



# CHINO BASIN WATERMASTER



## NOTICE OF MEETINGS

**Thursday, January 12, 2006**

9:00 a.m. – Annual Appropriative Pool Meeting  
11:00 a.m. – Annual Non-Agricultural Pool Meeting

*AT THE CHINO BASIN WATERMASTER OFFICES*  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730  
(909) 484-3888

**Tuesday, January 17, 2006**

9:00 a.m. – Annual Agricultural Pool Meeting

*AT THE INLAND EMPIRE UTILITIES AGENCY OFFICES*  
6075 Kimball Ave. Bldg. A Board Room  
Chino, CA 91710  
(909) 993-1600



# **CHINO BASIN WATERMASTER**

**January 12, 2006**

9:00 a.m. - Annual Appropriative Pool Meeting

11:00 a.m. - Annual Non-Agricultural Pool Meeting

**January 17, 2006**

9:00 a.m. – Annual Agricultural Pool Meeting

## **AGENDA PACKAGE**



**CHINO BASIN WATERMASTER  
ANNUAL APPROPRIATIVE POOL MEETING**

9:00 a.m. – January 12, 2006  
At The Offices Of  
Chino Basin Watermaster  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730

**AGENDA**

**CALL TO ORDER**

**AGENDA - ADDITIONS/REORDER**

**II. ANNUAL ELECTIONS - ACTION**

**A. Calendar Year 2006 Appropriative Pool Officers**

Nominations will be heard for the Appropriative Pool Chair to serve during calendar year 2006.

Chair	_____
Vice-Chair	_____
Secretary/Treasurer	<u>Watermaster Chief Executive Officer</u>

**B. Calendar Year 2006 Advisory Committee Members & Officers**

According to the rotation sequence established among the pools, the appropriators will be asked to appoint a designated representative to serve on the Advisory Committee during calendar year 2006.

Chair	Agricultural Pool	_____
Vice-Chair	Appropriative Pool	_____
2 <sup>nd</sup> Vice-Chair	Non-Agricultural Pool	_____

**C. Calendar Year 2006 Pool Representation on the Watermaster Board**

Based on the Court-adopted Rotation Schedule for Representatives to the Watermaster, during calendar year 2006, the following will represent the Appropriative Pool on the Watermaster Board.

Monte Vista Water District – New Member: \_\_\_\_\_

West End Consolidated Water Company – New Member: Mr. Ken Willis

**II. CONSENT CALENDAR**

**Note:** All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.

**A. MINUTES**

1. Minutes of the Joint Appropriative and Non-Agricultural Pool Meeting held December 8, 2005 (Page 1)

**B. CHINO BASIN WATERMASTER INVESTMENT POLICY**

Resolution 06-01 - Resolution of the Chino Basin Watermaster, San Bernardino County, California, re-authorizing the Watermaster’s Investment Policy (Page 11)

**C. LOCAL AGENCY INVESTMENT FUND**

Resolution 06-02 – Resolution Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF) (Page 19)

**D. ASSESSMENTS**

Resolution 06-03 – Resolution of the Chino Basin Watermaster Levying Replenishment and Administrative Assessments for Fiscal Year 2005-2006 (Page 21)

**E. NOTICE OF INTENT**

Annual Filing of Notice of Intent Regarding the Determination of Operating Safe Yield (Page 25)

**III. BUSINESS ITEMS**

**A. PROPOSAL FOR PROFESSIONAL ENGINEERING SUPPORT SERVICES FOR THE CHINO BASIN FACILITIES IMPROVEMENT PROJECT**

Consider the proposal to secure an outside professional engineering support service “Santec” in the amount of \$10,000.00 to be billed monthly on a time-and-materials basis (Page 29)

**B. BASIN OPERATIONS MANUAL**

Consider approval of the Basin Operations Manual which will be available on the Wildermuth Environmental Inc. web site and the Chino Basin Watermaster FTP site (Page 33)

**C. MONTE VISTA WATER DISTRICT APPLICATION TO RECHARGE**

Consider approval for the Monte Vista Water District application to the Chino Basin Watermaster dated November 1, 2005, requesting to recharge up to 3,500 acre-ft/yr of State Water Project water by injection at its wells 1, 4, 30, and 32 (Page 37)

**IV. REPORTS/UPDATES**

**A. WATERMASTER GENERAL LEGAL COUNSEL REPORT**

- 1. Board Reappointment Motion
- 2. Peace II Process

**B. CEO/STAFF REPORT**

- 1. Engineers Report
- 2. Ontario International Airport Data Request
- 3. Water Activity Update

**V. INFORMATION**

- 1. Newspaper Articles (Page 127)
- 2. NWRA Election Results (Page 133)
- 3. AGWA Hydrologic, Environmental and Legislative Challenges to Southern California’s Present and Future Managed Aquifer Recharge Programs Monday, February 6, 2006 (Page 135)

**VI. POOL MEMBER COMMENTS**

**VII. OTHER BUSINESS**

**VIII. FUTURE MEETINGS**

January 12, 2006	9:00 a.m.	Annual Appropriative Pool Meeting
January 12, 2006	11:00 a.m.	Annual Non-Agricultural Pool Meeting
January 12, 2006	1:00 p.m.	MZ1 Technical Committee Meeting
January 16, 2006	1:00 p.m.	Water Quality Committee Meeting

January 17, 2006	9:00 a.m.	Annual Agricultural Pool Meeting @ IEUA
January 26, 2006	9:00 a.m.	Annual Advisory Committee Meeting
January 26, 2006	11:00 a.m.	Annual Watermaster Board Meeting

**Meeting Adjourn**

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**CHINO BASIN WATERMASTER  
ANNUAL NON-AGRICULTURAL POOL MEETING**

*11:00 a.m. - January 12, 2006*

**At The Offices Of**

**Chino Basin Watermaster  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730**

**AGENDA**

**CALL TO ORDER**

**AGENDA - ADDITIONS/REORDER**

**I. ANNUAL ELECTIONS – Action**

**A. Calendar-Year 2006 Non-Agricultural Pool Officers**

Nominations will be heard for Pool Chair, followed by nominations for Pool Vice-Chair, to serve during Calendar-Year 2006.

Chair	_____
Vice-Chair	_____
Secretary/Treasurer	<u>Watermaster Chief Executive Officer</u>

**B. Calendar-Year 2006 Advisory Committee Members**

Pool member(s) will be asked to elect representatives and alternates to serve on the Advisory Committee during Calendar-Year 2006.

Member: \_\_\_\_\_ Alternate: \_\_\_\_\_

**C. Calendar-Year 2006 Advisory Committee Officers**

Based on the rotation sequence established among the pools, the members of the Non-Agricultural Pool will be asked to appoint a designated representative, 2<sup>nd</sup> Vice-Chair of the Advisory Committee during Calendar-Year 2006. If the appointed representative is unable to attend an Advisory Committee meeting, a remaining pool officer may serve as his/her alternate.

Agricultural Pool	Chair	_____
Appropriative Pool	Vice-Chair	_____
<b>Non-Agricultural Pool</b>	<b>2<sup>nd</sup> Vice-Chair</b>	_____

**D. Calendar-Year 2005 Pool Representation on Watermaster Board**

The Pool members will be asked to select one representative to serve on the Watermaster Board during Calendar-Year 2005 and one alternate representative.

Member: \_\_\_\_\_ Alternate: \_\_\_\_\_

**II. CONSENT CALENDAR**

**Note: All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.**

**A. MINUTES**

1. Minutes of the of the Non-Agricultural held December 8, 2005 *(Page 1)*

**B. CHINO BASIN WATERMASTER INVESTMENT POLICY**

Resolution 06-01 - Resolution of the Chino Basin Watermaster, San Bernardino County, California, re-authorizing the Watermaster's Investment Policy *(Page 11)*

**C. LOCAL AGENCY INVESTMENT FUND**

Resolution 06-02 – Resolution Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF) *(Page 19)*

**D. ASSESSMENTS**

Resolution 06-03 – Resolution of the Chino Basin Watermaster Levying Replenishment and Administrative Assessments for Fiscal Year 2005-2006 *(Page 21)*

**E. NOTICE OF INTENT**

Annual Filing of Notice of Intent Regarding the Determination of Operating Safe *(Page 25)*

**III. BUSINESS ITEMS**

**A. PROPOSAL FOR PROFESSIONAL ENGINEERING SUPPORT SERVICES FOR THE CHINO BASIN FACILITIES IMPROVEMENT PROJECT**

Consider the proposal to secure an outside professional engineering support service "Santec" in the amount of \$10,000.00 to be billed monthly on a time-and-materials basis *(Page 29)*

**B. BASIN OPERATIONS MANUAL**

Consider approval of the Basin Operations Manual which will be available on the Wildermuth Environmental Inc. web site and the Chino Basin Watermaster FTP site *(Page 33)*

**C. MONTE VISTA WATER DISTRICT APPLICATION TO RECHARGE**

Consider approval for the Monte Vista Water District application to the Chino Basin Watermaster dated November 1, 2005, requesting to recharge up to 3,500 acre-ft/yr of State Water Project water by injection at its wells 1, 4, 30, and 32 *(Page 37)*

**IV. REPORTS/UPDATES**

**A. WATERMASTER GENERAL LEGAL COUNSEL REPORT**

1. Board Reappointment Motion
2. Peace II Process

**B. CEO/STAFF REPORT**

1. Engineers Report
2. Ontario International Airport Data Request
3. Water Activity Update

**V. INFORMATION**

1. Newspaper Articles *(Page 127)*
2. NWRA Election Results *(Page 133)*
3. AGWA Hydrologic, Environmental and Legislative Challenges to Southern California's Present and Future Managed Aquifer Recharge Programs Monday, February 6, 2006 *(Page 135)*



