

(ATTACHMENT B TO ORDER NO. R8-2013-0043)

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION

RECEIVING WATERS AND URBAN RUNOFF MONITORING AND REPORTING
PROGRAM NO. R8-2013-0043
NPDES NO. CA8000410
FOR THE IMPLEMENTATION
OF BACTERIAL INDICATOR TOTAL MAXIMUM DAILY LOADS (TMDLs) FOR THE
MIDDLE SANTA ANA RIVER WATERSHED WATERBODIES
ISSUED TO THE CITIES OF CLAREMONT AND POMONA

I. GENERAL

- A. The monitoring and reporting program ensures that the Permittees are in compliance with requirements and provisions contained in this Order as they relate to the implementation of the Middle Santa Ana River (MSAR) Bacterial Indicator TMDLs. Revisions may be made under the direction of the Executive Officer at any time during the term of this Order, and may include redistribution of monitoring resources to address TMDL needs, a reduction or increase in the number of parameters to be monitored, the frequency of monitoring, or the number and size of samples collected.
- B. All sample collection, handling, storage, and analysis shall be in accordance with 40 CFR Part 136 (latest edition) "*Guidelines Establishing Test Procedures for the Analysis of Pollutants*," promulgated by the USEPA, the guidance being developed by the State Board pursuant to Water Code Section 133383.5, or other methods which are more sensitive than those specified in 40 CFR 136 and approved by the Executive Officer.
- C. The Executive Officer is authorized to allow the Permittees to participate in watershed-specific monitoring programs in lieu of or in addition to this monitoring program. In addition, the Permittees are authorized to complement their urban runoff monitoring data with data from other monitoring sources, provided the monitoring conditions and sources are similar to those in the permitted area.
- D. The monitoring program that will be referenced and described in this Monitoring and Reporting Program (MRP) is the regional MSAR TMDL monitoring efforts where the Permittees participate or make monetary contributions for the TMDL-related monitoring.

- E. If the Permittees opt to develop and implement their own MSAR Bacterial Indicator TMDLs monitoring program in lieu of participating in the regional group effort, the Permittees must coordinate monitoring efforts with other entities discharging into the MSAR Watershed. Ideally, all monitoring efforts should conform to the same quality assurance, data management, validation, and verification standards, therefore a single coordinated watershed Quality Assurance Program Plan (QAPP) should be used for all monitoring efforts. A previously developed QAPP may be used if an appropriate document exists, such as the Middle Santa Ana River Pathogen TMDL – BMP Implementation QAPP, otherwise a QAPP must be developed for this purpose. The Permittees should cooperate, as appropriate, with other MSAR MS4 Permittees (including those in Riverside and San Bernardino Counties) in the development of the QAPP, regional monitoring efforts, creation and maintenance of databases, and special studies.
- F. The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this Order shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than two years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than four years, or both [40 CFR 122.41(j)(5)]
- G. All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by an appropriate governmental regulatory agency.
- H. The selected water quality monitoring parameters should have a direct relationship to the designated beneficial uses in the receiving waters being monitored.
- I. To the extent practicable, all monitoring data and monitoring locations should be integrated into the MSAR GIS database system maintained by the Santa Ana Watershed Project Authority.

II. MSAR BACTERIA TMDL/WLA MONITORING (Figures 1 and 2)

The Permittees shall continue to participate in the MSAR Bacterial Indicator TMDL monitoring program to determine compliance with the waste load allocations (WLAs). This Order requires Permittees to conduct monitoring to determine the effectiveness of the BMPs implemented in reducing pollutant loads and eventually to attain WLAs by the deadlines specified in the TMDL implementation plans.

