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FILED-Rancho Cucamonga District
SAN BERNARDINO COUNTY
SUPERIOR COURT

MAR 30 2001

By *Nancy S. DeWing* Deputy

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

11 CHINO BASIN MUNICIPAL WATER DISTRICT,)
12 Plaintiff,)
13 v.)
14 THE CITY OF CHINO,)
15 Defendants.)
16

CASE NO. RCV 51010
Judge: Honorable J. MICHAEL GUNN

OBMP IMPLEMENTATION
STATUS REPORT

HATCH AND PARENT
21 East Carrillo Street
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17 I.
18 STATUS OF IMPLEMENTATION OF OBMP PROGRAM ELEMENTS

19 Exhibit "A" to this pleading is a task table taken from a Microsoft Project schedule for
20 the Optimum Basin Management Program ("OBMP"). The discussion below is organized
21 around this exhibit. Exhibit "B" presents a summary of OBMP expenditures by year through
22 fiscal year 2000/01 and an estimate of the fiscal year 2001/02 budget. Note that the estimated
23 budget may change slightly depending on the results of engineering studies currently underway
24 and the Watermaster process.

25 A. PROGRAM ELEMENT 1 DEVELOP AND IMPLEMENT COMPREHENSIVE
26 MONITORING PROGRAM

27 There are several monitoring activities underway at Watermaster pursuant to the OBMP
28 Implementation Plan (Exhibit B of the Peace Agreement). In summary, the monitoring programs

1 implemented by Watermaster are consistent with the Implementation Plan and are on schedule.
2 The technical concepts of these monitoring programs can be found in the Implementation Plan.
3 The monitoring activities are described below.

4 **Groundwater Level Monitoring.** Watermaster began this program prior to approval of
5 the Peace Agreement. The groundwater-level monitoring program consists of two
6 complementary efforts – a semiannual comprehensive groundwater-level program generally
7 covering the area of the Chino Basin south of the 60 freeway, and an area-specific monthly
8 groundwater level program. The latter program is focused in the areas of the existing and
9 proposed desalter well fields. Watermaster staff is in the process of conducting the Spring 2001
10 comprehensive groundwater-level program and will complete the data collection portion of the
11 program by early May 2001. Watermaster staff will prepare a key-well groundwater-level
12 monitoring program necessary for Basin management based on the data collected through May
13 2001. The key-well groundwater-level program will be developed by June 28, 2001 and will be
14 implemented immediately in fiscal year 2001/02.

15 The desalter groundwater level program was developed to provide baseline and with-
16 desalter groundwater level information to determine desalter impacts on nearby wells and to
17 develop information on the aquifer properties in these areas. This program is ongoing and will
18 continue indefinitely at some scale into the future. The groundwater level data collected in both
19 programs is entered into a relational database for use by Watermaster staff.

20 **Groundwater Quality Monitoring.** Watermaster began this program prior to approving
21 the Peace Agreement. Originally this groundwater quality monitoring program consisted of a
22 three-year program of collecting at least one sample from every operating agricultural well as
23 well as collecting all other groundwater quality data at wells that is available and can be obtained
24 from municipal and industrial supply wells, and from monitoring wells used in special studies
25 and regulatory actions. A key-well groundwater quality monitoring program was to be developed
26 at the end of the third year in June of 2002. Watermaster accelerated this program and will
27 complete development of a key-well groundwater quality monitoring program by June 28, 2001 –
28

1 one year early. The groundwater quality data collected in this program is entered into a relational
2 database for use by Watermaster staff.

3 **Groundwater Production Monitoring.** Watermaster started a procurement process to
4 retain contractors that will test, calibrate, replace and/or install meters at all agricultural wells in
5 the Chino basin. Through December 29, 2000 Watermaster had prepared a bid document,
6 advertised, and negotiated agreements with two contractors. One contractor is already working
7 because his existing contract scope was amended to include meter installation in addition to

8 testing, calibrating and repairing. The other contract was approved and should be executed by
9 April 6, 2001. The program will be completed by June 30, 2003 as planned.

10 **Surface Water Monitoring.** Watermaster's surface water monitoring program includes
11 monitoring of surface water recharge and associated water quality, and the monitoring of surface
12 water discharge and associated water quality of the Santa Ana River and its tributaries in the
13 lower Chino Basin.

14 Watermaster has developed a proposed field investigation for recharge basins in the
15 Chino Basin for fiscal year 2000/01 that will run into the first few months of fiscal year 2001/02.
16 In this period Watermaster proposes to install water level sensors in the San Sevaine 1, 2 and 3,
17 and lower Day basins. The lithology underlying Jurupa, Etiwanda Conservation Ponds, RP3,
18 Victoria and Hickory basins will be characterized. Watermaster will coordinate installation of
19 water level sensors and subsurface investigations with CBWCD, IEUA, and the San Bernardino
20 County Flood Control District. The plans and specifications for this year's work will be
21 completed by June 1, 2001 and the work will be completed by November 2, 2001.

22 Watermaster staff will obtain water level data at Montclair, Brooks and Turner 1 basins
23 from CBWCD and will compute the inflow, recharge, outflow and evaporation at these basins.
24 The change in recharge rates over time both during the year and from prior years will be
25 assessed. Watermaster staff will use its recharge models to estimate the recharge in other
26 recharge basins (basins without water level sensors).

27 Watermaster staff has been obtaining water quality samples of storm and nuisance water
28 in recharge basins since fiscal year 1997/98. These samples are obtained throughout the late fall,

1 winter and spring. The data collection for this year's program will conclude on June 29, 2001,
2 and the analysis of data will be complete in August of 2001. This data will be reviewed and the
3 sampling and analysis plan may be revised for the fiscal 2001/02 program. This data is being
4 entered into a relational database for use by Watermaster staff.

5 Watermaster staff is developing a surface water discharge and water quality monitoring
6 program to assess the recharge of Santa Ana River water in the reach upstream of Prado
7 reservoir, and to assess rising groundwater discharges from the Chino Basin to the Santa Ana
8 River and its tributaries in the Prado reservoir area. This information will be used in the future to
9 assess the success of OBMP management practices for hydraulic control and maximization of
10 safe yield. Watermaster staff will complete development of the monitoring plan by mid-June
11 2001 and will begin monitoring in fiscal 2001/02.

12 **Ground Level Monitoring.** Watermaster staff has begun procurement of synthetic
13 aperture radar (SAR) interferometry imagery for the entire Chino Basin for the years 1992, 1994,
14 1996, 1998 and 2000. The SAR imagery will be available by May 15, 2001. Watermaster staff
15 will initiate research of changes in benchmark data for the Chino Basin area and will complete
16 this analysis by may 31, 2001. A ground level survey plan will be developed by June 28, 2001
17 and will be implemented in FY 2001/02.

18 Watermaster staff is currently involved in siting two extensometers in the southwest
19 Chino Basin – one in the subsidence zone in the city of Chino and the other near the west end of
20 the Chino airport runways adjacent to the SAWPA desalter wells. Watermaster staff is reviewing
21 other extensometer facilities in other basins and is developing plans and specifications for the
22 Chino extensometers. The sites should be acquired and the plans and specifications prepared by
23 mid July 2001. The extensometers should be constructed and operating by December 28, 2001.

24 **B. PROGRAM ELEMENT 2 – DEVELOP AND IMPLEMENT COMPREHENSIVE**
25 **RECHARGE PROGRAM**

26 Conduct Baseline Assessment of Stormwater Recharge. Watermaster staff conducted a
27 field reconnaissance of existing facilities capable of recharging storm water, revised its recharge
28 model and prepared a revised estimate of stormwater recharge. This work was completed in

1 September 2000.

2 **Recharge 6,500 acre-ft/yr for First Five Years of OBMP Implementation.**

3 Watermaster started recharging state project water in the Montclair basins in September 2000 and
4 will reach 6,500 acre-ft by the end of April 2001. Watermaster will repeat this recharge at the
5 Montclair Basins for each of the next four years, starting in the fall and concluding as soon as
6 possible within each year. The time required to recharge 6,500 acre-ft in a given year depends on
7 the availability of state project water from Metropolitan Water District of Southern California,

8 and conflicts that may occur from stormwater inflow and recharge of storm flow in these
9 recharge basins. When significant storms are anticipated, Watermaster and Metropolitan reduce
10 or stop deliveries of state project water to the basins to avoid spilling water held in the basins for
11 recharge and to maximize stormwater recharge.