**VI. POOL MEMBER COMMENTS**

**VII. OTHER BUSINESS**

**VIII. FUTURE MEETINGS**

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January 16, 2006	1:00 p.m.	Water Quality Committee Meeting
January 17, 2006	9:00 a.m.	Annual Agricultural Pool Meeting @ IEUA
January 26, 2006	9:00 a.m.	Annual Advisory Committee Meeting
January 26, 2006	11:00 a.m.	Annual Watermaster Board Meeting

**Meeting Adjourn**

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**CHINO BASIN WATERMASTER  
ANNUAL AGRICULTURAL POOL MEETING  
9:00 a.m. – January 17, 2006  
At The Offices Of  
Inland Empire Utilities Agency  
6075 Kimball Ave., Bldg. A, Board Room  
Chino, CA 91710**

**AGENDA**

**CALL TO ORDER**

**AGENDA - ADDITIONS/REORDER**

**I. ANNUAL ELECTIONS - ACTION**

**A. Calendar-Year 2006 Agricultural Pool Members**

The Agricultural Pool membership shall consist of not less than ten representatives selected at large by members of the pool. Pool members will be asked to make any necessary changes to the following list in order to establish pool membership and alternates during calendar year 2006:

Current Agricultural Pool Members

Crops: Glen Durrington  
Jeff Pierson  
Dairy: Robert Feenstra  
Gene Koopman  
Peter Hettinga  
Nathan deBoom  
John Huitsing  
State: Pete Hall  
Edward Gonsman  
Robert Nobles  
Nate Mackamul

Current Alternates:

Crops: Dan Hostetler  
Dairy: Syp Vander Dussen  
State: Gary Lord

**B. Calendar Year 2006 Agricultural Pool Officers**

Nominations will be heard for Pool Chair, followed by nominations for Pool Vice-Chair.

Chair	
Vice-Chair	
Secretary/Treasurer	<u>Watermaster Chief Executive Officer</u>

**C. Calendar Year 2006 Advisory Committee Members & Officers**

The pool members will be asked to determine the ten agricultural representatives to serve on the Advisory Committee and, according to the rotation sequence established among the pools, appoint a representative to serve as Chair of the Advisory Committee during calendar year 2006

<b>Chair</b>	<b>Agricultural Pool</b>	
Vice-Chair	Non-Agricultural Pool	
2 <sup>nd</sup> Vice-Chair	Appropriative Pool	

**D. Calendar-Year 2006 Pool Representation on Watermaster Board**

The Pool members will be asked to consider selecting two representatives to serve on the Watermaster Board during Calendar-Year 2006 and one or two alternate representatives.

Member: \_\_\_\_\_ Alternate: \_\_\_\_\_

Member: \_\_\_\_\_ Alternate: \_\_\_\_\_

**II. CONSENT CALENDAR**

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**A. MINUTES**

1. Minutes of the Agricultural Pool Meeting held December 6, 2005 (*Page 7*)

**B. CHINO BASIN WATERMASTER INVESTMENT POLICY**

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**C. MONTE VISTA WATER DISTRICT APPLICATION TO RECHARGE**

Consider approval for the Monte Vista Water District application to the Chino Basin Watermaster dated November 1, 2005, requesting to recharge up to 3,500 acre-ft/yr of State Water Project water by injection at its wells 1, 4, 30, and 32 (*Page 37*)

**IV. REPORTS/UPDATES****A. WATERMASTER GENERAL LEGAL COUNSEL REPORT**

1. Board Reappointment Motion
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2. Ontario International Airport Data Request
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January 26, 2006	11:00 a.m.	Annual Watermaster Board Meeting

**Meeting Adjourn**

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# CHINO BASIN WATERMASTER

## II. CONSENT CALENDAR

### A. MINUTES

1. Joint Appropriative and Non-Agricultural Pool– December 8, 2005



**Draft Minutes**  
**CHINO BASIN WATERMASTER**  
**JOINT APPROPRIATIVE & NON-AGRICULTURAL POOL MEETING**  
December 8, 2005

The Joint Appropriative and Non-Agricultural Pool Meeting were held at the offices of Chino Basin Watermaster, 9641 San Bernardino Road, Rancho Cucamonga, CA, on December 8, 2005 at 9:00 a.m.

**APPROPRIATIVE POOL MEMBERS PRESENT**

Dave Crosley, Chair	City of Chino
Robert DeLoach	Cucamonga Valley Water District
Raul Garibay	City of Pomona
Ken Jeske	City of Ontario
J. Arnold Rodriguez	Santa Ana River Water Company
Gerald J. Black	Fontana Union Water Company
Charles Moorrees	San Antonio Water Company
Mike Maestas	City of Chino Hills
Rosemary Hoerning	City of Upland
Mark Kinsey	Monte Vista Water District

**NON-AGRICULTURAL POOL MEMBERS PRESENT**

Justin Scott-Coe	Vulcan Materials Company (Calmat Division)
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**Watermaster Staff Present**

Kenneth R. Manning	Chief Executive Officer
Sheri Rojo	CFO/Asst. General Manager
Danielle Maurizio	Senior Engineer
Sherri Lynne Molino	Recording Secretary

**Watermaster Consultants Present**

Michael Fife	Hatch & Parent
Andy Malone	Wildermuth Environmental Inc.

**Others Present**

David De Jesus	Three Valleys Municipal Water District
Josephine Johnson	Monte Vista Water District

Chair Crosley called the meeting to order at 9:08 a.m.

**AGENDA - ADDITIONS/REORDER**

There were no additions or reorders made to the agenda.

**I. CONSENT CALENDAR**

**A. MINUTES**

1. Minutes of the Joint Appropriative and Non-Agricultural Pool Meeting held November 10, 2005

**B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of November 2005
2. Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2005 through November 30, 2005
3. Treasurer's Report of Financial Affairs for the Period November 1, 2005 through November 30, 2005
4. Profit & Loss Budget vs. Actual July through November 2005



*Motion by Jeske, second by DeLoach, and by unanimous vote – Non-Ag concurred  
Moved to approve Consent Calendar Items A through B, as presented*

## II. BUSINESS ITEMS

### A. MOTION FOR EXTENSION OF THE WATERMASTER BOARD

Mr. Manning noted that due to the calendar of the court it was necessary to schedule a December meeting and bring this item before the committee members for approval to forward this item to the Advisory Committee and Watermaster Board in order to meet the February 9, 2006 court date. Counsel Fife stated the motion which is in today's meeting packet is the motion that was before this committee a few months prior. At that past meeting a request was made by this committee to approach the Watermaster Board to file an alternate motion to request more time in order to allow the Peace II Agreement to be completed. Counsel did ask the court for an extension and the court granted an extension until February 9, 2006; at the court hearing the judge made it very clear he was willing to move the court date out, however, at that hearing a continuance would not be granted again. Counsel Fife stated it was anticipated the Peace II Agreement would be completed by this time; unfortunately that is not the case, however in order to make the February 9, 2006 hearing date a motion must be filed by January 9, 2006. Mr. Jeske inquired if the motion is to file for "the" nine member board or to appoint "a" board. Counsel Fife stated that counsel represents the board, the board has instructed counsel specifically to file a motion to reappoint "the" nine member board. A discussion ensued with regard to past discussions and the desire to complete the Peace II process prior to making this motion. Mr. Jeske noted that the City of Ontario is not in a position, at this time, to support a motion to reappoint "the" nine member board without the Peace II Agreement process in place. Mr. DeLoach stated that he felt it was clear by past meetings that the majority of this committee was not ready or willing to make a motion regarding the nine member board reappointment until the completion of the Peace II process and that Agreement is not concluded. Mr. DeLoach noted that Cucamonga Valley Water District is not in a position, at this time, to support a motion to reappoint "the" nine member board without the Peace II Agreement process in place. A lengthy discussion ensued with regard to linking or not linking the items of the Peace II Agreement and the issue of the nine member board reappointment together. The question what would happen if no action was taken today was presented. Counsel Fife stated that the issue has not been addressed and that counsel is unclear what happens if it expires, leaving a few options open for the committee to look at. Counsel Fife stated that the court appointed the Watermaster Board and in theory if the Watermaster Board expires the court will take over making the decisions. An extensive discussion ensued with regard to gain clarification of the process. Mr. Manning stated the motion being presented to the Pool today gives the committee members an opportunity to either reaffirm its earlier position, or to change that position, or to modify that position in any way. It was noted that the majority of the committee members felt they have not had enough time for thought and/or discussion on this item to present a motion at this time. Mr. Kinsey commented on the situation at hand which has a time constraint attached to it regarding the February 9, 2006 scheduled court date and a twenty day prior filing date.

*Motion by Kinsey, second by Garibay*

***Motion was made to approve the reappointment of the Watermaster Board for another five year term and to keep this item open for discussion***

At 9:52 a.m. the open Appropriative & Non-Agricultural Pool meeting was adjourned and the confidential session convened.

At 10:01 a.m. the confidential session was adjourned and the open Appropriative & Non-Agricultural Pool meeting reconvened.

It was decided more time was needed for discussion and a separate Appropriative Pool member meeting would meet next week prior to the Advisory Committee meeting for the sole purpose of discussing the motion for the reappointment of the Watermaster Board and to bring back a motion at the December 15, 2005 continued Appropriative & Non-Agricultural Pool meeting. It was decided a roll call vote was needed to table this motion until further discussion can take place. A roll call vote was recorded to table the

motion for a vote to be taken on December 15, 2005 after a special separate Appropriative committee member meeting took place; yes votes were recorded from all but one pool committee member and the Non-Agricultural Pool member opted to vote at the December 15, 2005 meeting.