- A. On June 14, 2007, the TMDL task force members submitted a source evaluation plan and a monitoring plan. The Santa Ana Water Board approved

these plans on June 29, 2007, Resolution No. R8-2007-0046. A revised monitoring plan and an urban bacterial indicator source evaluation plan were approved by the Santa Ana Water Board on April 18, 2008, Resolution No. R8-2008-0044 (See Figures 2 and 3). The MSAR Permittees within the MSAR watershed shall continue to conduct monitoring and source evaluations in accordance with the approved plans and report the findings in accordance with the schedules specified in the approved plans or as updated by subsequent Santa Ana Water Board approved revisions.

- B. In conformance with Task 3 of the TMDL Implementation Plan contained in Resolution R8-2005-0001, the Permittees shall individually, or in conjunction with the MSAR TMDL Task Force, prepare a triennial report summarizing the data collected for the preceding 3 year period and evaluating compliance with the WLAs. The first report shall be due February 15, 2014.
- C. The Permittees shall conduct monitoring and reporting consistent with Section V.D. of this Order to evaluate the effectiveness of the BMPs implemented in the watershed and determine their progress towards attaining compliance with the interim WQBELS, and final BMP-based WQBELS, if approved, or the final numeric WQBELS/WLAs.

VI. RECORD KEEPING REQUIREMENTS

All monitoring activities shall meet the following requirements:

- A. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity [40 CFR 122.41(j)(1)]. Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored discharge, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets, and maintenance-related conditions affecting effluent quality in the case of storm channels and flow quality in the case of streams and lakes. Representative sampling also includes development of a testable hypothesis, appropriate site selection, applicable and accepted sampling methodologies, laboratory methods, and frequency of sampling.
- B. The Permittees shall retain records of all monitoring information, including all calibration and maintenance of monitoring instrumentation, copies of all reports prepared as per this MRP and records of all data used to complete the Report of Waste Discharge and annual reports for a period of at least five years from the date of the sample, measurement, report, or application. This period may be extended by request of the Santa Ana Water Board or USEPA at any time and shall be extended during the course of any unresolved litigation regarding this discharge [40 CFR 122.41(j)(2), CWC section 13383(a)].
- C. Records of monitoring information shall include [40 CFR 122.41(j)(3)]:

- a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
- D. Calculations for all effluent limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this MRP [40 CFR 122.41(l)(4)(iii)].
- E. The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both [40 CFR 122.41(k)(2)].

VII. REPORTING SCHEDULE

All reports required by this Order shall be submitted to the Executive Officer in accordance with the following schedule:

MSAR TMDL Reporting Schedule (Order R8-2010-0036)			
Permit Section No.	ITEM	COMPLETION TIME AFTER PERMIT ADOPTION OR FREQ.	REPORT DUE DATE
V.D.1.a.ii	MSAR Permittees shall submit MSAR reports of watershed-wide monitoring program for wet and dry season respectively	May 31 and Dec 31	Starting in 2013, annually thereafter
V.D.1.a.iii	MSAR Permittees shall submit MSAR comprehensive reports	Feb 15	Starting in 2013 and every three years thereafter
V.D.1.a.iv	MSAR Permittees shall submit MSAR semi-annual reports	January 31 & July 31	Annually
V.D.1.a.v	MSAR Permittees shall revise MSWMP in accordance with MSAR-TMDL Implementation program	Nov 15, 2014	Annual report
V.D.1.a.vi	MSAR Permittees shall revise the WQMP in accordance with MSAR-TMDL implementation program	Nov 15 of every year	Annual report

V.D.1.a.vii	MSAR Permittees shall amend the LID in accordance with the revised MSWMP/WQMP	Within 90 days after RB approves revisions	Nov 15 of each year
V.D.2.b.ii	MSAR Permittees shall prepare for approval the draft CBRP to achieve compliance for Dry Weather Conditions	November 30, 2013	
V.D.2.b.ii	MSAR Permittees shall submit Final version of CBRP	30 days after receiving comments from the Santa Ana Water Board	

