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FEE EXEMPT

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SEP 28 2001

Christine B. Lohman

8 **SUPERIOR COURT OF THE STATE OF CALIFORNIA**
9 **COUNTY OF SAN BERNARDINO - RANCHO CUCAMONGA DIVISION**

11 CHINO BASIN MUNICIPAL WATER DISTRICT,)

12 Plaintiff,

13 v.

14 THE CITY OF CHINO,

15 Defendants.)

CASE NO. RCV 51010

Judge: Honorable J. MICHAEL GUNN

**OBMP IMPLEMENTATION
STATUS REPORT NO.2**

Hearing Date: Nov. 15, 2001
Time: 2:00 p.m.
Dept: 8

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20 **I.**
21 **INTRODUCTION**

22 Watermaster has made substantial and significant progress in the implementation of the
23 Optimum Basin Management Program ("OBMP"). For example, Watermaster has completed both
24 the Recharge Master Plan as well as the initial round of groundwater quality monitoring one year
25 ahead of schedule. In addition, Watermaster has made progress in obtaining significant levels of
26 funding for both of these implementation items. Details concerning these, as well as other aspects
27 of OBMP implementation, follow.

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II.
STATUS OF IMPLEMENTATION OF OBMP PROGRAM ELEMENTS

A. Program Element 1 Comprehensive Monitoring Program

Groundwater Level Monitoring. The spring round of the semiannual groundwater level monitoring program has been completed. Watermaster staff continues to monitor groundwater levels at about 250 wells twice per month in the immediate areas of the Desalter 1 and proposed Desalter 2 well fields. A geo-statistical analysis of aquifer storage properties has been completed using well logs to provide a tool for Watermaster staff to compute changes in storage. Watermaster staff will continue the semiannual mass groundwater level-monitoring program this fall collecting groundwater level data from all agricultural wells that are measurable and from cooperating entities in the other pools. Watermaster staff will continue the focused groundwater-level monitoring near the existing and proposed desalter wells indefinitely.

Groundwater-Quality Monitoring. Watermaster staff completed the initial round of groundwater quality monitoring this spring. This is one year earlier than stated in the implementation plan. Watermaster staff successfully negotiated a 205J grant with the State Board and will receive about \$84,000 to support groundwater quality monitoring in fiscal 2001/02. Monitoring for fiscal 2001/02 will be conducted at 200 wells to further refine groundwater quality in the area tributary to the existing and proposed desalter wells. A key well program will be established in fiscal 2001/02. A comprehensive geographical information system and relational data base has been developed to manage the groundwater quality and level data.

Watermaster staff completed a notification process for all agricultural wells monitored by Watermaster. Well owners were informed of the water quality results at their wells and given notice where constituents exceeded drinking water standards.

Groundwater Production Monitoring. The survey of abandoned wells in the agricultural pool has been completed. Watermaster staff has assigned 213 wells to contractors to either repair existing meters or install new meters. The remaining wells will be assigned to contractors in the next reporting period. Meter repair and installation is on schedule to be completed by June 2003.

1 **Surface Water Monitoring.** Watermaster staff completed the fiscal 2000/01 round of
2 surface water quality sampling at flood retention and conservation basins throughout the Basin.
3 These data are stored and managed in a relational database. Watermaster staff will continue this
4 program in fiscal 2001/02, expanding the suite of water quality constituents to include total
5 organic carbon. Watermaster staff is coordinating with the United States Geological Survey
6 ("USGS") to develop a synoptic surface water discharge monitoring program for non-storm flows
7 in the Santa Ana River to measure groundwater losses to and gains from the Santa Ana River.
8 This program will be implemented in the late winter of 2002. Water quality samples will also be
9 taken at the same locations that the USGS is taking measurements and at other gaged locations,
10 on the same day that the USGS is taking their measurements. Watermaster staff is preparing plans
11 and specifications for the installation of six new water level sensors in San Sevaine 1, 2 and 3,
12 Lower Day basin, Victoria basin and Banana basin. These sensors will be installed in fiscal
13 2001/02 to measure inflow and recharge. Field investigations (drilling and trenching) have been
14 made part of the design engineering for the basins in the Recharge Master Plan .

15 **Ground Level Monitoring.** Watermaster staff has developed a multifaceted ground level
16 monitoring program that consists of using synthetic aperture radar interferometry (InSAR),
17 research of historical ground level data, and construction of a dual-borehole extensometer. The
18 InSAR work is in progress and should be completed in the next two months. Based on a review
19 of the InSAR work and historical ground level survey data, a ground level monitoring program
20 will be developed. Plans and specifications for the construction of a multi-depth piezometer have
21 been developed and are under review. The multi-depth piezometer will be used to monitor
22 piezometric levels at several depths and to determine the final construction details of the dual-
23 borehole extensometer. Sites for the multi-depth piezometer and dual-borehole extensometer
24 have been selected and Watermaster staff is working with the appropriate entities to facilitate
25 installation of the extensometer at one of these sites. Watermaster staff expects to complete
26 installation of the multi-level piezometer and the dual-borehole extensometer this fiscal year.