*Motion by Kinsey, second by Garibay, and by majority vote – Non-Ag concurred  
**Moved to table the motion for the extension of the Watermaster Board until  
 December 15, 2005 at 8:30 a.m., as presented***

**III. REPORTS/UPDATES**

**A. WATERMASTER GENERAL LEGAL COUNSEL REPORT**

1. Attorney Manager Process/Discussion of Peace II Agreement

Counsel Fife stated there was a follow up workshop held on December 7, 2005 which went very smoothly with questions and answers which were brought about by Counsel Slater reading the compiled list of previously presented questions which came out of the first workshop. This item was discussed in great detail at the Agricultural Pool meeting earlier this week. A discussion ensued with regard to time lines and suggestions that have come out of the workshops. It was noted that more workshops will be needed and scheduled in a timely manner and that no action is required today and is being presented for comment and discussion.

**B. CEO/STAFF REPORT**

1. Volume Vote Calculations and 85/15 Credit for Non-Agricultural Assignments Review for January Meeting

Mr. Manning noted this item will be presented with a full report at the January 2006 meeting.

**IV. INFORMATION**

1. Newspaper Articles

No comment was made regarding this item.

**V. POOL MEMBER COMMENTS**

No comment was made regarding this item.

**VI. OTHER BUSINESS**

No comment was made regarding this item.

**VII. FUTURE MEETINGS**

December 6, 2005	9:00 a.m.	Agricultural Pool Meeting @ IEUA
December 8, 2005	9:00 a.m.	Appropriative & Non-Agricultural Pool Meeting
December 15, 2005	9:00 a.m.	Advisory Committee Meeting
December 15, 2005	11:00 a.m.	Watermaster Board Meeting
January 12, 2006	9:00 a.m.	Annual Appropriative Pool Meeting
January 12, 2006	11:00 a.m.	Annual Non-Agricultural Pool Meeting
January 17, 2005	9:00 a.m.	Annual Agricultural Pool Meeting @ IEUA
January 26, 2006	9:00 a.m.	Annual Advisory Committee Meeting
January 26, 2006	11:00 a.m.	Annual Watermaster Board Meeting

The Appropriative Pool meeting was called to recess until December 15, 2005 at 8:30 a.m.

The Joint Appropriative and Non-Agricultural Pool Meeting came together from the recess which was called from the December 8, 2005 joint meeting and was held at the offices of Chino Basin Watermaster, 9641 San Bernardino Road, Rancho Cucamonga, CA, on December 15, 2005 at 8:30 a.m.

**APPROPRIATIVE POOL MEMBERS PRESENT**

Dave Crosley, Chair	City of Chino
Robert DeLoach	Cucamonga Valley Water District
Raul Garibay	City of Pomona
Ken Jeske	City of Ontario
J. Arnold Rodriguez	Santa Ana River Water Company
Gerald J. Black	Fontana Union Water Company
Charles Moorrees	San Antonio Water Company
Mike Maestas	City of Chino Hills
Rosemary Hoerning	City of Upland
Mark Kinsey	Monte Vista Water District
Chris Diggs	Fontana Water Company
Carole McGreevy	Jurupa Community Services District

**NON-AGRICULTURAL POOL MEMBERS PRESENT**

Bob Bowcock	Vulcan Materials Company (Calmat Division)
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**Watermaster Staff Present**

Kenneth R. Manning	Chief Executive Officer
Danielle Maurizio	Senior Engineer
Sherri Lynne Molino	Recording Secretary

**Watermaster Consultants Present**

Scott Slater	Hatch & Parent
Mark Wildermuth	Wildermuth Environmental Inc.

**Others Present**

David De Jesus	Three Valleys Municipal Water District
Josephine Johnson	Monte Vista Water District
Justin Scott-Coe	Vulcan Materials Company (Calmat Division)
Rick Hansen	Three Valleys Municipal Water District

Chair Crosley called the meeting from recess to order at 8:30 a.m.

**II. BUSINESS ITEMS**

**A. MOTION FOR EXTENSION OF THE WATERMASTER BOARD**

Mr. Kinsey asked to modify the motion that he made at the December 8, 2005 meeting to reflect an alternative motion which was formed at the separate committee meeting earlier this week. Mr. Manning clarified that Mr. Kinsey was withdrawing his original motion and replacing it with the new stated motion; Mr. Kinsey acknowledged that was correct. It was noted this item needs to remain open for discussion. Mr. Kinsey stated he was able to address this situation in closed session with his board and noted the Monte Vista Water District Board appears to be willing to go along with the alternate motion in hopes to make the process better. The decision to form a committee came out of the separate meeting; however, how the make up of the committee will be comprised was not fully discussed. Mr. DeLoach stated the Advisory Committee meeting is set to start here shortly and this new motion will be brought forward to that committee along with a different motion offered by the Agricultural Pool and that only after the Advisory and Watermaster Board meet should the discussion of the composition of the new committee be discussed. Mr. Kinsey noted there might be suggestions that come out of the Advisory Committee meeting which will contain give and take on the part of the composition. A discussion ensued with regards to the motion made and the possible governance structure changes. Counsel Slater stated the subject under consideration is an important one and one that there will be some sensitivity around. Counsel Slater stated that given the nature of the subject counsel wanted to call attention to the procedure that is called for in the Judgment where there is a recommendation coming from a pool and a requirement where the recommendation which requires Watermaster action being noticed to the other pools prior to it being considered by the

Advisory Committee. There are some challenges related to the timing in which the pleading might be filed. Counsel Slater recited paragraph 38a in the Judgment which makes reference to the thirty day notice. A discussion ensued with regard to the statements made by counsel. Mr. Jeske noted that the intention of the provided motion is to create a better working and more effective governance of Watermaster. Mr. Kinsey offered comment and inquired to counsel that if because the motion is different than the Agricultural Pool's motion if a thirty day notice needs to take place; Counsel Slater stated he was simply reading what the Judgment calls out with regards to a pool recommendation to Watermaster for implementation. Counsel Slater stated he is not counsel to the pool, however a considered argument for the pool could be that this is a subject matter that has been under deliberation for several months and the subject matter is not new and that there has been full and fair notice by the other pools of the pleadings specifically. Mr. Manning asked that he reiterate what the motion on the table is in that this pool is recommending the nine members board reappointment contingent upon the formation of a committee which does not cross over into the area that Counsel Slater noted. A question regarding the two year contingency was presented. Mr. Manning stated that this pool is asking for two years, although the base of the motion is this pool is supporting the nine member board reappointment. Mr. Kinsey stated the goal of Monte Vista Water Company is to only improve the processes and advance the governance of the decision makers.

*Motion by Kinsey, second by Garibay, and by unanimous vote – Non-Ag concurred*  
***Moved to approve to recommend the reappointment of the nine member Watermaster Board contingent upon the formation of a Watermaster committee to review and make recommendations regarding possible changes in the Watermaster governance structure including the roles and functions of the Pools, Advisory Committee, and the Watermaster Board of Directors no later than December 31, 2007, as presented***

The Joint Appropriative & Non-Agricultural Pool Meeting Adjourned at 8:50 a.m.

Secretary: \_\_\_\_\_

Minutes Approved: \_\_\_\_\_

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# CHINO BASIN WATERMASTER

## II. CONSENT CALENDAR

### A. MINUTES

1. Agricultural Pool – December 6, 2005



*Draft Minutes*  
**CHINO BASIN WATERMASTER  
AGRICULTURAL POOL MEETING**

December 6, 2005

The Agricultural Pool Meeting was held at the offices of the Inland Empire Utilities Agency, 6075 Kimball Avenue, Chino, CA, on December 6, 2005 at 9:00 a.m.

**Agricultural Pool Members Present**

Nathan deBoom, Chair	Milk Producers Council
Gene Koopman	Milk Producers Council
Glen Durrington	Crops
John Huitsing	Dairy
Pete Hettinga	Dairy
Bob Feenstra	Dairy
Edward Gonsman	State of California, CIM
Dan Hostetler	Cal Poly Pomona

**Watermaster Board Member Present**

Geoffrey Vanden Heuvel	Crops
Al Lopez	Western Municipal Water District

**Watermaster Staff Present**

Kenneth R. Manning	Chief Executive Officer
Sheri Rojo	CFO/Asst. General Manager
Gordon Treweek	Project Engineer
Danielle Maurizio	Senior Engineer

**Watermaster Consultants Present**

Michael Fife	Hatch & Parent
Mark Wildermuth	Wildermuth Environmental Inc.

**Others Present**

Steve Lee	Reid & Hellyer
Ken Jeske	City of Ontario
Mark Kinsey	Monte Vista Water District
Sandra Rose	Monte Vista Water District
Josephine Johnson	Monte Vista Water District
Rick Rees	Geomatrix for California
Frank Brommenschenkel	Consultant for Reid & Hellyer

Chair deBoom called the meeting to order at 9:10 a.m.

**AGENDA - ADDITIONS/REORDER**

**I. CONSENT CALENDAR**

**A. MINUTES**

1. Minutes of the Agricultural Pool Meeting held November 15, 2005

**B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of November 2005
2. Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2005 through November 30, 2005

3. Treasurer's Report of Financial Affairs for the Period November 1, 2005 through November 30, 2005
4. Profit & Loss Budget vs. Actual July through November 2005

*Motion by Koopman, second by Durrington, and by unanimous vote*

***Moved to approve Consent Calendar Items A through B, as presented***

## II. BUSINESS ITEMS

### A. MOTION FOR EXTENSION OF THE WATERMASTER BOARD

Mr. Manning introduced the Watermaster Board item and stated there have been extensive discussions regarding this item and noted action must be presented to the court on the hearing date of February 9, 2006 which is why the meetings in December needed to take place. Counsel Fife stated this motion has been presented at a prior meeting and is only slightly different from the one which was presented a few months prior. The motion is asking for a reappointment of the Watermaster's nine member Board for another five year term. The structure of the motion is to go through all the conditions that the court has laid out, both when it made the first reappointment five years ago and anything subsequent to that be satisfied also. There are several references to the State of the Basin Report which has been made available to the Watermaster parties for a few months; this will be one of the other items submitted to the court on February 9, 2006. A question regarding the make up of the board remaining as it currently comprised was presented. Counsel Fife stated this motion is for a rollover of the current make up of the board for another five year term.