12 **Update the Recharge Master Plan.** Watermaster is updating its Recharge Master Plan
13 ahead of schedule and expects to have completed a final draft by June 29, 2001. Watermaster
14 accelerated the master plan to take advantage of funds from Proposition 13. Some of the
15 engineering investigations that were planned to be included in the Master Plan update will be
16 done after June 30th this year and will be included in subsequent Master Plan updates.

17 **Implement High Priority Recharge Projects from Recharge Master Plan.** This task
18 will begin in July 2001. The schedule of activities is shown in Exhibit "A." Construction should
19 start in June of 2002. Completion dates will vary for each of the projects and thus the schedule
20 in Exhibit "A" should be considered tentative.

21 **Planning, Engineering, and Construction of Second-tier Recharge Projects.**

22 Planning and Engineering for second-tier projects will begin in January 2002. Construction of
23 these facilities will occur in subsequent years based on the need for these facilities and the
24 availability of funding. These facilities may be constructed as early as November 2005.

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1 **C. PROGRAM ELEMENT 3 DEVELOP AND IMPLEMENT WATER SUPPLY PLAN**
2 **FOR THE IMPAIRED AREAS OF THE BASIN & PROGRAM ELEMENT 5**
3 **DEVELOP AND IMPLEMENT REGIONAL SUPPLEMENTAL WATER**
4 **PROGRAM**

5 A facilities map that shows the most current proposal on the location of the desalter
6 facilities and product water facilities was submitted to the Court as Exhibit "B" to the
7 Watermaster pleading filed on March 23, 2001.

8 **Design and Construction of Desalter 1 Expansion.** Engineering consultants retained
9 by Project Committee 14 are currently engaged in well siting investigations, preparing
10 preliminary designs for raw water pipelines and treatment site improvements. The current goal
11 to complete the expansion of Desalter 1 by December 31, 2001.

12 **Design and Construction of Desalter 2.** The design of Desalter 2 has not started and is
13 pending resolution of certain issues in the purchase agreement between the desalter water
14 purchasers, IEUA and WMWD. Exhibit "C" is memo from Watermaster General counsel
15 describing the issues as of March 22, 2001. The current goal is to complete the Chino II Desalter
16 by December 31, 2003.

17 **D. PROGRAM ELEMENT 4 - DEVELOP AND IMPLEMENT A**
18 **COMPREHENSIVE GROUNDWATER MANAGEMENT PROGRAM FOR**
19 **MANAGEMENT ZONES 1 AND 3 (MZ1 AND MZ3)**

20 **Management Zone 1.** An initial stakeholders group met prior to completion of the Phase
21 1 OBMP report (prior to August 18, 1999). On February 12, 2001 a smaller stakeholder group
22 consisting of the Cities of Chino and Chino Hills and Watermaster staff met at the City of Chino
23 to start discussions regarding the subsidence and ground fissure problems that appear to be
24 related to groundwater production. The management concepts that were discussed include
25 reducing production and cooperation in developing replacement supplies. Additional meetings
26 are planned in April. The current goal is to develop an interim management strategy by October
27 31, 2001.

28 **Management Zone 3.** An initial stakeholder group was convened in July 2000 and has

1 met several times, the last meeting being on March 23, 2001. The OBMP investigations suggest
2 that 20,000 to 30,000 acre-ft/yr of supplemental recharge capacity will be required to balance
3 recharge and discharge. The group is focused on developing a long term recharge program that
4 will balance recharge and discharge in MZ3. The group is trying to negotiate an acceptable
5 recharge mix (location, water source, and recharge rate). The group is also focusing on the
6 potential for adverse water quality impacts caused by recharge on wells in the zone. The current
7 goal is to develop a management strategy for MZ3 by December 31, 2001.

8 **E. PROGRAM ELEMENT 6 – DEVELOP AND IMPLEMENT COOPERATIVE**
9 **PROGRAMS WITH THE REGIONAL WATER QUALITY CONTROL BOARD**
10 **AND OTHER AGENCIES TO IMPROVE BASIN MANAGEMENT & PROGRAM**
11 **ELEMENT 7 – DEVELOP AND IMPLEMENT A SALT MANAGEMENT**
12 **PROGRAM.**

13 **Cooperative Efforts with the Regional Water Quality Control Board.** Watermaster
14 staff has met with RWQCB staff regarding an MZ3 management strategy and regarding RP3.
15 Watermaster staff will schedule a meeting in July 2001 with the RWQCB staff to brief them on
16 water quality assessments that are currently being prepared by Watermaster staff. Watermaster
17 staff has been periodically reviewing Regional Board files and obtaining groundwater level and
18 quality data from the Regional Board as part of Program Element 1 efforts.

19 **Demonstration of Water Quality Improvement.** Watermaster staff is currently
20 developing an estimate of the salt budget for the Chino Basin. The initial assessment of the salt
21 budget will be completed by June 30, 2001.

22 **F. Program Element 8 – Develop and Implement Groundwater Storage Management**
23 **Program & Program Element 9 – Develop and Implement a Groundwater Storage**
24 **and Recovery Program**

25 A management program for local storage was developed by the producers and has been
26 included in the proposed *Watermaster Rules and Regulations* (March 2001). Other Activities
27 related to Program Elements 8 and 9 are summarized below.

28 **Estimate Operational Storage Requirement and Safe Storage.** The operational

