

STATE WATER RESOURCES CONTROL BOARD  
RESOLUTION NO. 2001 - 111

AUTHORIZING THE EXECUTIVE DIRECTOR OR DESIGNEE  
TO NEGOTIATE, EXECUTE, AND AMEND CONTRACTS  
WITH THE SANTA ANA WATERSHED PROJECT AUTHORITY (SAWPA)  
TO PROVIDE FUNDING FOR THREE PROJECTS  
FROM THE SOUTHERN CALIFORNIA INTEGRATED  
WATERSHED PROGRAM (SCIWP) ESTABLISHED IN THE  
COSTA-MACHADO WATER ACT OF 2000 (2000 BOND ACT)

WHEREAS:

1. The 2000 Bond Act authorized \$235 million through the SCIWP for the State Water Resources Control Board (SWRCB) to allocate to SAWPA for projects to rehabilitate and improve the Santa Ana River Watershed.
2. SAWPA seeks SCIWP funding for the following three projects pursuant to a management and administration contract with the SWRCB approved by the Department of General Services on February 8, 2001:
  - a. San Bernardino Baseline Feeder Project
  - b. San Bernardino High Groundwater Pumpout Project
  - c. City of Redlands Recycled Water Project.
3. These projects are consistent with the SCIWP goals of developing regional programs to address problems facing the watershed, to enhance native habitat along the Santa Ana River and its tributaries, and to improve water use efficiency.
4. The lead agency prepared an Environmental Impact Report for the San Bernardino Baseline Feeder Project and filed a Notice of Determination (NOD) with the Office of Planning and Research (OPR) (SCH# 1999091073). Potential impacts to water quality related to waste discharge, drainage patterns, storm water runoff, and flooding were all found to be less than significant in the initial study prepared as part of the Notice of Preparation. Construction related impacts involving the cleaning and testing of water system improvements and sediment generation might affect water resources downstream, but standard construction and maintenance practices and National Pollutant Discharge Elimination System (NPDES) permit requirements incorporate best management practices (BMPs) to minimize potential discharges of construction related impacts to downstream water resources below the level of significance.
5. The lead agency adopted a Negative Declaration and Mitigation Monitoring Plan for the San Bernardino High Groundwater Pumpout Project on December 1, 1998. Minor changes to the originally proposed Pilot Dewatering Project were required. The lead agency filed a Notice of Exemption on August 6, 2001 (SCH# 2001088085)

for the proposed project revision. The impacts to water quality shall be mitigated to a less than significant level, as specified in the Attachment.

6. A Notice of Determination for a Mitigated Negative Declaration was filed with OPR on July 25, 2001 (SCH# 2001051046). Mitigation measures were made a condition of lead agency approval of the project, as specified in The Attachment.

THEREFORE BE IT RESOLVED THAT:

1. The SWRCB authorizes the Executive Director or designee to negotiate, amend, and execute contracts with SAWPA for funding the following three projects from SCIWP for a combined total of \$23,465,000: (a) \$14,000,000 for the San Bernardino Baseline Feeder Project, (b) \$4,465,000 for the San Bernardino High Groundwater Pumpout Project, and (c) \$5,000,000 for the City of Redlands Recycled Water Project.
2. The SWRCB requires that mitigation measures be included in the contracts for the San Bernardino High Groundwater Pumpout Project and for the City of Redlands Recycled Water Project.

CERTIFICATION

The undersigned, Clerk to the Board, does hereby certify that the foregoing is a full, true, and correct copy of a resolution duly and regularly adopted at a meeting of the State Water Resources Control Board held on October 18, 2001.

/s/

Maureen Marché  
Clerk to the Board

# Attachment

## 1. San Bernardino Baseline Feeder Project

### Project Description

The project will install water distribution facilities to allow conveyance of groundwater extracted from the San Bernardino Basin Area (Basin) westerly to water purveyors overlying the Chino Basin, including the Fontana Water Company within the western portion of the San Bernardino Valley Municipal Water District (SBVMWD). A significant element in the implementation of the Coordinated Operation Agreement between the Metropolitan Water District of Southern California and SBVMWD, the Baseline Feeder will be utilized to help manage groundwater levels in the Basin and accommodate conjunctive water use during drought times. This project will provide SBVMWD the facilities to better utilize the approximately 5.5 million acre-feet water resource available in the Basin.

### California Environmental Quality Act (CEQA) Review, Findings, and Mitigation and Monitoring Measures – State Clearing House No. 1999091073

The SBVMWD initially circulated a draft program environmental impact report (DPEIR) for the Regional Water Facilities Master Plan, which includes review of this project.

Subsequent to the DPEIR, a Notice of Determination was filed with the County of San Bernardino and the County of Riverside in which the SBVMWD approved the Baseline Feeder Project and determined that it would not have a significant effect on the environment.

Potential impacts to water quality related to waste discharge, drainage patterns, storm water runoff, and flooding were all found to be less than significant in the initial study prepared as part of the Notice of Preparation. Construction related impacts involving the cleaning and testing of water system improvements and sediment generation might affect water resources downstream, but standard SBVMWD construction and maintenance practices and National Pollutant Discharge Elimination System (NPDES) permit requirements incorporate best management practices (BMPs) to minimize potential discharges of construction related impacts to downstream water resources below the level of significance.