*Motion by Feenstra, second by Koopman, and by unanimous vote*

***Moved to approve the motion for the extension of the Watermaster Board, as presented***

## III. REPORTS/UPDATES

### A. WATERMASTER GENERAL LEGAL COUNSEL REPORT

#### 1. Attorney Manager Process/Discussion of Peace II Agreement

Counsel Fife stated there was a recent Peace II Workshop held which was widely attended and there has been a follow up workshop scheduled for December 7, 2005. The outcome of the workshop was presented to the Watermaster Board and the Board decided to schedule a follow up workshop and instructed staff to distribute the agreement to the Pools so the Pool members could begin discussing the agreement. No action is required today and is being presented for comment and discussion. Mr. Koopman presented several technical questions to Mr. Wildermuth. Mr. Wildermuth offered comments on Mr. Koopman's technical questions. A discussion ensued with regard to Agricultural Pool transfers and it was noted there are no Agricultural Pool transfers, only a Watermaster accounting procedure. A further discussion ensued with regard to who could possibly be considered an Agricultural Pool member later on down the road. Counsel Fife stated the members of the Agricultural Pool are specifically listed in the Judgment. Mr. Manning offered comment on conversion area 1 and noted that Watermaster staff is confident regarding what properties are available for Agricultural conversion and when and how to take that process forward. A lengthy discussion ensued with regard to Agricultural water rights to pump or not to pump. It was asked that Mr. Wildermuth give a short presentation on why water is going to be drawn down in the middle of the basin. Mr. Wildermuth stated he had nothing official prepared, however, would offer comment. Mr. Wildermuth gave a brief summary of the implementation of Peace I and how tools were developed to operate the basin (computer simulation tools). During the analysis various issues and forethoughts arose regarding the basins operation. Mr. Wildermuth offered different scenarios regarding replenishment and its possible effects and noted that when pumping started many many years ago it changed the water levels in the basin. Mr. Wildermuth stated that when the original adjudication was done for this basin, the assumption was that the basin was a bowl, and had a constant outflow, which was basically based on very limited data and basin knowledge. The storage arrangement and how we think about how the basin



operates is based on a flawed conceptual model; in the real world the basin is tilted. A lengthy discussion ensued with regard to pumping and desalter replenishment with regard to inflow and water levels. Mr. Vanden Heuvel offered comment regarding a chart that was presented at the recent workshop and made reference to the examples given in the chart regarding full, half, and no replenishment obligations and in looking to other sources where we can get maximum benefit without full forgiveness. Mr. Vanden Heuvel stated that we would be foolish to ignore our future water legacy. While Mr. Vanden Heuvel fully supports Hydraulic Control, he voiced his vast concerns over the proposed Peace II Agreement and its possible long term affect on legacy. Mr. Atwater spoke on blending and water management strategies. A discussion ensued with regard to water treatments and replenishment with treated and/or blended water. It was noted that Wildermuth Environmental's proposal is mirroring what Orange County has already done successfully. Mr. Jeske stated the proposed Peace II Agreement has a lot of advantages regarding pumping and drawdown "incentives" and managing hydraulics. A discussion ensued with regard to moving forward with the proposed Peace II Agreement and the use of desalter water. Chair deBoom inquired if there will be any type of checks and balances that will be put into place to see that projects and improvements are moving forward and are on track. Mr. Manning stated there needs to be a movement now towards recharge facilities and access to water, whether it be advanced treatment on reclaimed water, additional water from MET, or an outside purchase that would be guaranteed. Watermaster staff has been looking into these areas along with the purchase of additional recharge facilities as part of the strategic planning process. Counsel Fife noted that several of the inquiries will be addressed at the Peace II Workshop tomorrow. Mr. Kinsey commented on purchasing water in the future and a discussion ensued with regards to Mr. Kinsey's comments. Counsel Fife stated this discussion was a good start and noted dialog will continue on this matter.

#### B. CEO/STAFF REPORT

1. Agricultural Pool Transfer Credit  
No comment was made regarding this item.
2. Review Land Use Conversion Area Maps  
No comment was made regarding this item.
3. MZ1 Transfer Discussion  
No comment was made regarding this item.

#### Added Item:

Mr. Manning stated there were discussions with the possible responsible parties (PRP) on the Ontario Airport issue and one thing the PRP's has requested is access to data within in the zone of contamination. Many of the wells in that zone are Agricultural wells; notification will be sent to well owners on this request. A discussion ensued with regard to what information is already available at the Regional Board. Mr. Wildermuth noted the plume is now much larger and more information that was not previously gathered from additional wells is now needed. A question regarding releasing information on other contaminants was presented. Mr. Manning noted that the "confidentiality" agreement" to not make released data available to the public will be enforced. Counsel Lee stated the notification to the pump well owner will include the notice of confidentiality and will be up to those individual well owners if they want to release such data. Mr. Manning noted that Watermaster is anxious to get the letters out in the mail to assist the Regional Board and enter into a meaningful dialog with the PRP's on the plume issue.

#### IV. INFORMATION

1. Newspaper Articles  
No comment was made regarding this item.

V. POOL MEMBER COMMENTS

No comment was made regarding this item.

VI. OTHER BUSINESS

No comment was made regarding this item.

VII. FUTURE MEETINGS

December 6, 2005	9:00 a.m.	Agricultural Pool Meeting @ IEUA
December 8, 2005	9:00 a.m.	Appropriative & Non-Agricultural Pool Meeting
December 15, 2005	9:00 a.m.	Advisory Committee Meeting
December 15, 2005	11:00 a.m.	Watermaster Board Meeting
January 12, 2006	9:00 a.m.	Annual Appropriative Pool Meeting
January 12, 2006	11:00 a.m.	Annual Non-Agricultural Pool Meeting
January 17, 2005	9:00 a.m.	Annual Agricultural Pool Meeting @ IEUA
January 26, 2006	9:00 a.m.	Annual Advisory Committee Meeting
January 26, 2006	11:00 a.m.	Annual Watermaster Board Meeting

The Agricultural Pool Meeting Adjourned at 11:00 a.m.

Secretary: \_\_\_\_\_

Minutes Approved: \_\_\_\_\_



# CHINO BASIN WATERMASTER

## II. CONSENT CALENDAR

### B. CHINO BASIN WATERMASTER INVESTMENT POLICY



**RESOLUTION 06-01**

**RESOLUTION OF THE CHINO BASIN WATERMASTER,  
SAN BERNARDINO COUNTY, CALIFORNIA, ESTABLISHING  
A WATERMASTER INVESTMENT POLICY**

**WHEREAS**, the normal and prudent operation of the Watermaster's daily business generates cash balances, operating and fund reserves; and

**WHEREAS**, the cash management system is designed to accurately monitor and forecast expenditures and revenues on behalf of Watermaster, thus enabling the Watermaster to invest funds to the fullest extent possible; and

**WHEREAS**, the cash funds are to be placed in investments authorized for public agencies of the State of California (Judgment Paragraph 23); and

**WHEREAS**, Watermaster deems it to be in the best interests of the parties to the Judgment to delegate the authority to invest and reinvest the funds of Watermaster to the Watermaster Finance Manager subject to the provisions of its Investment Policy and the ongoing review and control of Watermaster and the Watermaster Advisory Committee.

**WHEREAS**, it is the Watermaster's policy to annually review, update, and adopt an investment policy;

**NOW, THEREFORE, BE IT RESOLVED**, by the Chino Basin Watermaster that:

Section 1. The authority to invest and reinvest funds of Watermaster is hereby delegated to the Watermaster Chief Financial Officer subject to the provisions of said Investment Policy and the ongoing review and control of Watermaster and the Watermaster Advisory Committee.

Section 2. This resolution shall take effect from and after its date of adoption and Resolution 00-09 is rescinded in its entirety.

\*\*Watermaster's Investment Policy originally adopted by the Advisory Committee on February 13, 1997 and the Watermaster Board on March 5, 1998.

**APPROVED** by the Advisory Committee this 26<sup>th</sup> day of January 2006.

**ADOPTED** by the Watermaster Board on this 26<sup>th</sup> day of January 2006.

By: \_\_\_\_\_  
Chairman, Watermaster Board

APPROVED:

\_\_\_\_\_  
Chairman, Advisory Committee

ATTEST:

\_\_\_\_\_  
Secretary  
Chino Basin Watermaster

STATE OF CALIFORNIA            )  
  ) ss  
COUNTY OF SAN BERNARDINO    )

I, \_\_\_\_\_, Secretary of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution being No. 06-01, was adopted at a regular meeting of the Chino Basin Watermaster Board by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

CHINO BASIN WATERMASTER

\_\_\_\_\_  
Secretary

Date: \_\_\_\_\_

## CHINO BASIN WATERMASTER INVESTMENT POLICY

### **I**      **PURPOSE**

This statement provides guidelines for the prudent investment of the Chino Basin Watermaster's (Watermaster) cash, and outlines the policies for maximizing the efficiency of Watermaster's cash management system. The ultimate goal, through the implementation of the investment policy, is to maintain the security, the liquidity, and yield (in that order of priority) of the investments made with the Watermaster's reserves and temporarily idle funds to maximize the economic position of the Watermaster while protecting its pooled cash assets through a system of checks and balances.

### **II**      **SCOPE**

This policy covers all funds and investment activities under the direct authority of the Watermaster as administered by the Treasurer and/or Controller and Watermaster Services Staff, that are collected pursuant to adoption of the Watermaster Budget and subsequent assessment levy by the Watermaster for any given fiscal year.