EXHIBIT A

Exhibit A
Schedule of OBMP Activities and Status

| ID | O | Task Name | Duration | Start | Finish | Text1 |
|----|---|--|------------|--------------|--------------|-----------|
| 1 | | Program Element 1 - Comprehensive Monitoring Program | 2277 days? | Tue 7/1/97 | Wed 3/22/06 | |
| 2 | | Groundwater Level Monitoring | 1522 days? | Wed 9/1/99 | Thu 6/30/05 | Started |
| 3 | | Basin-wide Groundwater Level Monitoring | 1522 days? | Wed 9/1/99 | Thu 6/30/05 | Started |
| 4 | | Complete Fall 1999 Round | 88 days? | Wed 9/1/99 | Fri 12/31/99 | Completed |
| 5 | | Complete Spring 2000 Round | 64 days? | Tue 2/1/00 | Fri 4/28/00 | Completed |
| 6 | | Complete Fall 2000 round | 72 days | Mon 7/31/00 | Tue 11/7/00 | Completed |
| 7 | | Watermaster staff obtains levels | 65 days | Mon 7/31/00 | Fri 10/27/00 | Completed |
| 8 | | Obtain groundwater level data from cooperators | 20 days | Mon 7/31/00 | Fri 8/25/00 | Completed |
| 9 | | Data entry and quality assurance (weekly) | 72 days | Mon 7/31/00 | Tue 11/7/00 | Completed |
| 10 | | Complete Spring 2001 | 106 days | Thu 2/1/01 | Thu 6/28/01 | Started |
| 11 | | Watermaster staff obtains levels | 83 days | Thu 2/1/01 | Mon 4/30/01 | Started |
| 12 | | Obtain groundwater levels from cooperators | 40 days | Thu 3/15/01 | Wed 5/9/01 | Started |
| 13 | | Data entry and quality assurance (weekly) | 57 days | Wed 2/28/01 | Thu 5/17/01 | Started |
| 14 | | Interpret data and prepare maps, time history plots | 30 days | Fri 5/18/01 | Thu 6/28/01 | Future |
| 15 | | Submit a recommended key-well GW level monitoring program | 0 days | Thu 5/28/01 | Thu 6/28/01 | Future |
| 16 | | Conduct Long-Term Groundwater-Level Monitoring Program | 1044 days | Mon 7/2/01 | Thu 6/30/05 | Future |
| 17 | | Conduct Long-Term Groundwater-Level Monitoring 2001/02 | 260 days | Mon 7/2/01 | Fri 6/28/02 | Future |
| 18 | | Conduct Long-Term Groundwater-Level Monitoring 2002/03 | 261 days | Mon 7/1/02 | Mon 6/30/03 | Future |
| 19 | | Conduct Long-Term Groundwater-Level Monitoring 2003/04 | 262 days | Tue 7/1/03 | Wed 6/30/04 | Future |
| 20 | | Conduct Long-Term Groundwater-Level Monitoring 2004/05 | 261 days | Thu 7/1/04 | Thu 6/30/05 | Future |
| 21 | | Desalter GWL Monitoring Program | 1434 days | Mon 1/3/00 | Thu 6/30/05 | Started |
| 22 | | Watermaster staff obtains levels for Desalter 1 and 2 | 1434 days | Mon 1/3/00 | Thu 6/30/05 | Started |
| 23 | | Data entry, quality assurance, and interpretation | 1557 days? | Mon 7/5/99 | Tue 6/21/05 | Started |
| 24 | | Groundwater Quality Monitoring | 225 days? | Mon 7/5/99 | Fri 5/12/00 | Completed |
| 25 | | Complete 1999/00 round | 205 days? | Mon 7/5/99 | Fri 4/14/00 | Completed |
| 26 | | Watermaster staff obtains samples and ship to laboratory | 201 days? | Fri 8/6/99 | Fri 5/12/00 | Completed |
| 27 | | Capture data electronically and quality assurance | 52 days? | Mon 2/21/00 | Tue 5/2/00 | Completed |
| 28 | | Obtain water quality data from cooperators | 224 days | Wed 7/5/00 | Mon 5/14/01 | Started |
| 29 | | Complete 2000/2001 round | 203 days | Wed 7/5/00 | Fri 4/13/01 | Started |
| 30 | | Watermaster staff obtains samples and ship to laboratory | 201 days | Mon 8/7/00 | Mon 5/14/01 | Started |
| 31 | | Capture data electronically and quality assurance | 35 days | Mon 2/26/01 | Fri 4/13/01 | Started |
| 32 | | Obtain water quality data from cooperators | 51 days | Fri 4/20/01 | Fri 6/29/01 | Future |
| 33 | | Develop & submit a recommended key-well GW quality monitoring program | 1037 days | Mon 7/2/01 | Tue 6/21/05 | Future |
| 34 | | Implement groundwater quality key-well monitoring program | 255 days | Mon 7/2/01 | Fri 6/21/02 | Future |
| 35 | | GW quality monitoring program in 2001/02 | 255 days | Mon 7/1/02 | Fri 6/20/03 | Future |
| 36 | | GW quality monitoring program in 2002/03 | 255 days | Mon 6/30/03 | Fri 6/18/04 | Future |
| 37 | | GW quality monitoring program in 2003/04 | 255 days | Wed 6/30/04 | Tue 6/21/05 | Future |
| 38 | | GW quality monitoring program in 2004/05 | 781 days | Mon 7/3/00 | Mon 6/30/03 | Started |
| 39 | | Groundwater Production Monitoring | 130 days | Mon 7/3/00 | Fri 12/29/00 | Completed |
| 40 | | Develop RFP, solicit bids and negotiate agreements | 575 days | Tue 4/17/01 | Mon 6/30/03 | Future |
| 41 | | Install/recalibrate/repair meters | 51 days | Tue 4/17/01 | Fri 6/29/01 | Future |
| 42 | | Install/calibrate/repair meters/monitor contractor's work 2000/01 | 255 days | Mon 7/9/01 | Fri 6/28/02 | Future |
| 43 | | Install/calibrate/repair meters/monitor contractor's work 2001/02 | 255 days | Tue 7/9/02 | Mon 6/30/03 | Future |
| 44 | | Install/calibrate/repair meters/monitor contractor's work 2002/03 | 629 days? | Mon 3/5/01 | Thu 7/13/03 | Started |
| 45 | | Surface Water Monitoring | 629 days? | Mon 3/5/01 | Thu 7/13/03 | Started |
| 46 | | Develop & Coordinate Recharge Basin Investigation Plan | 65 days? | Mon 3/5/01 | Fri 6/1/01 | Started |
| 47 | | Develop investigation plan for 2001/02 | 621 days? | Thu 3/15/01 | Thu 7/3/03 | Started |
| 48 | | Coordinate with CBWCD, IEUA and SB County for level sensors and other field work | 65 days? | Mon 3/4/02 | Fri 5/31/02 | Future |
