Presented below are water quality standards that are in effect for Clean Water Act purposes.

EPA is posting these standards as a convenience to users and has made a reasonable effort to assure their accuracy. Additionally, EPA has made a reasonable effort to identify parts of the standards that are not approved, disapproved, or are otherwise not in effect for Clean Water Act purposes.

APPENDIX 1

BASIN PLAN AMENDMENT TO THE WATER QUALITY CONTROL PLAN FOR THE COLORADO RIVER BASIN REGION TO REVISE INDICATOR BACTERIA FOR THE COACHELLA VALLEY STORM WATER CHANNEL

This Basin Plan amendment:

1. Revises the date on the title page of the Basin Plan.

2. Revises the Table of Contents to include the addition of section "E" to Chapter 3.

3. Adds to Chapter 3, section: "III. SPECIFIC SURFACE WATER OBJECTIVES", a new section labeled "E. COACHELLA VALLEY STORM WATER CHANNEL" that immediately follows section "D. IRRIGATION SUPPLY CANALS".

These Basin Plan revisions and addition are shown below in underlined and strikethrough format. Proposed changes are in reference to the Basin Plan as amended through 2007. Proposed additions are denoted by <u>underlined text</u>, proposed deletions are denoted by ~~strikethrough~~ text.

<u>AMENDMENT</u>

To the title page of the Basin Plan, revise the date to read as follows:

WATER QUALITY CONTROL PLAN
COLORADO RIVER BASIN- REGION 7
Includes Amendments Adopted by the Regional Board through ~~June 2006~~ <u>May 2010</u>

To the TABLE OF CONTENTS, "CHAPTER 3 – WATER QUALITY OBJECTIVES", under "III SPECIFIC SURFACE WATER OBJECTIVES", add "E. COACHELLA VALLEY STORM WATER CHANNEL", and renumber pages accordingly:

Under Chapter 3, section "III. SPECIFIC SURFACE WATER OBJECTIVES", add immediately after "D. IRRIGATION SUPPLY CANALS", the new section given below labeled "E. COACHELLA VALLEY STORM WATER CHANNEL"

E. COACHELLA VALLEY STORM WATER CHANNEL

The following bacterial objectives apply to a limited section of the Coachella Valley Storm Water Channel (CVSC) where perennial flow exists specifically, that part of the channel that begins at the Valley Sanitary District Waste Water Treatment Plant in the City of Coachella, and extends to the south for approximately 17 miles, where it discharges into the Salton Sea at the northern shore. The bacterial water quality objectives for this reach of the CVSC are expected to protect human health against gastro-intestinal illness caused by exposure to pathogenic organisms present in surface waters. These objectives are based on several epidemiological studies sponsored by USEPA, which determined that Escherichia coli (E. coli) is the most reliable indicator bacteria for protecting human health, given that E. coli is more specifically intestinal in origin than other coliforms. E. coli density limits for the CVSC are as follows:

Based on a minimum of five samples equally spaced over a 30 day period, the geometric mean of E. coli densities must not exceed the following:

	REC I	REC II
E. coli	126 MPN[1] per 100 ml	630 MPN per 100 ml

Nor shall any single sample exceed the following:

	REC I	REC II
E. coli	400 MPN[1] per 100 ml	2000 MPN per 100 ml

[1] MPN represents "Most Probable Number", which is defined as an index of the number of bacteria that, more probably than any other number, will give the results shown by the laboratory examination (APHA, 2005).