### **III**      **OBJECTIVE**

The Watermaster's cash management system is designed to accurately monitor and forecast expenditures and revenues, thus enabling the Watermaster to invest funds to the fullest extent possible. The objective is to receive the highest yield obtainable on behalf of Watermaster, as long as investments meet the criteria established for safety and liquidity. The investment portfolio will be diversified to minimize risks and to assure safety and probable income.

### **IV**      **POLICY**

The Watermaster operates its temporary pooled idle cash investments under the prudent person rule (Civil Code Section 2261, et seq.) which obligates a fiduciary to insure that:

"...investments shall be made with the exercise of that degree of judgment and care, under circumstances then prevailing, which persons of prudence, discretion, and intelligence exercise in the management of their own affairs, not for speculation, but for investment considering the probable safety of their capital as well as the probable income to be derived."

### **V**      **DEPOSITS AND INVESTMENTS CRITERIA:**

#### **A.      DEPOSITS:**

1.      In selecting financial institutions for the deposit or investment of Watermaster funds, the Treasurer and/or the Controller shall consider the creditworthiness of institutions, including the Depositories' latest equity/asset ratio data. They shall continue to monitor the financial institutions' credit characteristics and financial history throughout the period during which Watermaster funds are deposited or invested. Institutions must be at least three (3) years old, have total assets in excess of ten (10) billion dollars and an equity to assets ratio of 5% or better, or have total assets in excess of one hundred (100) million dollars and an equity to assets ratio of 6% or better.

2. Total deposits placed with any local savings and loan institution shall not exceed \$100,000.
3. Except for those funds necessary to meet day-to-day cash demands and the amount required by the bank to maintain Watermaster checking accounts, all Watermaster funds are deposited in interest-bearing accounts.
4. Total deposits placed with any financial institution shall not exceed three (3) million dollars of available funds. The computation of this limitation shall not include the funds in demand deposits, passbook savings accounts, or invested in U.S. Government securities.
5. Upon request by a financial institution, the Watermaster may waive up to 90% of the collateral requirement on funds insured by either the Federal Deposit Insurance Corporation or the Savings Association Insurance Fund (SAIF).
6. All financial "Brokers" utilized in conjunction with Investments or Deposits shall be authorized by an Advisory Committee adopted Resolution.

**B. INVESTMENTS:**

1. Securities of the United States Government, its agencies and instrumentality's with remaining maturities of five years or less, provided that the yield exceeds the currently available yield on Time Certificates of Deposit. These may include Treasury Bills, Notes, Bonds, Certificates of Indebtedness and Government National Mortgage Association issues (GNMA's). Securities may be purchased on a when-issued basis at prices set in the open market prior to the issuance auction and before the settlement date in order to eliminate uncertainty about prices and amounts purchased. When investing in "when-issued" securities, trading will be based on documented ability and intention to accept delivery and make payment on the settlement date to avoid speculation.
2. Insured or Collateralized Certificates of Deposit placed with commercial banks and/or savings and loan institutions.
3. Negotiable Certificates of Deposit issued by a nationally or state chartered bank or savings and loan association; total of purchases shall not exceed 30% of available funds.
4. Commercial Paper rated "prime quality" or of the highest letter and numerical rating by Moody's or Standard and Poor's. The corporations issuing the commercial paper must be organized and operating within the United States, have assets of \$500,000,000 and an "AAA" or better rating on debentures other than commercial paper. The term of the investment shall not exceed 180 days, nor shall the amount placed exceed 10% of the outstanding commercial paper of an issuing corporation. Purchases of commercial paper shall not exceed 15% of the Watermaster's funds available for investment.
5. Local Agency Investment Fund (LAIF) - State Pool. Investment of funds cannot exceed the maximum per agency "floating" cap of the LAIF.
6. Passbook Savings Account and Demand Deposits offered by federally insured institutions and meeting all aforementioned criteria.

**VI INVESTMENT SELECTION AND PRIORITY CRITERIA**

- A. **Safety:** The safety and risk associated with an investment refers to the potential loss of principal, interest, or a combination of these amounts. Since it is the primary duty and responsibility of the Treasurer and/or Controller to protect, preserve, and maintain cash and investments placed in his/her trust on behalf of the Watermaster, those instruments that are considered very safe will be used for investment.
- B. **Liquidity:** This refers to the ability to "cash in" at any moment in time with a minimal chance of losing some portion of the principal or interest. Liquidity is an important investment component since cash requirements cannot be fully anticipated and an unexpected need for funds may occur occasionally.
- C. **Yield:** Yield is the potential dollar earnings an investment can provide, and sometimes is described as the rate of return. It should become a consideration only after the basic requirements of safety and liquidity have been met.

## **VII**    **SAFEKEEPING**

Securities purchased from broker/dealers shall be held in segregated customer accounts, in the Watermaster's name, either by possession or at an approved depository pursuant to SEC Rule 15C3-3. Securities purchased through the financial institutions shall be held by the institutions' agent(s). All Certificates of Deposit and Government Agency Issues must be issued to and held by Watermaster.

## **VIII**    **PUBLIC TRUST**

All participants in the investment process shall act as custodians of the public trust. Investment officials shall recognize that the investment portfolio is subject to public review and evaluation. The overall program shall be designed and managed with a degree of professionalism that is worthy of the public trust. In a diversified portfolio, it must be recognized that occasional measured losses are possible, and must be considered within the context of the overall portfolio's investment return, provided that adequate diversification has been implemented.

## **IX**    **RISK TOLERANCE**

Portfolio diversification is employed as a way to control risk. Investment managers are expected to display prudence in the selection of securities, as a way to minimize default risk. No individual investment transaction shall be undertaken which jeopardizes the total capital position of the overall portfolio. The Treasurer and/or Controller shall, on behalf of Watermaster, periodically prepare and recommend guidelines and strategies to the Advisory Committee to control risks of default, market price changes, and illiquidity. Any changes to the policy will be effectuated by resolution to be adopted by the Watermaster following recommendation of the Advisory Committee. All investment periods shall be for one (1) year or less.

## **X**    **REPORTING**

The Treasurer and/or Controller shall submit a monthly investment report to the Watermaster Advisory Committee and shall submit reports to Watermaster when Watermaster convenes. This report will include all required elements of the monthly report as prescribed by Government Code Section 53646.

Required elements of the monthly report include:



- a. Type of investment
- b. Name of Institution
- c. Date of maturity
- d. Amount of deposit or cost of the security
- e. Current market value of a security with a maturity in excess of 12 months
- f. Rate of interest/earning
- g. Statement relating the report to the Statement of Investment Policy
- h. Statement that there are sufficient funds to meet the next 30 days' obligations

#### **XI DELEGATION OF AUTHORITY**

The financial and accounting duties imposed by Government Code Section 40802-40805 have been transferred to the \_\_\_\_\_.

#### **XII INTERNAL CONTROLS**

The Treasurer and/or Controller shall establish a system of internal controls, which shall be documented in writing. The internal controls shall be reviewed with the Chief of Watermaster and an independent auditor and presented to the Advisory Committee. The controls shall be designed to prevent losses of public funds arising from fraud, employee error, misrepresentation by third parties, unanticipated changes in financial markets, or imprudent action by employees and/or officers of the Watermaster.

#### **XIII POLICY ADOPTION**

- The above investment policy will be adopted periodically by resolution of the Watermaster. The policy is reviewed on a periodic basis by the Treasurer and/or Controller and by the Watermaster, and any modifications made thereto are subsequently reviewed and approved by a resolution of the Watermaster Advisory Committee prior to implementation.

The Treasurer and/or Controller will strive to maintain the level of investment of all Watermaster funds as near 100% as possible, through daily and projected cash flow determination. Idle cash management and investment transactions are also the assigned responsibility of the Treasurer and/or Controller. The basic premise underlying Watermaster's investment philosophy is, and will continue to be, to insure that money is always safe and available when needed.

mhs:invest.wm

RESOLUTION 00-09

RESOLUTION OF THE CHINO BASIN WATERMASTER,  
SAN BERNARDINO COUNTY, CALIFORNIA, ESTABLISHING  
A WATERMASTER INVESTMENT POLICY

WHEREAS, the normal and prudent operation of the Watermaster's daily business generates cash balances, operating and fund reserves; and

WHEREAS, the cash management system is designed to accurately monitor and forecast expenditures and revenues on behalf of Watermaster, thus enabling the Watermaster to invest funds to the fullest extent possible; and

WHEREAS, the cash funds are to be placed in investments authorized for public agencies of the State of California (Judgment Paragraph 23); and

WHEREAS, Watermaster deems it to be in the best interests of the parties to the Judgment to delegate the authority to invest and reinvest the funds of Watermaster to the Watermaster Office Manager/Accountant subject to the provisions of its Investment Policy and the ongoing review and control of Watermaster and the Watermaster Advisory Committee.

WHEREAS, it is the Watermaster's policy to periodically review, update, and adopt an investment policy;

NOW, THEREFORE, BE IT RESOLVED, by the Chino Basin Watermaster that:

- Section 1. That the Chino Basin Watermaster Investment Policy dated the 28<sup>th</sup> of October, 1999, revising "Controller" to "Office Manager/Accountant", remains in effect.
- Section 2. The authority to invest and reinvest funds of Watermaster is hereby delegated to the Watermaster Office Manager/Accountant subject to the provisions of said Investment Policy and the ongoing review and control of Watermaster and the Watermaster Advisory Committee.
- Section 3. This resolution shall take effect from and after its date of adoption and Resolution 99-11 is rescinded in its entirety.

\*\*Watermaster's Investment Policy originally approved by the Advisory Committee on February 13, 1997 and the Watermaster Board on March 5, 1998.


APPROVED by the Advisory Committee this 22<sup>nd</sup> day of December 2000.

ADOPTED by the Watermaster Board on this 22<sup>nd</sup> day of December 2000.