| 49 | | Develop investigation plan for 2002/03 | 65 days? | Mon 3/3/03 | Fri 5/30/03 | Future |
| 50 | | Develop investigation plan for 2003/04 | 90 days? | Mon 7/2/01 | Fri 11/2/01 | Future |
| 51 | | Construct basin inflow and level monitoring; soil borings 2001/02 | 50 days? | Mon 7/1/02 | Fri 11/1/02 | Future |
| 52 | | Construct basin inflow and level monitoring; soil borings 2002/03 | 90 days? | Mon 7/31/00 | Fri 12/1/00 | Future |
| 53 | | Construct basin inflow and level monitoring; soil borings 2003/04 | 1324 days | Mon 7/31/00 | Thu 8/25/05 | Started |
| 54 | | Estimate basin inflow, percolation and outflow | 20 days | Mon 7/31/00 | Fri 8/25/00 | Completed |
| 55 | | Obtain basin level data, estimate inflow, percolation and outflow 1997/98 to 1999/00 | 40 days | Mon 7/2/01 | Fri 8/24/01 | Future |
| 56 | | Obtain basin level data, estimate inflow, percolation and outflow 2000/01 | 40 days | Tue 7/2/02 | Mon 8/26/02 | Future |
| 57 | | Obtain basin level data, estimate inflow, percolation and outflow 2001/02 | 40 days | Tue 7/1/03 | Mon 8/25/03 | Future |
| 58 | | Obtain basin level data, estimate inflow, percolation and outflow 2002/03 | 40 days | Thu 7/1/04 | Wed 8/25/04 | Future |
| 59 | | Obtain basin level data, estimate inflow, percolation and outflow 2003/04 | 40 days | Fri 7/1/05 | Thu 8/25/05 | Future |
| 60 | | Obtain basin level data, estimate inflow, percolation and outflow 2004/05 | 2129 days? | Tue 7/1/97 | Fri 8/25/05 | Started |
| 61 | | Basin water quality monitoring | 2088 days? | Tue 7/1/97 | Thu 6/30/05 | Started |
| 62 | | Watermaster staff obtains samples and ship to laboratory | 261 days? | Tue 7/1/97 | Tue 6/30/98 | Completed |
| 63 | | Watermaster staff obtains samples and ship to laboratory 1997/98 | 261 days? | Wed 7/1/98 | Wed 6/30/99 | Completed |
| 64 | | Watermaster staff obtains samples and ship to laboratory 1998/99 | 237 days? | Thu 7/1/99 | Fri 5/26/00 | Completed |
| 65 | | Watermaster staff obtains samples and ship to laboratory 1999/00 | 260 days | Mon 7/3/00 | Fri 6/29/01 | Started |
| 66 | | Watermaster staff obtains samples and ship to laboratory 2000/01 | 260 days | Mon 7/2/01 | Fri 6/28/02 | Future |
| 67 | | Watermaster staff obtains samples and ship to laboratory 2001/02 | 261 days | Mon 7/1/02 | Mon 6/30/03 | Future |
| 68 | | Watermaster staff obtains samples and ship to laboratory 2002/03 | 262 days | Tue 7/1/03 | Wed 6/30/04 | Future |
| 69 | | Watermaster staff obtains samples and ship to laboratory 2003/04 | 261 days | Thu 7/1/04 | Thu 6/30/05 | Future |
| 70 | | Watermaster staff obtains samples and ship to laboratory 2004/05 | 1201 days | Fri 12/22/00 | Fri 7/27/01 | Started |
| 71 | | Capture data electronically and quality assurance (weekly) | 156 days | Fri 12/22/00 | Fri 7/31/02 | Future |
| 72 | | Capture data electronically and quality assurance (weekly) 2000/01 | 157 days | Tue 12/25/01 | Wed 7/31/03 | Future |
| 73 | | Capture data electronically and quality assurance (weekly) 2001/02 | 158 days | Tue 12/24/02 | Thu 7/31/03 | Future |
| 74 | | Capture data electronically and quality assurance (weekly) 2002/03 | 160 days | Mon 12/22/03 | Fri 7/30/04 | Future |
| 75 | | Capture data electronically and quality assurance (weekly) 2003/04 | 155 days | Mon 12/27/04 | Fri 7/29/05 | Future |
| 76 | | Capture data electronically and quality assurance (weekly) 2004/05 | 1065 days | Mon 7/30/01 | Fri 8/26/05 | Future |
| 77 | | Interpret data and revise plan for next year | 20 days | Mon 7/30/01 | Fri 8/24/01 | Future |
| 78 | | Interpret data for 2000/01 and revise plan for next year | 20 days | Thu 8/1/02 | Wed 8/28/02 | Future |
| 79 | | Interpret data for 2001/02 and revise plan for next year | 20 days | Fri 8/1/03 | Thu 8/28/03 | Future |
| 80 | | Interpret data for 2002/03 and revise plan for next year | 20 days | Mon 8/2/04 | Fri 8/27/04 | Future |
| 81 | | Interpret data for 2003/04 and revise plan for next year | 20 days | Mon 8/1/05 | Fri 8/26/05 | Future |
| 82 | | Interpret data for 2004/05 and revise plan for next year | 1045 days | Fri 8/24/01 | Fri 8/26/05 | Future |
| 83 | | Submit basin recharge memorandum | 0 days | Fri 8/24/01 | Fri 8/24/01 | Future |
| 84 | | Submit basin recharge memorandum 2000/01 | 0 days | Wed 8/28/02 | Wed 8/28/02 | Future |
| 85 | | Submit basin recharge memorandum 2000/02 | 0 days | Thu 8/28/03 | Thu 8/28/03 | Future |
| 86 | | Submit basin recharge memorandum 2000/03 | 0 days | Fri 8/27/04 | Fri 8/27/04 | Future |
| 87 | | Submit basin recharge memorandum 2000/04 | 0 days | Fri 8/26/05 | Fri 8/26/05 | Future |
| 88 | | Submit basin recharge memorandum 2000/05 | 1125 days | Mon 4/2/01 | Fri 7/22/05 | Future |
| 89 | | Santa Ana River monitoring | 55 days | Mon 4/2/01 | Fri 6/15/01 | Future |
| 90 | | Develop monitoring program | 1044 days | Mon 7/2/01 | Thu 6/30/05 | Future |
| 91 | | Watermaster staff obtains samples and ship to laboratory | 940 days | Mon 11/19/01 | Fri 6/24/05 | Future |
| 92 | | Obtain data from USGS, OCWD, POTWs and other agencies | 160 days | Mon 11/19/01 | Fri 6/28/02 | Future |
| 93 | | Obtain data from cooperative agencies 2001/02 | | | | |