Date: _____

Ordered by _____

Kurt V. Berchtold
Executive Officer

Figure 1: MSAR TMDL Watershed-wide Monitoring Locations

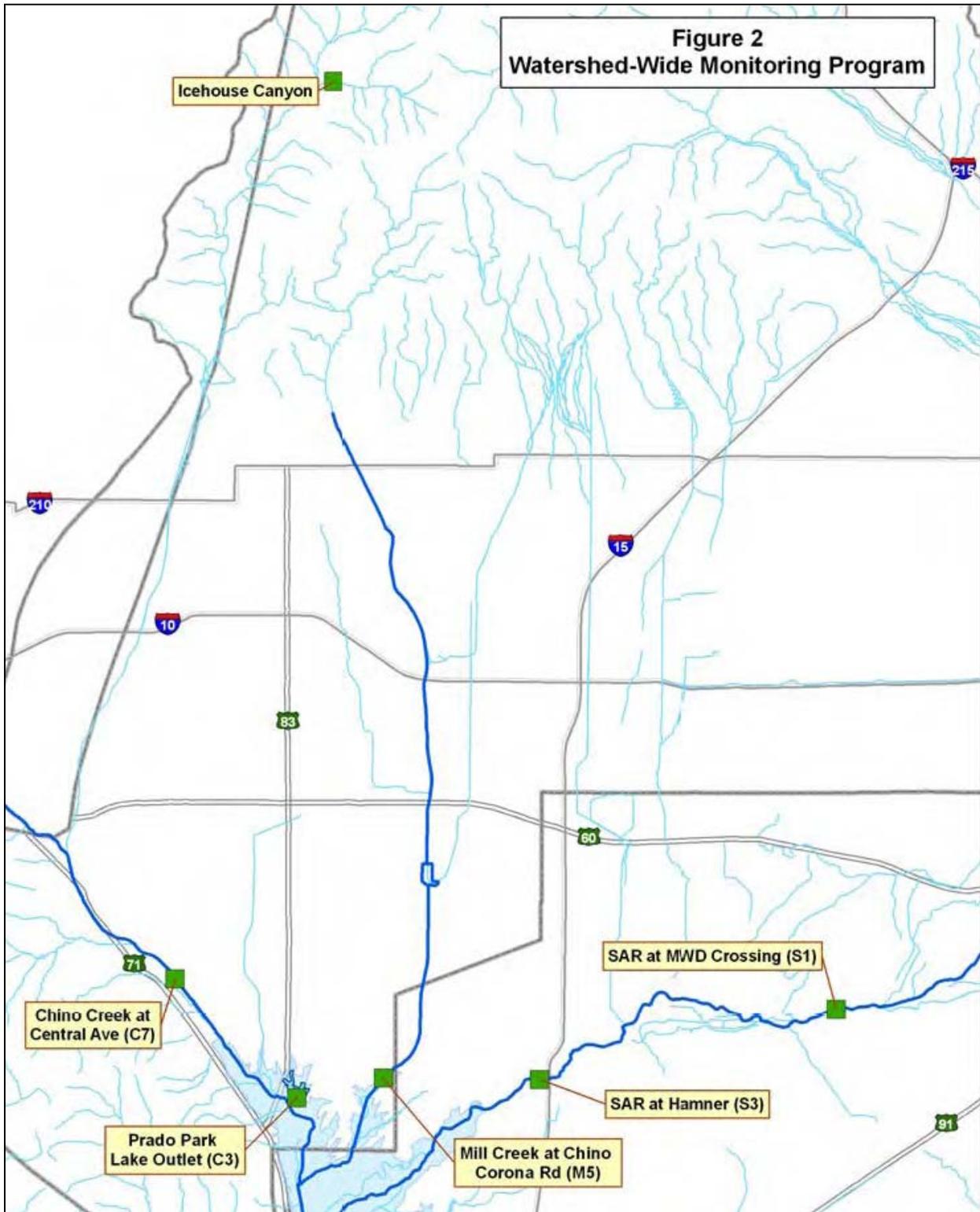


Figure 3: MSAR TMDL USEP Monitoring Locations [HAS1]