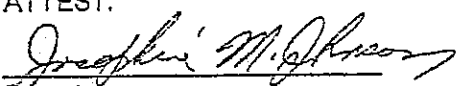
By:

  
Chairman, Watermaster Board

APPROVED:

  
Chairman, Advisory Committee

ATTEST:

  
Secretary  
Chino Basin Watermaster

STATE OF CALIFORNIA            )  
  ) ss  
COUNTY OF SAN BERNARDINO    )

I, Josephine Johnson, Secretary of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution being No. 2000-09, was adopted at a regular meeting of the Chino Basin Watermaster Board by the following vote:

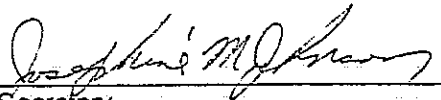
AYES:           Members Arbelbide, Boston, Catlin, Hofer, Johnson, King, Krueger, Neufeld, and  
                  Vanden Heuvel

NOES:           None

ABSENT:        None

ABSTAIN:       None

CHINO BASIN WATERMASTER

  
\_\_\_\_\_  
Secretary



# CHINO BASIN WATERMASTER

## II. CONSENT CALENDAR

### C. LOCAL AGENCY INVESTMENT FUND



**RESOLUTION 06-02 OF CHINO BASIN WATERMASTER**

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730

PHONE: 909-484-3888

**AUTHORIZING INVESTMENT OF MONIES  
IN THE LOCAL AGENCY INVESTMENT FUND**

**WHEREAS**, Pursuant to Chapter 730 of the statutes of 1976 Section 16429.1 was added to the California Government Code to create a Local Agency Investment Fund in the State Treasury for the deposit of money of a local agency for purposes of investment by the State Treasurer; and

**WHEREAS**, the Chino Basin Watermaster was appointed on January 27, 1978, under San Bernardino Superior Court Case No. WCV51010 (formerly Case No. SCV164327) entitled Chino Basin Municipal Water District V. City of Chino, et al., with powers to authorize the investment or deposit of surplus funds pursuant to the California Government Code, Section 53600; and

**WHEREAS**, upon filing of an appropriate resolution, local agencies are permitted to remit money to the State Treasurer for deposit in the fund for the purpose of investment; and pursuant to Section 16429.3 of said Government Code, such monies are not subject to impoundment of seizure by any state official or state agency.

**NOW THEREFORE, BE IT RESOLVED**, that the Board of Directors does hereby authorize the deposit and withdrawal of Chino Basin Watermaster monies in the Local Agency Investment Fund in the State Treasury in accordance with the provisions of Section 16429.1 of the Government Code for the purpose of investment as stated therein, and verification by the State Treasurer's Office of all banking information provided in that record.

**BE IT FURTHER RESOLVED**, that the following Chino Basin Watermaster officers and designated employees or their successors in office/position shall be authorized to order the deposit or withdrawal of monies in the Local Agency Investment Fund.

_____	<u>Chairman of the Board</u>	_____
(NAME)	(TITLE)	(SIGNATURE)
_____	<u>Vice-Chair</u>	_____
(NAME)	(TITLE)	(SIGNATURE)
_____	<u>Secretary/Treasurer</u>	_____
(NAME)	(TITLE)	(SIGNATURE)
<u>Kenneth R. Manning</u>	<u>Chief Executive Officer/Secretary</u>	_____
(NAME)	(TITLE)	(SIGNATURE)
<u>Sheri Rojo</u>	<u>C.F.O./Asst. G.M.</u>	_____
(NAME)	(TITLE)	(SIGNATURE)

**PASSED AND ADOPTED**, by the Board of Directors of Chino Basin Watermaster, San Bernardino County, State of California on January 26, 2006.

**Note:** Resolution must be adopted by the governing body. Please submit a certified copy of the resolution to LAIF. A certified copy is 1) a copy of the resolution affixed with the seal of the agency or 2) a copy of the resolution attested by the Board Secretary with his/her original signature.

ATTEST:

\_\_\_\_\_  
Secretary  
Chino Basin Watermaster

STATE OF CALIFORNIA            )  
  ) ss  
COUNTY OF SAN BERNARDINO    )

I, \_\_\_\_\_, Secretary of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution of Chino Basin Watermaster, was adopted at a regular meeting of the Chino Basin Watermaster Board by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

CHINO BASIN WATERMASTER

\_\_\_\_\_  
Secretary

Date:



# CHINO BASIN WATERMASTER

## II. CONSENT CALENDAR

### D. ASSESSMENTS FOR FISCAL YEAR 2005-2006



**- DRAFT -  
RESOLUTION 06-03**

**A RESOLUTION OF THE CHINO BASIN WATERMASTER LEVYING REPLENISHMENT AND  
ADMINISTRATIVE ASSESSMENTS FOR FISCAL YEAR 2005- 2006**

WHEREAS, the Chino Basin Watermaster was appointed on January 27, 1978, under Case No. RCV 51010 (formerly case No. SCV 164327) entitled Chino Basin Municipal Water District v. City of Chino, et al., with powers to levy and collect administrative and replenishment assessments necessary to maintain water levels and to cover the cost of administering the Chino Basin Judgment; and

WHEREAS, the Watermaster Advisory Committee approved and the Watermaster Board adopted the Fiscal Year 2005-2006 Budget on November 17, 2005 to carry out the necessary Watermaster functions under the Judgment; and

WHEREAS, the parties named in this Judgment have pumped \_\_\_\_\_ acre-feet of water in excess of the operating safe yield, which is required to be replaced at the expense of the parties in accordance with the assessment formulas for the respective pools.

NOW, THEREFORE, BE IT RESOLVED that the Chino Basin Watermaster levies the respective assessments for each pool effective November 17, 2005 as showed on Exhibit "A" attached hereto.

BE IT FURTHER RESOLVED, that pursuant to the Judgment, each party has thirty-days from the date of invoice to remit the amount of payment for assessments due. After that date, interest will accrue on that portion which was due as provided for in Section 55 (c) of the Judgment.

THE FOREGOING RESOLUTION was

**APPROVED** by the Advisory Committee on the 26<sup>th</sup> day of January 2006.

**ADOPTED** by the Watermaster Board on the 26<sup>th</sup> day of January 2006.

By: \_\_\_\_\_  
Chairman, Watermaster Board

APPROVED:

\_\_\_\_\_  
Chairman, Advisory Committee

ATTEST:

\_\_\_\_\_





STATE OF CALIFORNIA            )  
  ) ss  
COUNTY OF SAN BERNARDINO    )

I, \_\_\_\_\_, Secretary of the Chino Basin Watermaster, DO HEREBY CERTIFY that the foregoing Resolution being No. 06-02 was adopted at a regular meeting of the Chino Basin Watermaster Board by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

CHINO BASIN WATERMASTER

\_\_\_\_\_  
Secretary

Date: \_\_\_\_\_

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# CHINO BASIN WATERMASTER

## II. CONSENT CALENDAR

### E. NOTICE OF INTENT





# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, CA 91720  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

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Kenneth R. Manning  
Chief Executive Officer

## STAFF REPORT

**DATE:** January 12, 2006  
January 17, 2006  
January 26, 2006

**TO:** Committee Members  
Watermaster Board Members

**SUBJECT:** Annual Filing of Notice of Intent Regarding the Determination of Operating Safe Yield

### Summary

**Issue** – Reservation of Right to Re-determine Safe Yield as per Chino Basin Watermaster Judgment.

**Recommendation** – Recommends the approval of the filing of Watermaster's "Notice of Intent to Change the Operating Safe Yield of the Chino Groundwater Basin".

**Fiscal Impact** - None

### Discussion

In an effort to comply with the Judgment requirement that a five-year notice of change be provided should a re-determination of the safe yield of the Chino Basin be made, Watermaster has approved its Notice of Intent in each year since 1982.

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# Watermaster's "Notice of Intent" to Change the Operating Safe Yield of the Chino Groundwater Basin

**PLEASE TAKE NOTICE** that on this 26<sup>th</sup> day of January 2006, Chino Basin Watermaster hereby files this 'NOTICE OF INTENT' to change the operating safe yield of the Chino Groundwater Basin Pursuant to the Judgment entered in Chino Basin Municipal Water District v. City of Chino, et al., San Bernardino Superior Court, Case No. RCV 51010 (formerly Case No. 164327) (Exhibit I, Paragraph 2b, Page 80).

**Approved by  
CHINO BASIN WATERMASTER  
ADVISORY COMMITTEE**

**CHINO BASIN WATERMASTER  
BOARD OF DIRECTORS**

By: \_\_\_\_\_  
Chair

By: \_\_\_\_\_  
Chair

**ATTEST:**

By: \_\_\_\_\_  
Secretary

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# CHINO BASIN WATERMASTER

## III. BUSINESS ITEM

- A. PROPOSAL FOR PROFESSIONAL  
ENGINEERING SUPPORT  
SERVICES FOR THE CHINO BASIN  
FACILITIES IMPROVEMENT  
PROJECT





# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

---

**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** January 12, 2006  
January 17, 2006  
January 26, 2006

**TO:** Committee Members  
Watermaster Board Members

**SUBJECT:** Professional Engineering Services for Reviewing SBCFCD/DSOD Operating Procedures

### SUMMARY:

**Issue** – During FY 2004/2005, Staff determined that the existing recharge basins have two shortcomings which should be corrected prior to FY2006/2007

**Fiscal Impact** – The contract ceiling for this effort is \$10,000 with labor and expenses to be billed on a time and materials basis.

### RECOMMENDATION:

During FY 2004/2005, Staff determined that the existing recharge basins have two shortcomings which should be corrected prior to FY2006/2007. The first shortcoming relates to the earthen berms which were constructed as internal conservation berms in several of the recharge basins. Originally designed as soil cement berms, they were eventually constructed as earthen berms as a cost saving measure. Regrettably the first major storm of the season breached the earthen berms, and rendered them ineffective. A recent feasibility study by Stantec determined that the berms should be hardened with soil cement, and heightened to store up to 50 AF as allowed by DSOD requirements. Based on the feasibility study, IEUA is currently selecting a design engineer to prepare detailed designs for the "heightening and hardening" of the intermediate berms with construction to occur in 2<sup>nd</sup> and 3<sup>rd</sup> quarters of CY 2006.