Exhibit A Schedule of OBMP Activities and Status

| ID | O | Task Name | Duration | Start | Finish | Text1 |
|-----|---|--|------------|--------------|--------------|-----------|
| 95 | | Obtain data from cooperative agencies 2002/03 | 160 days | Mon 11/18/02 | Fri 6/27/03 | Future |
| 96 | | Obtain data from cooperative agencies 2003/04 | 160 days | Mon 11/17/03 | Fri 6/25/04 | Future |
| 97 | | Obtain data from cooperative agencies 2004/05 | 160 days | Mon 11/15/04 | Fri 6/24/05 | Future |
| 98 | | Interpret data and revise monitoring plan | 800 days | Mon 7/1/02 | Fri 7/22/05 | Future |
| 99 | | Interpret data and revise monitoring plan 2001/02 | 20 days | Mon 7/1/02 | Fri 7/26/02 | Future |
| 100 | | Interpret data and revise monitoring plan 2002/03 | 20 days | Mon 6/30/03 | Fri 7/25/03 | Future |
| 101 | | Interpret data and revise monitoring plan 2003/04 | 20 days | Mon 6/28/04 | Fri 7/23/04 | Future |
| 102 | | Interpret data and revise monitoring plan 2004/05 | 20 days | Mon 6/27/05 | Fri 7/22/05 | Future |
| 103 | | Ground Level Monitoring | 1303 days | Mon 3/26/01 | Wed 3/22/06 | Started |
| 104 | | Ground survey study | 65 days | Fri 3/30/01 | Thu 6/28/01 | Started |
| 105 | | Obtain new SAR imagery and processing for the entire basin | 45 days | Fri 3/30/01 | Thu 5/31/01 | Started |
| 106 | | Research historical bench mark data | 44 days | Mon 4/2/01 | Thu 5/31/01 | Future |
| 107 | | Develop a basin-wide survey program | 20 days | Fri 6/1/01 | Thu 6/28/01 | Future |
| 108 | | Install extensometer/monitor consolidation | 1303 days | Mon 3/26/01 | Wed 3/22/06 | Started |
| 109 | | Obtain sites for extensometers (2 sites) | 80 days | Mon 3/26/01 | Fri 7/13/01 | Started |
| 110 | | Develop plans, specs, and bid document | 60 days | Mon 4/23/01 | Fri 7/13/01 | Future |
| 111 | | Solicit bids | 40 days | Mon 7/16/01 | Fri 9/7/01 | Future |
| 112 | | Select contractors and negotiate contracts | 20 days | Mon 9/10/01 | Fri 10/5/01 | Future |
| 113 | | Construction/monitor contractors work | 60 days | Mon 10/8/01 | Fri 12/28/01 | Future |
| 114 | | Initiate long term monitoring | 1103 days | Mon 12/31/01 | Wed 3/22/06 | Future |
| 115 | | | | | | |
| 116 | | Program Element 2 – Comprehensive Recharge Program | 1371 days? | Mon 7/31/00 | Mon 10/31/05 | |
| 117 | | Conduct Baseline Assessment of Stormwater Recharge | 45 days | Mon 7/31/00 | Fri 9/29/00 | Completed |
| 118 | | Field recon of existing basins | 2 days | Thu 8/10/00 | Fri 8/11/00 | Completed |
| 119 | | Revise recharge models to reflect existing conditions on the ground | 25 days | Mon 7/31/00 | Fri 9/1/00 | Completed |
| 120 | | Compute baseline recharge and prepare report | 20 days | Mon 9/4/00 | Fri 9/29/00 | Completed |
| 121 | | Recharge of 6,500 acre-ft of Supplemental Water in MZ 1 | 1219 days? | Mon 8/28/00 | Thu 4/28/05 | Started |
| 122 | | FY 2000/01 | 176 days? | Mon 8/28/00 | Mon 4/30/01 | Future |
| 123 | | FY 2001/02 | 150 days | Mon 10/1/01 | Fri 4/26/02 | Future |
| 124 | | FY 2002/03 | 150 days | Tue 10/1/02 | Mon 4/29/03 | Future |
| 125 | | FY 2003/04 | 150 days | Wed 10/1/03 | Tue 4/27/04 | Future |
| 126 | | FY 2004/05 | 150 days | Fri 10/1/04 | Thu 4/28/05 | Future |
| 127 | | | | | | |
| 128 | | Update Recharge Master Plan and Prioritize Projects (10/1/2002 - PA; 7/1/2001 R&R) | 240 days | Mon 7/31/00 | Fri 8/29/01 | Started |
| 129 | | | | | | |
| 130 | | Implement High Priority Projects from Recharge Master Plan | 349 days | Mon 7/2/01 | Thu 10/31/02 | Future |
| 131 | | Preliminary Facilities Engineering Prop 13 Funded OBMP Recharge Projects | 135 days | Mon 7/2/01 | Fri 1/4/02 | Future |
| 132 | | Prepare description of facilities improvements and operational plan | 60 days | Mon 7/2/01 | Fri 8/21/01 | Future |
| 133 | | Prepare cost estimates | 80 days | Mon 7/2/01 | Fri 9/21/01 | Future |
| 134 | | Prepare environmental documentation | 75 days | Mon 9/24/01 | Fri 1/4/02 | Future |
| 135 | | Develop agreements with CBWCD, SACFCD, and other agencies | 135 days | Mon 7/2/01 | Fri 1/4/02 | Future |
| 136 | | Final Facilities Engineering Prop 13 Funded OBMP Recharge Projects | 214 days | Mon 1/7/02 | Thu 10/31/02 | Future |
| 137 | | Prepare plans, specs and bid documents | 55 days | Mon 1/7/02 | Fri 3/22/02 | Future |
| 138 | | Solicit bids | 40 days | Mon 3/25/02 | Fri 5/17/02 | Future |
| 139 | | Select contractors and negotiate contracts | 30 days | Mon 5/20/02 | Fri 6/28/02 | Future |
| 140 | | Start construction | 0 days | Fri 6/28/02 | Thu 10/31/02 | Future |
| 141 | | Construction/monitor contractors work | 94 days | Mon 6/24/02 | Fri 6/27/03 | Future |
| 142 | | Preliminary/Final Engineering, Enviro, Agreements for Second-Tier OBMP Recharge Projects | 260 days | Mon 7/1/02 | Mon 6/30/03 | Future |
| 143 | | Construction of Second-Tier OBMP Recharge Projects (10/1/2005) | 611 days | Mon 6/30/03 | Mon 10/31/05 | Future |
| 144 | | Second-Tier Facilities Construction Complete | 0 days | Mon 10/31/05 | Mon 10/31/05 | Future |
| 145 | | | | | | |
| 146 | | Program Elements 3 & 5 Develop and Implement Water Supply Plan for the Impaired Areas... | 869 days? | Fri 9/1/00 | Wed 12/31/03 | |
| 147 | | Design and Construction of Desalter 1 Expansion (up to 4mgd) | 0 days | Mon 12/31/01 | Mon 12/31/01 | Started |
| 148 | | Design and Construction of Desalter 21 (up to 10mgd) | 0 days | Wed 12/31/03 | Wed 12/31/03 | Started |
| 149 | | Watermaster Staff Review of Design and Construction of Desalters | 869 days? | Fri 9/1/00 | Wed 12/31/03 | Started |
| 150 | | | | | | |
| 151 | | Program Element 4 – Develop and Implement a Comprehensive Groundwater Management Program | 1304 days? | Mon 7/3/00 | Thu 6/30/05 | |
| 152 | | Management Zone 1 (MZ1) | 1153 days | Mon 7/31/00 | Wed 12/29/04 | Started |
| 153 | | Convene Stakeholders Group | 0 days | Mon 2/12/01 | Mon 2/12/01 | Started |
| 154 | | Develop Interim Plan | 160 days | Thu 2/22/01 | Wed 10/31/01 | Started |
| 155 | | Monitor and Assess | 1044 days | Mon 7/31/00 | Thu 7/29/04 | Future |
| 156 | | Develop Final Plan | 130 days | Thu 7/1/04 | Wed 12/29/04 | Future |
| 157 | | Management Zone 3 (MZ3) | 1304 days? | Mon 7/3/00 | Thu 6/30/05 | Started |
| 158 | | Convene Stakeholders Group | 781 days? | Mon 7/3/00 | Mon 6/30/03 | Started |
| 159 | | Develop MZ3 Plan | 237 days? | Thu 2/1/01 | Fri 12/28/01 | Started |
| 160 | | Implement MZ3 Plan | 912 days? | Wed 1/2/02 | Thu 6/30/05 | Future |
| 161 | | | | | | |
| 162 | | Program Element 6 Cooperative Efforts and Program Element 7 – Salt Management | 1180 days | Mon 3/19/01 | Fri 9/23/05 | |
| 163 | | Cooperative efforts with RWQCB and other Agencies | 945 days | Mon 7/2/01 | Fri 2/11/05 | Future |
| 172 | | Demonstration of Water Quality Improvement | 1180 days | Mon 3/19/01 | Fri 9/23/05 | Started |
| 173 | | 2000/01 Demonstration | 140 days | Mon 3/19/01 | Fri 9/28/01 | Started |
| 174 | | 2001/02 Demonstration | 20 days | Thu 8/28/02 | Wed 9/25/02 | Future |
| 175 | | 2002/03 Demonstration | 20 days | Thu 8/28/03 | Thu 9/25/03 | Future |
| 176 | | 2003/04 Demonstration | 20 days | Mon 8/30/04 | Fri 9/24/04 | Future |
| 177 | | 2004/05 Demonstration | 20 days | Mon 8/29/05 | Fri 9/23/05 | Future |
| 178 | | | | | | |
| 179 | | Program Elements 8 and 9 – Storage Management and Storage and Recovery Program | 971 days? | Mon 11/27/00 | Mon 8/16/04 | |
| 180 | | Estimate Operational Storage Requirement and Safe Storage | 30 days | Mon 7/30/01 | Fri 9/7/01 | Future |
| 181 | | Develop Local SRP | 573 days | Mon 11/27/00 | Wed 2/5/03 | Started |
| 182 | | Develop proposal for MWD Prop 13 CU Funds | 40 days | Mon 11/27/00 | Fri 1/19/01 | Completed |
| 183 | | MWD awards IEUA/Watermaster Local SRP Funds | 0 days | Thu 5/31/01 | Thu 5/31/01 | Future |
| 184 | | Prioritize projects submitted for funding | 80 days | Thu 5/31/01 | Wed 9/19/01 | Started |
| 185 | | Local agency design, enviro process and prep of bid documents | 60 days | Thu 9/20/01 | Wed 12/12/01 | Future |
| 186 | | Local agency advertises and selects contractor | 40 days | Thu 12/13/01 | Wed 2/6/02 | Future |
| 187 | | Construction of local SRP projects | 260 days | Thu 2/7/02 | Wed 2/5/03 | Future |
| 188 | | Complete Short-term Conjunctive-use Project (take side of program, export) | 0 days | Wed 2/5/03 | Wed 2/5/03 | Future |
| 189 | | | | | | |
| 190 | | Large Scale SRP | 903 days? | Thu 3/1/03 | Mon 8/16/04 | Started |
| 191 | | Develop RFP | 43 days? | Thu 3/1/03 | Mon 4/30/03 | Started |
| 192 | | Solicit Proposals | 80 days | Tue 5/1/01 | Mon 8/20/01 | Future |
| 193 | | Watermaster R&R Article 10 Process | 260 days | Tue 8/21/01 | Mon 8/19/02 | Future |
| 194 | | Formal selection of large-scale SRP projects | 0 days | Mon 8/19/02 | Mon 8/19/02 | Future |
| 195 | | Design, enviro process and prep of bid documents | 260 days | Tue 8/20/02 | Mon 8/18/03 | Future |
| 196 | | Construction of large-scale SRP project(s) | 260 days | Tue 8/19/03 | Mon 8/16/04 | Future |

