore, the April – June data (reported on October 15) will also be included with the July – September data (reported on January 15) to provide the full summer season comparison to the applicable targets and loads. Likewise, the October – December data (reported on April 15) will be included with the January – March data (reported on July 15) to provide the full winter season comparison to the applicable targets and loads.

5. Calculation of total nitrogen and total phosphorus loads for the most recent season (as defined by the nutrient TMDL) for which complete results are available at each monitoring location. In accordance with the reporting schedule specified in Table 1, a calculation of the most recent winter season load shall be included in the quarterly report to be submitted by October 15th, and a calculation of the most recent summer season load shall be included in the quarterly report to be submitted by January 15th.

6. Calculation of the seasonal total nitrogen and total phosphorus load to Newport Bay from the following monitoring locations which have been chosen to represent the total seasonal loading to Newport Bay:
    a. San Diego Creek at Campus Drive
    b. Santa Ana Delhi Channel at Irvine Boulevard
    c. East Costa Mesa Channel at Westcliff Drive
    d. Bonita Canyon at MacArthur Boulevard

    In accordance with the reporting schedule specified in Table 1, a calculation of the most recent winter season load to Newport Bay shall be included in the quarterly report to be submitted by October 15th, while a calculation of the most recent summer season load to Newport Bay shall be included in the quarterly report to be submitted by January 15th.

7. Calculation of the seasonal urban runoff total nitrogen and total phosphorus load (as defined by the nutrient TMDL) from the following monitoring locations which have been chosen to represent urban loading:
    a. Santa Ana Delhi Channel at Irvine Avenue
    b. East Costa Mesa Channel at Westcliff Drive
    c. Lane Channel at Jamboree
    d. El Modena Irvine Channel at Michele