The second shortcoming relates to the SBCDCF/DSOD requirements to begin emptying the DSOD regulated basins immediately following a storm event. This means that several large basins, such as Etiwanda Debris Basin, Hickory Basin, San Sevaine #5 Basin and Jurupa Basin are not able to store and recharge the stormwater which results from major storm events. Staff feels that some flexibility exists within the DSOD requirements such that only 50% of the stored volume needs to be released (or recharged) within a 7 day period following a storm event. Of course a variety of engineering tests may be required, such as slope stability and drawdown analyses, to allay SBCFCD/DSOD concerns. The

purpose of this contract with Stantec is to more precisely determine exactly what the SBCFCD/DSOD requirements are, what engineering analyses have already been performed, and what additional tests are needed in order that modifications to current operating practices can be negotiated with the respective agencies.

The contract ceiling for this effort is \$10,000 with labor and expenses to be billed on a time and materials basis. Both the "heightening and hardening" and the modifications to operating procedures have been discussed in GRCC meetings, and the four parties have agreed to proceed as presented above.

---

Stantec Consulting Inc.  
19 Technology Drive  
Irvine CA 92618-2334  
Tel: (949) 923-6000 Fax: (949) 923-6121  
stantec.com



**Stantec**

November 8, 2005

Gordon Treweek, Ph.D.  
Project Engineer  
Chino Basin Watermaster  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730

**Reference: Letter Proposal for Professional Engineering Support Services  
Chino Basin Facilities Improvement Project (CBFIP)**

Dear Gordon:

Thank you for the opportunity to provide Chino Basin Watermaster (CBWM) with continued Professional Engineering Support Services for the Chino Basin Facilities Improvement Project (CBFIP). It is my understanding that services to be provided will include, but may not be limited to the following:

- review of San Bernardino County Flood Control District (SBCFCD) DSOD facilities including Etiwanda Basin, Hickory Basin, Jurupa Basin and San Sevaine Basins;
- review of actual DSOD criteria for the subject SBCFCD facilities;
- review of geotechnical investigations previously prepared under the CBFIP;
- review of conservation dike locations with respects to dam embankments;
- perform drawdown analyses; and
- summarize information gained during the review and analysis process.

Actual scope of work to be performed will be per the direction of CBWM and as agreed to by Stantec in order to further define scopes and estimated fees for tasks to be performed. The proposed total fee for these services is \$10,000.00 to be billed monthly on a time-and-materials

**Stantec**

November 8, 2005

Page 2 of 2

basis in accordance with the existing contract between CBWM and Stantec. Thank you for your consideration and please contact me at (949) 923-6211 with any questions or comments regarding this proposal.

Sincerely,

**STANTEC CONSULTING INC.**

A handwritten signature in cursive script, appearing to read "Kevin B. Brandt".

Kevin B. Brandt  
Project Manager  
Tel: (949) 923-6211  
Fax: (949) 923-6077  
kbrandt@stantec.com



# CHINO BASIN WATERMASTER

## III. BUSINESS ITEM

### B. BASIN OPERATIONS MANUAL





# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

---

**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** January 12, 2006  
January 17, 2006  
January 26, 2006

**TO:** Committee Members  
Watermaster Board Members

**SUBJECT:** Approval of the Chino Basin Recharge Facilities Operating Procedures Manual

### SUMMARY

**Issue** – The staff members of the Watermaster, Inland Empire Utilities Agency (IEUA), Chino Basin Water Conservation District (CBWCD) and San Bernardino County (County) have jointly developed the *Chino Basin Facilities Operating Procedures Manual* (Manual) and are nearing the completion of the final draft. The County is requiring that the Manual be completed and approved by all parties prior to allowing the basins to be operated for maximum stormwater recharge (pursuant to the Manual).

**Recommendation** – Approve the *Chino Basin Recharge Facilities Operating Procedures Manual* with minor revisions.

### BACKGROUND

This manual was prepared pursuant to the *Agreement for Operation and Maintenance of Facilities to Implement the Chino Basin Recharge Master Plan* (Agreement) dated January 2004. The manual describes the operation of the basins during storm, non-storm and maintenance periods.

The final draft will be completed in the next month or so and will be nearly identical to Administrative Draft No. 3—the difference being the correction of typographical errors and other minor edits and clarifications. The *Chino Basin Facilities Operating Procedures Manual, Administrative Draft No. 3* is available for review at the Watermaster ftp site [www.cbwm.org/ftp](http://www.cbwm.org/ftp). The Manual has been vetted by the staff and management of the Watermaster, CBWCD, IEUA, and the County. Watermaster staff is seeking the Watermaster's approval of the Manual. The IEUA, CBWCD, and the County are concurrently asking their boards to approve the Manual.

### DISCUSSION

The Manual contains the operating procedures for the Chino Basin recharge facilities as the facilities currently exist. This document was developed jointly by the Watermaster, CBWCD, IEUA, and the County. It is anticipated that these operating procedures will be routinely revised as the recharge facilities are completed over time and with operational experience. The Manual contains the following sections:

Section	Contents
1	Introduction
2	<i>General Description of the Recharge Plan as developed in the OBMP and implemented pursuant to the Peace Agreement</i>
3	<i>General Pattern of Operation. This section describes operation of the recharge facilities and roles of the various agencies that are participating in the operation of the recharge basins</i>
4	<i>Montclair and Brooks Basins, San Antonio Creek System. This section describes the details of basin operation for the San Antonio Creek system.</i>
5	<i>7<sup>th</sup> and 8<sup>th</sup> Street and Ely Basins, West Cucamonga Creek System. This section describes the details of basin operation for the West Cucamonga Creek system.</i>
6	<i>Turner Basins, Cucamonga and Deer Creeks System. This section describes the details of basin operation for the Cucamonga and Deer Creeks system.</i>
7	<i>Lower Day Basin, Day Creek Systems. This section describes the details of basin operation for the Day Creek system.</i>
8	<i>San Sevaine, Victoria, Banana, Hickory, Jurupa, RP3, Declez Basins, Etiwanda and San Sevaine Creeks System. This section describes the details of basin operation for the Etiwanda and San Sevaine Creeks system.</i>
Exhibits	The <i>Exhibits</i> contain the full agreement between the Watermaster, IEUA, CBWCD, and County for recharge, the Sample Supplemental Water Recharge Plan, and the Elevation-Area-Volume curves developed by Tettemer and Associates for each basin.

Section 3 is the most interesting section of the document, as it describes the operating concepts that are infused in all the facilities. Sections 4 through 8 describe the operations of specific facilities by drainage system and the responsibilities of the parties to the Agreement. Some of the main concepts incorporated in the Manual are:

- The recharge interests of the Watermaster, CBWCD, and IEUA are sometimes in conflict with the flood control function of the recharge basins. The plan of operation described recognizes the different goals of recharge and flood control and provides for the restoration of the flood control function of the multipurpose basins prior to significant storm events.
- The IEUA will be the operator of the recharge basins for the benefit of the CBWCD, IEUA, and Watermaster. The IEUA will designate specific staff to coordinate, manage and carryout the activities necessary for recharge.
- The Watermaster is responsible for and manages supplemental water recharge in the Chino Basin. In this role, the Watermaster will develop a supplemental water replenishment plan (SWRP) each year that is based on its replenishment needs and other recharge obligations (e.g. the Dry-Year Yield Program). The SWRP will also include the type of supplemental water (recycled or imported), location, and source of that water (Metropolitan, IEUA, others).
- The IEUA Groundwater Recharge Coordinator and Operators shall not, on his/her own initiative, change the mix of imported and recycled water specified in the SWRP unless instructed to or approved to do so in writing by the Watermaster.
- The IEUA Groundwater Recharge Coordinator will use his/her best efforts to obtain supplemental water per the SWRP and have that water delivered through flood control channels and pipelines to the recharge basins
- Operating rules, expressed as rule curves or set points, are used for each recharge basin. For conservation basins, rule curves define the target water surface elevation and storage for each basin throughout the year. For multipurpose basins the rule curves are simpler and are based on storm forecasting and limiting losses of supplemental water. The operating rules are tentative and meant to be reevaluated and updated for each basin as unique operational characteristics are identified through recharge experience at each basin.



- There are three distinct operating modes: conservation mode, pre-storm mode and storm mode.
- During conservation mode, conservation and multi-purpose basins are operated to maximize the recharge of storm and supplemental water.
- For dedicated conservation basins, the IEUA Operator will divert supplemental water into the basins as described in the SWRP. These diversions are subject to the maximum water surface elevation limits specified in the rule curve for each basin. The storage levels in the rule curves assume a maximum long-term average 10 percent loss of supplemental water due to outflow from storm events
- The maximum volume of supplemental water that can be stored in a multipurpose basin when it is being operated in conservation mode is equal to the estimated volume of water that can be recharged in a 7-day period.
- Pre-Storm mode consists of activities that take place to prepare multipurpose basins to receive stormwater.
- Storm Mode applies to multipurpose basins. The Storm Mode starts with the initiation of significant rainfall and continues until the SBCFCD authorizes the IEUA Groundwater Recharge Coordinator to change the operation mode from Storm to Conservation Mode.

There are tables that detail the operation of all of the operable elements of the recharge facilities for each operational mode in Sections 4 through 8.

## **CONCLUSION**

The Manual is substantially complete and has been vetted by the staff and management of the Watermaster, CBWCD, IEUA, and the County. Watermaster staff recommends that the Watermaster approve the *Chino Basin Recharge Facilities Operating Procedures Manual* with minor revisions.