**Exhibit A
Schedule of OBMP Activities and Status**

| ID | O | Task Name | Duration | Start | Finish | Text1 |
|-----|-----|--|------------|-------------|--------------|---------|
| 197 | | Start up of large-scal SRP | 0 days | Mon 8/16/04 | Mon 8/16/04 | Future |
| 198 | | | | | | |
| 199 | | Lawyers Process | 172 days? | Fri 9/1/00 | Mon 4/30/01 | |
| 200 | 104 | Develop Rules and Regulations | 172 days? | Fri 9/1/00 | Mon 4/30/01 | Started |
| 201 | 104 | Develop Desalter Term Sheet | 172 days? | Fri 9/1/00 | Mon 4/30/01 | Started |
| 202 | | | | | | |
| 203 | | Activities Under the Rules and Regulations Not Covered in PE's Above | 1290 days? | Mon 1/22/01 | Fri 12/30/05 | |
| 204 | | Quantification of Water in Local Storage – R&R 58.1 f (iv) (a,b) | 23 days? | Tue 5/1/01 | Thu 5/31/01 | Future |
| 205 | 104 | Requests due to Watermaster | 0 days | Tue 5/1/01 | Tue 5/1/01 | Future |
| 206 | | Watermaster Determination | 23 days? | Tue 5/1/01 | Thu 5/31/01 | Future |
| 207 | | Annual Accounting for the Santa Ana River – Chino Basin Accord | 1290 days? | Mon 1/22/01 | Fri 12/30/05 | Future |
| 208 | 104 | Water Year 2000/01 | 86 days? | Mon 9/3/01 | Mon 12/31/01 | Future |
| 209 | 104 | Water Year 2001/02 | 87 days? | Mon 9/2/02 | Tue 12/31/02 | Future |
| 210 | 104 | Water Year 2002/03 | 88 days? | Mon 9/1/03 | Wed 12/31/03 | Future |
| 211 | 104 | Water Year 2003/04 | 93 days? | Mon 1/22/01 | Fri 12/31/04 | Future |
| 212 | 104 | Water Year 2004/05 | 87 days? | Thu 9/1/05 | Fri 12/30/05 | Future |
| 213 | | Annual Accounting of Recharge – R&R 6.2 c, 7.1 b (x), 7.1 g | 1084 days | Mon 7/2/01 | Thu 8/25/05 | Future |
| 214 | 104 | 2000/01 Annual Accounting of Recharge – R&R 6.2 c, 7.1 b (x), 7.1 g | 40 days | Mon 7/2/01 | Fri 8/24/01 | Future |
| 215 | 104 | 2001/02 Annual Accounting of Recharge – R&R 6.2 c, 7.1 b (x), 7.1 g | 40 days | Mon 7/1/02 | Fri 8/23/02 | Future |
| 216 | 104 | 2002/03 Annual Accounting of Recharge – R&R 6.2 c, 7.1 b (x), 7.1 g | 40 days | Tue 7/1/03 | Mon 8/25/03 | Future |
| 217 | 104 | 2003/04 Annual Accounting of Recharge – R&R 6.2 c, 7.1 b (x), 7.1 g | 40 days | Thu 7/1/04 | Wed 8/25/04 | Future |
| 218 | 104 | 2004/05 Annual Accounting of Recharge – R&R 6.2 c, 7.1 b (x), 7.1 g | 40 days | Fri 7/1/05 | Thu 8/25/05 | Future |
| 219 | | Preparation and Submittal of Watermaster State of Basin and Engineers Report | 603 days | Wed 3/12/03 | Fri 7/1/05 | Future |
| 220 | | Evaluation of Long-Term Hydrologic Balance – R&R 7.1 b (iii,iv) | 603 days | Wed 3/12/03 | Tue 7/1/03 | Future |
| 221 | 104 | July 1, 2003 Evaluation and Report to Watermaster | 80 days | Mon 3/14/05 | Fri 7/1/05 | Future |
| 222 | 104 | July 1, 2005 Evaluation and Report to Watermaster | 603 days | Wed 3/12/03 | Fri 7/1/05 | Future |
| 223 | | Evaluation of Cumulative Physical Impact of Transfers – R&R 9.3 a | 603 days | Wed 3/12/03 | Tue 7/1/03 | Future |
| 224 | 104 | July 1, 2003 Evaluation and Report to Watermaster | 80 days | Mon 3/14/05 | Fri 7/1/05 | Future |
| 225 | 104 | July 1, 2005 Evaluation and Report to Watermaster | 80 days | Mon 3/14/05 | Fri 7/1/05 | Future |
| 226 | | Submittal of Report | 523 days | Tue 7/1/03 | Fri 7/1/05 | Future |
| 227 | 104 | July 2003 Report | 0 days | Tue 7/1/03 | Tue 7/1/03 | Future |
| 228 | 104 | July 2005 Report | 0 days | Fri 7/1/05 | Fri 7/1/05 | Future |

EXHIBIT B

Exhibit B

CHINO BASIN WATERMASTER
Total OBMP Costs
To Date

| | FY 97-98 Actual Expenditures | FY 98-99 Actual Expenditures | FY 99-00 Actual Expenditures | FY 00-01 Projected Actual Expenditures | Total Actual OBMP Expenditures | FY 01-02 Estimated Expenditures | Total Estimated OBMP Expenditures |
|---|------------------------------------|------------------------------------|------------------------------------|--|--------------------------------------|---------------------------------------|---|
| 6900 Optimum Basin Mgmt Program | | | | | | | |
| 6901 OBMP - Staff | 0 | 29,857 | 40,249 | 26,861 | 96,967 | 177,338 | 274,305 |
| 6902 OBMP - Temporary Staff | 0 | 150 | 0 | 3,651 | 3,802 | 8,812 | 12,614 |
| 6903 OBMP - S.A.R.W.G. Support | 0 | 17,000 | 12,000 | 12,000 | 41,000 | 12,000 | 53,000 |
| 6904 OBMP - Financial Analyses | 830 | 25,698 | 96,926 | 0 | 123,454 | 15,000 | 138,454 |
| 6906.1 Comprehensive Monitoring Report/Facilities Plan | 44,505 | 134,158 | 34,458 | 20,519 | 233,639 | 258,477 | 492,116 |
| 6906.2 OBMP - Engineering | 0 | 304,430 | 214,603 | 75,000 | 594,033 | 0 | 594,033 |
| 6906.3 Hydraulic Control | 0 | 0 | 73,839 | 48,723 | 122,562 | 0 | 122,562 |
| 6906.4 CEQA | 0 | 11,050 | 159,997 | 18,152 | 189,199 | 0 | 189,199 |
| 6906.5 Salt Flux Study | 0 | 0 | 0 | 22,500 | 22,500 | 0 | 22,500 |
| 6907 OBMP - Legal Fees | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6907.1 Ellison & Schneider | 82,541 | 63,889 | 157,084 | 163,215 | 466,730 | 120,000 | 586,730 |
| 6907.2 Luhdorff & Scalmanini | 23,490 | 51,131 | 67,448 | 31,719 | 173,788 | 50,000 | 223,788 |
| 6907.3 Watermaster Legal Counsel | | | 350,000 | 551,210 | 901,210 | 500,000 | 1,401,210 |
| 6907.4 MWWD SAR Accord | | | | 46,703 | 46,703 | | 46,703 |
| 6909 OBMP - Other Expense | 249 | 4,417 | 26,048 | 25,886 | 56,599 | 20,000 | 76,599 |
| Total 6900 OBMP Document Completion | 151,615 | 641,781 | 1,232,649 | 1,046,140 | 3,072,186 | 1,161,627 | 4,233,813 |
| | | | | | | | |
| 6950 Cooperative Efforts | | | | | | | |
| 6952 RAM Tool - Engineering - Requests | 58,439 | 6,561 | 0 | 5,000 | 70,000 | 5,000 | 75,000 |
| 6953 TDS-Nitrogen Study | 16,016 | 639 | 5,000 | 5,000 | 26,655 | 5,000 | 31,655 |
| | 74,455 | 7,199 | 5,000 | 10,000 | 96,655 | 10,000 | 106,655 |
| Total Special Project Admin Expenses | 226,070 | 648,981 | 1,237,649 | 1,056,140 | 3,168,841 | 1,171,627 | 4,340,468 |
| | | | | | | | |
| 7000 Optimum Basin Mangement Program Implementation Projects | | | | | | | |
| <i>7100 OBMP Pgm Element 1 - Comp Monitoring Program</i> | | | | | | | |
| 7101 Production Monitoring (Formerly Acct# 7350) | | | | | | | |
| 7101.1 Production Monitoring - WM Staff | 0 | 0 | 28,549 | 20,028 | 49,378 | 12,030 | 61,408 |
| 7101.2 Production Monitoring - Temporary Services | 0 | 0 | 3,564 | 0 | 3,564 | 0 | 3,564 |
| 7101.3 Production Monitoring - Engineering Services | 0 | 0 | 0 | 8,925 | 8,925 | 10,250 | 19,175 |
| 7101.4 Production Monitoring - Computer Services | 0 | 0 | 2,349 | 1,173 | 3,521 | 10,000 | 13,521 |
| 7101.5 Production Monitoring - Supplies & Repairs | 0 | 0 | 210 | 0 | 210 | 1,000 | 1,210 |
| 7101.6 Production Monitoring - Meter Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total 7101 Production Monitoring | 0 | 0 | 34,672 | 30,926 | 65,598 | 33,280 | 98,878 |