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1 **B. Program Element 2 Comprehensive Recharge Program**

2 **Recharge of 6,500 acre-ft of Supplemental Water in Management Zone 1.**

3 Watermaster completed recharge of 6,500 acre-ft in Management Zone 1 in fiscal 2000/01 as
4 required by the Peace Agreement. Watermaster staff is coordinating with IEUA, Metropolitan,
5 the CBWCD and others, to begin to spread 6,500 acre-ft for 2001/02 in October 2001.

6 **Completion of the Phase II Recharge Master Plan.** Watermaster staff completed the
7 Phase II Recharge Master Plan one year ahead of schedule (see the Watermaster Web site). The
8 Phase II Recharge Master Plan includes recharge projects to increase stormwater and imported
9 water recharge that will cost about \$50 million. Watermaster, working with IEUA, CBWCD and
10 the County of San Bernardino is submitting an application through SAWPA for funding of about
11 \$20 million. The remaining funding is a social share covered by the Peace Agreement. An
12 environmental assessment is currently being prepared by IEUA. The goal is to improve existing
13 basins and to construct two new basins by the end of 2003. Watermaster staff and IEUA are
14 preparing a Request for Proposals to design the basin improvements and to prepare construction
15 plans and specifications. It is anticipated the design consultant(s) will be selected in November
16 2001.

17 As part of the Recharge Master Plan, Watermaster began exploring opportunities for On
18 Site Recharge. Watermaster, IEUA, CBWCD and the Rocky Mountain Institute ("RMI") co-
19 sponsored a conference entitled: "Beyond BMP's: Integrated Storm Water Management
20 Opportunities for Multiple Benefits in the Chino Basin" in July of this year. The conference
21 explored less traditional management approaches to capturing and using storm water runoff on
22 site. Speakers included Watermaster staff, and representatives from RMI and NASA. As such
23 opportunities are better defined, a supplement to the Recharge Master Plan will be issued.

24 Watermaster also supported efforts of Monte Vista Water District to obtain grant funding
25 to investigate the feasibility of injection as a means to recharge water in Management Zone 1.
26 Monte Vista was awarded the grant, and Watermaster staff is working with Monte Vista so that
27 the scope of work for the effort is consistent with the OBMP.

28 Finally, IEUA has started a Title 22 compliance investigation to determine appropriate

1 volumes and locations of recycled water recharge. Watermaster staff is monitoring this activity
2 for consistency with the OBMP and the Peace Agreement. This study should be completed in
3 fiscal 2001/02.

4 **C. Program Element 3 – Develop and Implement Water Supply Plan for the**
5 **Impaired Areas of the Basin and Program Element 5 – Develop and**
6 **Implement Regional Supplemental Water Program**

7 A Status Report on the progress of the formation of the Chino Basin Desalter Authority
8 ("CDA") and the progress toward construction of the expansion of the Chino I and the
9 construction of the Chino II Desalter was filed with this Court on September 20, 2001. However,
10 because the desalter negotiations continue, a supplemental status report will be filed to update the
11 Court on the negotiations and to clarify, amplify or amend any of the items reported in the
12 September 20, 2001 filing.

13 **D. Program Element 4 Develop and Implement a Comprehensive Groundwater**
14 **Management Program For Management Zones 1 and 3.**

15 **Management Zone 1.** As mentioned above in Program Element 1, Watermaster staff is
16 conducting scientific investigations in Management Zone 1 regarding the ground level changes.
17 The Cities of Chino and Chino Hills are involved in discussions regarding the management of
18 groundwater production in Management Zone 1. These discussions are ongoing.

19 **Management Zone 3.** The recharge plan necessary to meet the production needs within
20 Management Zone 3 is addressed in the Phase II Recharge Master Plan.

21 **E. Program Element 6 Cooperative Efforts and Program Element 7 Salt**
22 **Management**

23 Watermaster staff is participating in the process to develop TMDLs for Reach 3 of the
24 Santa Ana River and other water bodies in the lower Chino Basin. Watermaster staff is
25 coordinating with the Regional Water Quality Control Board with regard to surface water quality
26 and the Department of Toxic Substances Control with regard to developing a monitoring program
27 to track perchlorate in groundwater in the Glen Avon area.

28 Watermaster staff is working to develop a salt budget for the Chino Basin and will

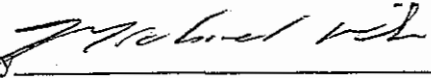
1 complete the analysis by the end of the calendar year 2001.

2 **F. Program Element 8 Storage Management and Program Element 9 Storage**
3 **and Recovery Program**

4 Watermaster staff developed and distributed a Request for Proposals to participate in a
5 storage and recovery program in the Chino Basin. Ten proposals were received and more are
6 expected. A press release has been completed and distributed, and the process for moving
7 forward is being discussed. Watermaster staff is reviewing these proposals and developing a draft
8 workplan to institute the storage and recovery program.

9
10 DATED: 9/27/01

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12 By 

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