### Funding Requirements

A total of \$14,000,000 is requested for funding based on a total project cost of \$64,121,706.

## 2. San Bernardino Valley Municipal Water District, High Groundwater Pumpout, Phase I

## Project Description

The project will lower the high groundwater level to 15 feet below ground surface in the Area of Historic High Groundwater in a portion of the Bunker Hill Groundwater Basin. Existing production wells and conveyance facilities and three to five new dewatering wells will be used in order to meet the overall objective of removing up to 25,000 acre-feet per year. Ten monitoring wells will also be constructed in order to monitor the effects of the additional 25,000 acre-feet of production on the high groundwater problem. The product water will be conveyed via the Santa Ana River to the Orange County Water District. To protect the water quality of the Santa Ana River, the extracted water must meet the water quality objectives of the Santa Ana Regional Water Quality Control Board (SARWQCB).

## CEQA Review, Findings, and Mitigation and Monitoring Measures – State Clearing House No. 98101067

The SBVMWD adopted the Negative Declaration and Mitigation Monitoring Plan for the Pilot Dewatering Project on December 1, 1998. Minor changes to the originally proposed Pilot De-watering Project were required. The SBVMWD filed a Notice of Exemption on August 6, 2001 (SCH # 2001088085) for the proposed project revision.

As detailed in the Mitigation Monitoring Program, the impacts regarding water quality shall be mitigated to a less-than-significant level. The following mitigation measures will be incorporated into the project contract:

- The extraction wells will be sampled prior to initial discharge in conjunction with the Pilot Dewatering Program.
- Sample testing will analyze for a general mineral suite, a metals suite, and the following constituents: trichloroethylene (TCE), tetrachloroethylene (PCE), debromochloropropane (DBCP), Nitrate (NO<sub>3</sub>), perchlorate.
- Monthly sampling of each operating extraction well will be conducted. Sample testing will analyze for total dissolved solids (TDS) and NO<sub>3</sub>.
- Annual sampling of each operating extraction well will be conducted. Sample testing will analyze for TCE, PCE, DBCP, and perchlorate.
- Extractions in conjunction with the Pilot Dewatering Program are to be discontinued at any individual well if initial sampling or annual monitoring indicates that any of the following conditions occur:
  - Wells exhibit levels of TCE, PCE, or DBCP exceeding the applicable Maximum Contaminant Level (MCL).
  - Wells exhibit levels of NO<sub>3</sub> exceeding the applicable drinking water standard.
  - Wells exhibit levels of perchlorate exceeding the applicable provisional action level set by the Department of Health Services (DHS).

- Monitoring of the dewatering program will prevent excessive drawdown of the aquifer.

### Funding Requirements

A total of \$4,465,000 is requested for funding based on a total project cost of \$6,532,000.

## **1. City of Redlands (City) Recycled Water Project**

### Project Description

The project will include construction of advanced wastewater treatment processes at the existing Redlands Wastewater Treatment and Disposal Facility and install underground pipelines to convey recycled water to various locations within the City. The proposed treatment process allows the City to more effectively produce effluent that meets proposed new regulations for total inorganic nitrogen (TIN) concentrations of 10 milligrams per liter or less. Recycled water will be sold and used for irrigation and cooling water at an electrical generating plant. Modifications and upgrades to the existing plant and equipment are required. In addition, filtration and disinfection equipment will be installed to process the secondary effluent into tertiary effluent to meet Water Recycling Criteria of the California Code of Regulations Title 22, Division 4, Chapter 3.

### CEQA Review, Findings, and Mitigation and Monitoring Measures - State Clearing House No. 2001051046

SARWQCB staff responded to the Notice of Completion of the Initial Study/Mitigated Negative Declaration (IS/MND) on June 7, 2001, with mitigation measures designed to protect water quality. A Notice of Determination for a Mitigated Negative Declaration was filed with the County of San Bernardino on July 23, 2001.

- The required mitigation measures will be incorporated into the project contract and include the following:
  - No waste materials may be discharged into any drainage areas, channels, or streams. Spoil sites may not be located within any streams or areas where spoil material could be washed into a water body.
  - A notice of intent (NOI) under the General Construction Activity Storm Water Runoff Permit must be submitted to the SWRCB at least 30 days prior to initiation of construction.
  - Appropriate BMPs shall be implemented during construction to control the discharge of pollutants, prevent sewage spills, and avoid tracking of sediments into the streets, storm water conveyance channels, or waterways.

- An NPDES permit is required by the SARWQCB. As a result of this facility modifying its treatment unit, the NPDES permit required for storm water runoff and the Waste Discharge Requirements must be revised.
- Treated effluent must meet the California Code of Regulations (CCR) Title 22 Water Recycling Criteria and the SARWQCB's Water Quality Control Plan (Basin Plan) Water Quality Objective for TIN if used for groundwater recharge.
- The irrigation systems that will use the treated effluent must be properly constructed, operated, and maintained in conformance with CCR Title 22 and requirements of the SARWQCB. Excess runoff or soil saturation from the system should be avoided to prevent the treated effluent from reaching waterways.

Staff has determined that these measures would reduce water quality impacts below the level of significance.

#### Funding Requirements

A total of \$5,000,000 is requested for funding based on a total project cost of \$15,500,000.