CHINO BASIN WATERMASTER

Total OBMP Costs

To Date

| | FY 97-98 Actual Expenditures | FY 98-99 Actual Expenditures | FY 99-00 Actual Expenditures | FY 00-01 Projected Actual Expenditures | Total Actual OBMP Expenditures | FY 01-02 Estimated Expenditures | Total Estimated OBMP Expenditures |
|--|------------------------------------|------------------------------------|------------------------------------|--|--------------------------------------|---------------------------------------|---|
| 7102 In-Line Meter Installation (Formerly Acct# 7300) | | | | | | | |
| 7102.1 In-Line Meter - WM Staff | 0 | 0 | 4,522 | 12,618 | 17,140 | 10,000 | 27,140 |
| 7102.2 In-Line Meter - Temporary Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7102.3 In-Line Meter - Engineering Services | 0 | 0 | 37 | 10,000 | 10,037 | 10,000 | 20,037 |
| 7102.4 In-Line Meter - Contract Services | 0 | 0 | 0 | 40,500 | 40,500 | 53,865 | 94,365 |
| 7102.5 In-Line Meter - Computer Services | 0 | 0 | 0 | 24 | 24 | 0 | 24 |
| 7102.6 In-Line Meter - Supplies | 0 | 0 | 51 | 0 | 51 | 0 | 51 |
| 7102.7 In-Line Meter - In-line Meters | 0 | 0 | 0 | 150,000 | 150,000 | 199,500 | 349,500 |
| 7102.8 Calibration & Testing | 0 | 0 | 0 | 20,000 | 20,000 | 26,600 | 46,600 |
| Total 7102 In-Line Meter Installation | 0 | 0 | 4,610 | 233,143 | 237,753 | 299,965 | 537,718 |
| 7103 Groundwater Quality Monitoring (Formerly Acct# 7250) | | | | | | | |
| 7103.1 Grdwtr Quality - WM Staff | 0 | 0 | 20,038 | 13,793 | 33,831 | 9,004 | 42,835 |
| 7103.2 Grdwtr Quality - Temporary Services | 0 | 0 | 12,590 | 48,617 | 61,207 | 48,073 | 109,280 |
| 7103.3 Grdwtr Quality - Engineering Services | 0 | 4,076 | 30,816 | 31,614 | 66,507 | 40,000 | 106,507 |
| 7103.4 Grdwtr Quality - Contract Services | 0 | 0 | 275 | 0 | 275 | 0 | 275 |
| 7103.5 Grdwtr Quality - Laboratory Services | 0 | 0 | 139,812 | 297,850 | 437,661 | 208,000 | 645,661 |
| 7103.6 Grdwtr Quality - Supplies | 0 | 0 | 914 | 440 | 1,354 | 1,000 | 2,354 |
| 7103.7 Grdwtr Quality - Computer Services | 0 | 0 | 7,877 | 1,173 | 9,050 | 0 | 9,050 |
| 7103.8 Grdwtr Quality - 205J Grant Application | 0 | 9,763 | 0 | 0 | 9,763 | 0 | 9,763 |
| Total 7103 Groundwater Quality Monitoring Program | 0 | 13,839 | 212,322 | 393,487 | 619,648 | 306,077 | 925,725 |
| 7104 Groundwater Level Monitoring (Formerly Acct# 7200) | | | | | | | |
| 7104.1 Grdwtr Level - WM Staff | 0 | 0 | 23,374 | 12,004 | 35,378 | 12,006 | 47,384 |
| 7104.2 Grdwtr Level - Temporary Services | 0 | 0 | 17,927 | 59,606 | 77,533 | 41,108 | 118,641 |
| 7104.3 Grdwtr Level - Engineering Services | 0 | 0 | 3,576 | 65,190 | 68,766 | 67,500 | 136,266 |
| 7104.4 Grdwtr Level - Contract Services | 0 | 0 | 0 | 657 | 657 | 5,000 | 5,657 |
| 7104.5 Grdwtr Level - Computer Services | 0 | 0 | 228 | 0 | 228 | 0 | 228 |
| 7104.6 Grdwtr Level - Supplies | 0 | 0 | 2,831 | 7,741 | 10,572 | 0 | 10,572 |
| 7104 IEUA Reimbursement | 0 | 0 | (10,811) | (23,439) | (34,250) | 0 | (34,250) |
| 7104.7 Grdwtr Level - Capital Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7207 Grdwtr Level - Jt Staff Gage Pjt w/CBWCD/Other | 0 | 12,000 | 0 | 0 | 12,000 | 0 | 12,000 |
| Total 7104 Groundwater Level Monitoring | 0 | 12,000 | 37,125 | 121,759 | 170,884 | 125,614 | 296,498 |
| 7105 Surface Water Quality Monitoring (Formerly Acct# 7400) | | | | | | | |
| 7105.1 Surface Water Quality - WM Staff | 0 | 0 | 5,923 | 5,086 | 11,008 | 10,000 | 21,008 |
| 7105.2 Surface Water Quality - Temporary Services | 0 | 0 | 4,156 | 5,498 | 9,653 | 10,857 | 20,510 |
| 7105.3 Surface Water Quality - Engineering Services | 0 | 0 | 5,824 | 13,000 | 18,824 | 13,000 | 31,824 |
| 7105.4 Surface Water Quality - Laboratory Services | 0 | 0 | 4,785 | 3,458 | 8,243 | 33,000 | 41,243 |
| 7105.5 Surface Water Quality - Computer Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7105.6 Surface Water Quality - Supplies | 0 | 0 | 0 | 46 | 46 | 0 | 46 |
| 7105.7 Surface Water Quality - Level Sensor Maintenance | 0 | 0 | 550 | 0 | 550 | 0 | 550 |
| 7105.8 Santa Ana River Quality Assessment | 0 | 0 | 0 | 15,000 | 15,000 | 15,000 | 30,000 |
| Total 7105 Surface Water Quality Monitoring | 0 | 0 | 21,237 | 42,087 | 63,324 | 81,857 | 145,181 |

CHINO BASIN WATERMASTER

Total OBMP Costs

To Date

| | FY 97-98 Actual Expenditures | FY 98-99 Actual Expenditures | FY 99-00 Actual Expenditures | FY 00-01 Projected Actual Expenditures | Total Actual OBMP Expenditures | FY 01-02 Estimated Expenditures | Total Estimated OBMP Expenditures |
|--|------------------------------------|------------------------------------|------------------------------------|--|--------------------------------------|---------------------------------------|---|
| 7106 Water Level Sensors Install (Formerly Acct# 7500) | | | | | | | |
| 7106.1 Water Level Sensors - WM Staff | 0 | 0 | 2,827 | 0 | 2,827 | 0 | 2,827 |
| 7106.2 Water Level Sensors - Temporary Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7106.3 Water Level Sensors - Engineering Services | 0 | 0 | 0 | 21,700 | 21,700 | 21,700 | 43,400 |
| 7106.4 Water Level Sensors - Computer Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7106.5 Water Level Sensors - Supplies | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7106.6 Water Level Sensors - Computer Equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7106.7 Water Level Sensors - Capital Equipment | 0 | 0 | 0 | 60,000 | 60,000 | 60,000 | 120,000 |
| 7106.8 Water Level Sensors - Level Sensor Maintenance | 0 | 0 | 0 | 0 | 0 | 2,000 | 2,000 |
| Total 7106 Water Level Sensors Installation | 0 | 0 | 2,827 | 81,700 | 84,527 | 83,700 | 168,227 |
| 7107 Ground Level Monitoring (Formerly Acct# 7450) | | | | | | | |
| 7107.1 Ground Level - WM Staff | 0 | 0 | 1,857 | 343 | 2,200 | 0 | 2,200 |
| 7107.2 Ground Level - Engineering Services | 0 | 0 | 0 | 35,000 | 35,000 | 35,000 | 70,000 |
| 7107.3 Ground Level - Synthetic Aperture Radar Imagery | 0 | 0 | 0 | 5,000 | 5,000 | 0 | 5,000 |
| 7107.4 Ground Level - Computer Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7107.8 Ground Level - Capital Equipment Extensometers | 0 | 0 | 0 | 300,000 | 300,000 | 0 | 300,000 |
| Total 7450 Ground Level Monitoring Pgm | 0 | 0 | 1,857 | 340,343 | 342,200 | 35,000 | 377,200 |
| 7200 OBMP Pgm Element 2 - Comp Recharge Program (Formerly Acct# 7550) | | | | | | | |
| 7201 Comp Recharge - WM Staff | 0 | 0 | 2,218 | 0 | 2,218 | 0 | 2,218 |
| 7202 Comp Recharge - Engineering Services | 0 | 0 | 29,665 | 262,057 | 291,722 | 75,000 | 366,722 |
| 7203 Comp Recharge - Contract Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7204 Comp Recharge - Supplies | 0 | 0 | 0 | 857 | 857 | 0 | 857 |
| 7205 Comp Recharge - Other Expenses | 0 | 0 | 0 | 100,000 | 100,000 | 100,000 | 200,000 |
| Total 7201 Comprehensive Recharge Pgm | 0 | 0 | 31,883 | 362,914 | 394,798 | 175,000 | 569,798 |
| 7300 OBMP Program Element 3 & 5 - Water Supply Plan - Desalter (Formerly Acct# 7100) | | | | | | | |
| 7301 OBMP - WM Staff | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7302 OBMP - Temporary Staff | 0 | 0 | 0 | 24,429 | 24,429 | 24,429 | 48,858 |
| 7303 OBMP - Engineering Services | 0 | 0 | 59,120 | 113,103 | 172,223 | 150,000 | 322,223 |
| 7304 OBMP - Contract Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7305 OBMP - Supplies | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7306 OBMP - Other Expense | 0 | 0 | 0 | 35,000 | 35,000 | 35,000 | 70,000 |
| Total 7300 OBMP Elements 3 & 5 Water Supply Plan | 0 | 0 | 59,120 | 172,532 | 231,652 | 209,429 | 441,081 |
| 7400 OBMP Pgm Element 4 - MZ1 Management Plan | | | | | | | |
| 7401 OBMP - WM Staff | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7402 OBMP - Engineering Services | 0 | 0 | 879 | 26,024 | 26,903 | 75,000 | 101,903 |
| 7403 OBMP - Contract Services | 0 | 0 | 0 | 10,000 | 10,000 | 10,000 | 20,000 |
| 7404 OBMP - Supplies | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7405 OBMP - Other Expenses | 0 | 0 | 737 | 2,929 | 3,666 | 0 | 3,666 |
| Total 7400 OBMP Element 4 - MZ1 | 0 | 0 | 1,616 | 38,953 | 40,569 | 85,000 | 125,569 |

