



CITY OF NEWPORT BEACH

UTILITIES DEPARTMENT

Steve Myrter, P.E., Utilities Director

November 13, 2007

Mr. David Todd
Water Use Efficiency and Transfer
California Department of Water Resources
P.O. Box 942836-0001
Sacramento, CA 94236-0001

Re: 2005 Urban Water Management Plan Amendment Letter
City of Newport Beach

Dear Mr. Todd,

In response to comments received from the California Department of Water Resources regarding the 2005 Urban Water Management Plan (UWMP), the City of Newport Beach is pleased to submit this letter as an amendment to the 2005 UWMP initially submitted in December 2005.

The State's 2005 UWMP comments with the City's comment responses are summarized as follows:

UWMP Chapter 4: Regarding Groundwater Identified as Existing or Planned Source (Water Code §10631 (b)(1-4))

Comment:

- 1) Reference Groundwater Management Plan?
- 2) Is basin adjudicated? If so attach decree.
- 3) What is the amount of pumping rights?

Response: DELETE Section 4.2.1 in its entirety and INSERT the following Paragraphs under Section 4.2.1

4.2.1 Description

The Orange County groundwater basins are managed by the Orange County Water District (OCWD) and are not adjudicated. OCWD manages these basins through a Basin Pumping Percentages (BPP) allocation plan detailed in their Groundwater Basin Management Plan dated March 2004. OCWD's jurisdiction includes four main groundwater basins: the La Habra Basin, the San Juan Basin, the Laguna Canyon Basin, and the Lower Santa Ana Basin. These basins supply several cities and

agencies, with groundwater pumping rights established by these BPP's which are based on a city's/agency's overall annual water demand as a percentage of allowable groundwater pumping rights.

The City receives its groundwater from only the Lower Santa Ana Basin (Basin), which is also called Coastal Plain of Orange County Groundwater Basin (Groundwater Basin Number 8-1), as it is listed in California's 2003 Bulletin 118 (Appendix D). The Basin underlies a coastal alluvial plain in the northwestern portion of Orange County, and is bounded by consolidated rocks on the north in Puente and Chino Hills, on the east in the Santa Ana Mountains, and on the south in the San Joaquin Hills. The Basin is bounded by the Pacific Ocean on the southwest and approximately by the Orange County-Los Angeles County line on the northwest, and it underlies the lower Santa Ana River watershed. Bulletin 118 identifies the Basin as Type A, which indicates that the basin has been investigated and modeled to determine the potential effects of changes in pumping and recharge. In the Bulletin, there is no indication that the Basin is or will become overdrafted under present management.

UWMP Chapter 4: Regarding Reliability of Supply (Water Code §10631 (c) (1-3))

Comment: Need to address DWR Table 8

Response: As detailed in Section 4.6 of the City's UWMP the information provided in Table 8 was developed by Metropolitan Water District of Orange County (MWDOC). Their water balance computer model was utilized to complete this table requiring 83 simulations using 83 years of data from 1922 to 2004.

UWMP Chapter 4 Regarding Water Sources Not Available on a Consistent Basis (Water Code §10631 (c))

Comment: Why is "surface diversions" referenced?

Response: DELETE all references to "surface water diversions" in DWR Table 10 and Section 4.7. The City's primary potable water supply consists of groundwater supplemented by treated imported water purchased from MWDOC. The city has no surface water treatment capabilities.

UWMP Chapter 6 Regarding CUWDD Signatory Status (Water Code §10631 (j))

Comment: Need 2005-2006 BMP reports submitted to the CUWDD

Response: A copy of the 2005-2006 BMP Update Report submitted by the City to the CUWDD is attached.

UWMP Chapter 5 Regarding Wastewater Disposal and Recycled Water Uses (Water Code §10633 (a-d))

Comment: DWR Table 34 – Disposal of Wastewater – not contained in the report

Response: DELETE last paragraph in Section 5.2.1 and INSERT the following paragraph and DWR Table 34

Table DWR 34 summarizes Orange County Sanitation District's current and projected net ocean outfall discharges which factors in reductions for non-potable uses and supplies for the GWRS.