CHINO BASIN WATERMASTER

Total OBMP Costs

To Date

| | FY 97-98 Actual Expenditures | FY 98-99 Actual Expenditures | FY 99-00 Actual Expenditures | FY 00-01 Projected Actual Expenditures | Total Actual OBMP Expenditures | FY 01-02 Estimated Expenditures | Total Estimated OBMP Expenditures |
|---|------------------------------------|------------------------------------|------------------------------------|--|--------------------------------------|---------------------------------------|---|
| 7500 OBMP Pgm Element 6 & 7 - Coop Efforts/Salt Mgmt | | | | | | | |
| 7501 OBMP - WM Staff | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7502 OBMP - Engineering Services | 0 | 0 | 0 | 15,000 | 15,000 | 15,000 | 30,000 |
| 7503 OBMP - Contract Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7504 OBMP - Supplies | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7505 OBMP - Other Expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total 7500 OBMP Element 6 & 7 | 0 | 0 | 0 | 15,000 | 15,000 | 15,000 | 30,000 |
| 7600 OBMP Pgm Element 8 & 9 Storage Mgmt/Conj Use | | | | | | | |
| 7601 OBMP - WM Staff | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7602 OBMP - Engineering Services | 0 | 0 | 0 | 108,000 | 108,000 | 100,000 | 208,000 |
| 7603 OBMP - Contract Services | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7604 OBMP - Supplies | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7605 OBMP - Other Expenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total 7600 OBMP Element 8 & 9 | 0 | 0 | 0 | 108,000 | 108,000 | 100,000 | 208,000 |
| Total Optimum Basin Management Program | 0 | 25,839 | 407,270 | 1,940,845 | 2,373,953 | 1,549,922 | 3,923,875 |
| Activities Under the Rules and Regulations Not Covered in PE's Above | | | | | | | |
| Quantification of Water in Lical Storage -- R&R S8.1 f (iv) (a,b) | | | | | | | |
| Annual Accounting for the Santa Ana River -- Chino Basin Accord | | | | | | 30,000 | 30,000 |
| Annual Accounting of Recharge -- R&R 6.2c, 7.1b (x), 7.1g | | | | | | 30,000 | 30,000 |
| Preparation of Engineers Report | | | | | | 40,000 | 40,000 |
| Total Activities Under the Rules & Regulations | | | | | | 100,000 | 100,000 |
| Total OBMP Related Budget | 226,070 | 674,820 | 1,644,919 | 2,996,985 | 5,542,794 | 2,821,549 | 8,364,343 |

EXHIBIT C

Memorandum

TO: Watermaster Board
FROM: General Counsel
RE: Desalter Discussions
SUBJECT: Report from Parties as to Why a Term Sheet has not
Been Executed.

A. Status Report

The purchasers and sellers of desalted water under the Peace Agreement have *not* reached agreement on the essential terms for a "term sheet" so as to trigger a rescission of the Western Resolution, conditionally approving the Peace Agreement. Pursuant to the direction of the Watermaster Board, each of the purchasers and sellers communicated the reasons for their failure to execute a term sheet to Watermaster General Counsel on or before March 1, 2001.

The specific reasons identified as of March 1, 2001 included the following items:

- (1) The failure to reach agreement on the appropriate facilities plan (Alternative 10 versus Alternative 7); i.e. there was not a defined project.
- (2) The failure to reach agreement on the governance structure under which the sellers would make water available (JPA, SAWPA Committee, new SAWPA Committee).
- (3) The failure to reach agreement on the proper application of the available grant funds and the appropriate portion of unfunded capital such that the quantity of debt service was unknown.
- (4) The failure to reach agreement on a price structure, including appropriate adjustments in price caps based upon energy, chemicals and other inflation sensitive factors.

- (5) The uncertainty arising from underlying legal documents and financing information applicable to Chino I and the Arlington Desalters.
- (6) The uncertainty of how the State of California will receive its water or participate in the purchase of desalted water from the final project.
- (7) The uncertainty of how the water requirements of the City of Norco will be met.

B. Subsequent Progress

These concerns have been the subject of frequent meetings between the purchasers and sellers and a report to the Special Referee on March 8, 2001. Although there is as of today, no term sheet, substantial progress has been made in several areas.

The parties have reached agreement that the Integrated Chino – Arlington Desalters System (ICADS) is the best general approach to the future operation of desalter facilities. Moreover, it appears that all parties to the discussions now mutually agree that a single facilities plan, commonly referred to as “Alternative 10” represents the consensus agreement on which desalter facilities will satisfy the requirements of the Peace Agreement. The Alternative is important in that it ensures that all of the potential purchasers can obtain a sufficient quantity of water in an appropriate time schedule to satisfy their water requirements.

There are two competing deal structures that present moderately different approaches on the best method to move forward with Alternative 10. It appears that there is general agreement on the desire to pursue a “lease to purchase” arrangement for the Chino I Desalter, the Chino I Expansion and the Chino II Desalter between the purchasers and the Sellers, operating pursuant to Project Committee Number 14 of the Santa Ana Watershed Project Authority (SAWPA). Under this scenario desalted water from the Arlington Desalter would be provided to the purchasers through a water supply contract between WMWD and OCWD acting as Project Committee Number 9 of SAWPA.

C. Remaining Disagreements

There are still areas of disagreement among the parties. These disagreements primarily arise from policy questions on how water from the Arlington Desalator is to be made available for use by the purchasers and whether the City of Norco will take its water through an amalgamated entity comprised of all the Chino Basin purchasers or have a separate contract with PC#9. In addition, the allocation of grant funds among the desalter projects could have cost of water impacts on the purchasers and the scheduling of certain facilities. However, a resolution of the above referenced questions regarding the form of the contractual agreement between PC#9 and the City of Norco and the other purchasers, may serve to make the allocation of grant funds issue moot. Watermaster General Counsel has *offered* to frame the policy question, the rationale and alternatives for consideration by the Norco task force and a prompt report by WMWD and the City of Norco to the purchasers and sellers on their decision.

Given the need to move forward and secure at least the \$56 million dollars that have been set aside for the ICADS project under Proposition 13, Watermaster General Counsel and Staff remain deeply concerned. It is important that a term sheet be reached soon so that the WMWD Resolution and the associated cloud of uncertainty on the OBMP can be removed.

As Watermaster General Counsel and staff have reported in the past, upon review of all the available financial data, engineering information and the reports of the parties and the consultants, there appears to be *no* severe impediment to reaching an agreement, if the parties have the will to proceed. The purchasers and sellers have committed to meet at least once a week, and more if necessary, until an appropriate term sheet and ultimately contracts can be drafted. Watermaster remains hopeful that the negotiators for all the parties will execute a term sheet well in advance of the April 19, 2001 hearing date.

D. Recommendation

General Counsel should be instructed to prepare a letter to WMWD and the City of Norco that sets forth the policy question, the alternatives and the associated rationale for prompt consideration by the Norco Task Force and a report by WMWD and the City of Norco.