DWR Table 34. Disposal of Wastewater (non-recycle) AF Year

Method of Disposal	Treatment Level	2005	2010	2015	2020	2025	2030
Ocean outfall	secondary	202,720	202,720	213,920	230,720	246,400	259,840
Total		202,720	202,720	213,920	230,720	246,400	259,840

UWMP Chapter 8 Regarding Supply and Demand Comparison: Multiple-dry Year Scenario (Water Code §10633 (a-d))

Comment: Supply years shown incorrectly as 2018, 2019 & 2020 on DWR Table 46 Projected Supply during Multiple Dry Year Period Ending in 2010

Response: DELETE table DWR Table 46 and INSERT revised DWR Table 46 (next page)

Projected Supply During Multiple Dry Year Period Ending in 2015 – AFY

Supply	2008	2009	2010
<i>Normal</i>			
Local Supply	13,952	14,053	14,034
Imported Supply	5,310	5,420	5,758
Supply Totals	19,263	19,473	19,791
<i>Multiple Dry Year</i>			
Local Supply	13,293	12,094	12,439
Imported Supply	7,260	8,099	8,450
Supply Totals	20,553	20,193	20,889
% of projected normal	106.7%	103.7%	105.5%

Comment: Supply years shown incorrectly as 2018, 2019 & 2020 on DWR Table 49 Projected Supply during Multiple Dry Year Period Ending in 2015

Response: DELETE table DWR Table 49 and INSERT revised DWR Table 49 below

Projected Supply During Multiple Dry Year Period Ending in 2015 – AFY

Supply	2013	2014	2015
<i>Normal</i>			
Local Supply	15,113	15,342	15,399
Imported Supply	5,858	6,023	6,157
Supply Totals	20,972	21,365	21,555
<i>Multiple Dry Year</i>			
Local Supply	13,670	12,041	12,840
Imported Supply	8,706	10,114	9,911
Supply Totals	22,376	22,155	22,751
% of projected normal	106.7%	103.7%	105.5%

UWMP Chapter 6 Regarding Review of Implementation of 2000 UWMP (Water Code § 10643 (a-d))

Comment: Provide Review of 2000 UWMP BMP Goals

Response: DELETE fourth paragraph in Section 6.0 and Table 6-1 in their entirety and INSERT the following paragraph and table (next page)


The City became a member of the CUWCC in August 2005 and thus became responsible for completing and submitting BMP Annual Reports to the CUWCC every two years for each year prior. The City completed and submitted their first BMP Annual Report in fiscal year 2006 showing implementation status of each BMP. This report also provides a determination of implementation from the City's 2000 UWMP as further summarized in Table 6-1. Attachment 1 includes the City's fiscal year 2006 Annual Report.

**Table 6-1 California Urban Water Conservation Council
 Best Management Practices**

Best Management Practices, BMP	2000 UWMP Implementation	UWMP 2005 Implementation Status
BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers	Yes	Complete
BMP 02: Residential Plumbing Retrofit	Yes	Complete
BMP 03: System Water Audits, Leak Detection, and Repair	Yes	Complete
BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing Connections	Yes	Complete
BMP 05: Large Landscape Conservation Programs and Incentives	Yes	Complete
BMP 06: High-Efficiency Washing Machine Rebate Programs	Yes	Complete
BMP 07: Public Education Programs	Yes	Complete
BMP 08: School Education Programs	Yes	Complete
BMP 09: Conservation Programs for CII Accounts	No	Complete
BMP 10: Wholesale Agency Assistance Programs	N/A	N/A
BMP 11: Conservation Pricing	Yes	Complete
BMP 12: Conservation Coordinator	Yes	Complete
BMP 13: Water Waste Prohibition	Yes	Complete
BMP 14: Residential ULFT Replacement Programs	Yes	Complete

Should you have any questions, please do not hesitate to contact me at 949) 644-3011. Thank you.

Sincerely,



Steve Myrter, P.E.
 Utilities Director

Enclosures: City of Newport Beach 2005-2006 BMP CUWDD Update Report