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# CHINO BASIN WATERMASTER

## III. BUSINESS ITEM

- C. ANALYSIS OF MATERIAL  
PHYSICAL INJURY – MONTE VISTA  
WATER DISTRICT APPLICATION  
TO RECHARGE STATE WATER  
PROJECT WATER





# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

---

**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** January 12, 2006  
January 17, 2006  
January 26, 2006

**TO:** Committee Members  
Watermaster Board Members

**SUBJECT:** Analysis of Material Physical Injury – Monte Vista Water District Application to Recharge dated November 1, 2005

### SUMMARY

**Issue** – On November 1, 2005, the Monte Vista Water District (MVWD) sent an application to the Watermaster requesting to recharge up to 3,500 acre-ft/yr of State Water Project (SWP) water by injection at its wells 1, 4, 30 and 32. The MVWD characterizes this proposal as the initial phase of a larger recharge project that it has developed and may implement in the future based on the performance of this initial phase. Upon receipt of a recharge application, the Watermaster must conduct an analysis of Material Physical Injury pursuant to the Peace Agreement and the Watermaster's Rules and Regulations. The Watermaster CEO directed staff to complete the analysis of Material Physical Injury using the requirements listed in the Peace Agreement, balance of recharge and discharge in every area and subarea, maintenance of hydraulic control, and other criteria that may become appropriate to the Watermaster. Wildermuth Environmental Inc. (WEI) completed this analysis and their results are summarized below. Based on WEI's analysis, Watermaster staff has concluded that no material physical injury will occur from the MVWD's proposed recharge project.

**Recommendation** – Approve the MVWD's application to recharge a maximum 3,500 acre-ft/yr of treated SWP water by injection at its wells 1, 4, 30 and 32 subject to obtaining a permit to recharge treated SWP water from the RWQCB or alternatively entering into an agreement with the Watermaster and IEUA whereby MVWD's recharge would be covered in the Watermaster/IEUA permit for the recharge of imported and recycled water.

### BACKGROUND

The MVWD proposes to recharge up to 3,500 acre-ft/yr of treated State Water Project (SWP) water by injection at its wells 1, 4, 30 and 32 and to subsequently recover this water within the same year. This water will be treated to drinking water standards at the Water Facilities Authority treatment plant prior to injection. Injection will occur in the seven-month period of October through April and recovery will occur in the five-month period of May through September. The injected water will be used to offset a portion of the MVWD's annual overproduction in the Chino Basin.

The MVWD completed an investigation entitled *Groundwater Recharge Facilities Program Feasibility Study* in April 2003 (hereafter, *Feasibility Study*) and a related CEQA document entitled *Findings of Consistency, Groundwater Recharge Facility Feasibility Study* (hereafter, *Findings of Consistency*) in May 2003. The finding of consistency relates to the OBMP Program EIR completed in 2000.

## DISCUSSION

Article 10 of the Watermaster Rules and Regulations (paragraph 10.10) requires that:

*"[...] Watermaster prepare a written summary and analysis (which will include an analysis of the potential for material physical injury) of the Application and provide the Parties with a copy of the written summary and advanced notice of the date of Watermaster's scheduled consideration and possible action on any pending Applications."*

Per the Peace Agreement, material physical injury is defined as:

*"Material injury that is attributable to Recharge, Transfer, storage and recovery, management, movement or Production of water or implementation of the OBMP, including, but not limited to, degradation of water quality, liquefaction, land subsidence, increases in pump lift and adverse impacts associated with rising groundwater"* (Peace Agreement, page 8).

The Watermaster staff's analysis of material physical injury is summarized below.

**Groundwater Level Impacts (Liquefaction, Land Subsidence, and Increases in Pump Lift).** The proposed project will produce seasonal, short term localized increases in groundwater levels in the vicinity of the injection wells and a slight general increase in groundwater levels in the area bounded by the injection wells. The depth to groundwater ranges from 350 to 500 feet in this area. The expected increase in groundwater levels will likely average less than 5 feet. There will be no adverse impacts from the groundwater level changes.

**Balance of Recharge and Discharge in Every Area and Subarea.** The locations of recharge are the same wells that are used to pump groundwater and subsequently result in overproduction. In the absence of the proposed project, replenishment would occur in nearby Montclair and Upland Basins. The proposed project provides a better balance of recharge and discharge at the "subarea" level and augments the recharge capacity of the Montclair and Upland Basins.

**TDS and TN Concentration in Recharge Water.** The 2004 Regional Water Quality Control Plan (Basin Plan) for the Santa Ana Watershed has TDS and total nitrogen (TN) objectives in the Chino North Management Zone of 430 mg/L and 5 mg/L, respectively. The Watermaster and IEUA have agreed to manage the recharge in spreading basins in the Chino Basin so that the five-year, volume-weighted average for TDS and TN in this recharge will not exceed the Basin Plan objectives. The average TDS and TN of SWP water is about 290 mg/L and 1 mg/L, respectively. The volume-weighted average TDS and TN for the Chino Basin is about 280 mg/L and 2.4 mg/L, respectively, and is well below the compliance metrics. Therefore, the proposed recharge project will not encroach on the current assimilative capacity or interfere with the Watermaster and IEUA's recharge activities.

**Water Quality Impacts on Other Pumpers.** Presumably, water quality impacts on the MVWD, if any, will be small and will be managed pursuant to a permit issued by the RWQCB. Water quality impacts on other nearby pumpers could occur from minor changes in the groundwater flow system; impacts that would be the result of reprogramming replenishment from recharge basins to injection wells. These impacts were estimated by the MVWD's consultant (CDM) to be negligible in the *Feasibility Study* and related *Findings of Consistency*. Watermaster staff did not conduct an independent modeling assessment to validate this finding. However, we concur that the impact should be negligible and likely not measurable at other nearby wells.

## CONCLUSION

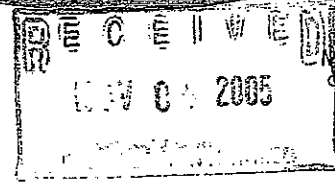
The project, as proposed by the MVWD, will not result in a material physical injury to the Chino Basin or other party. This conclusion is conditioned on the MVWD obtaining a permit to recharge treated SWP water from the RWQCB or alternatively entering into an agreement with the Watermaster and IEUA whereby MVWD's recharge would be covered in the Watermaster/IEUA permit for the recharge of imported and recycled water.

# Monte Vista

Dedicated to Quality,

Service and Innovation

November 1, 2005



Mark N. Kinsey  
GENERAL MANAGER

Mr. Ken Manning, Chief Executive Officer  
CHINO BASIN WATERMASTER  
9641 San Bernardino Road  
Rancho Cucamonga, California 91730

## Application for Recharge

Dear Mr. Manning: *Ken*

Enclosed is Monte Vista Water District's Application for Recharge of up to 3,500 AF of water, annually. Water recharged under this request will be State Water Project supplies treated to drinking water standards at the Water Facilities Authority plant in Upland, and will be utilized to offset a portion of the District's annual over-production in the Chino Groundwater Basin.

Recharge will be accomplished through injection at District wells 1, 4, 30, and 32. Additional information detailing the operation of these wells for groundwater injection purposes is provided in the attached *Findings of Consistency* for the District's Groundwater Recharge Facility Feasibility Study, dated May 2003.

In addition to detailing the operational aspects of these facilities, the *Findings of Consistency* provides a summary of the localized and regional water quality and groundwater level changes associated with project implementation through 2020. This information was developed through the use of the groundwater model utilized for Watermaster's Optimum Basin Management Program and its supporting environmental documentation.

If you have any questions regarding this application or require further information, please contact the District at your convenience. Thank you.

Sincerely,

**Monte Vista Water District**

Mark N. Kinsey  
General Manager

Enclosures

cc: MVWD Board of Directors  
Robert Tock, District Engineer

# Water District

10575 Central Avenue, Post Office Box 71 • Montclair, California 91763 • (909) 624-0035 • FAX (909) 624-4725

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**APPLICATION FOR RECHARGE**

**APPLICANT**

**Monte Vista Water District**  
**10575 Central Avenue**  
**Montclair, CA 91763**  
**(909) 624-0035 (phone)**  
**(909) 624-4725 (fax)**

11/1/05  
 Date Requested  
3,500 AF  
 Amount Requested  
400 – 1,000 gpm per well  
 Projected Rate of Recharge

\_\_\_\_\_  
 Date Approved  
 \_\_\_\_\_  
 Amount Approved  
7 Months (Oct-Apr)  
 Projected Duration of Recharge

**SOURCE OF SUPPLY**

Water From:

- State Water Project
- Colorado River
- Local Supplemental
- Recycled Water
- Other (explain)

Source: **WFA Water Treatment Plant**

**METHOD OF RECHARGE**

- Percolation

Basin Name: **Chino Basin (MZ1)**

Location: **4 locations along Benson Avenue between Arrow Highway and Holt Boulevard**

Well Number: **1S8W26BO1 (Well 1); 1S8W14AO3 (Well 4); 1SO8W23A004S (Well 30); and Well 32 (TBD)**

- Injection

Location (attach map): **See map**

Facility Name: **MVWD Well Nos. 30, 32, 4, and 1**

- Exchange

Share of Safe Yield: **4823.75 AF**

Carry Over Right: **4823.75 AF**

Water in Storage: **5995.718 AF, as of June 2005**

Pumping Capacity (cfs): **4.45 cfs**

Values are expressed as total capacities for MVWD and are not specific to these wellhead facilities

**WATER QUALITY AND WATER LEVELS**

What is the existing water quality and what are the existing water levels in the areas that are likely to be affected?

**Static water levels range from 365' to 480' below ground level. Nitrate water quality data for these wells range from 50-75 mg/l.**

**MATERIAL PHYSICAL INJURY**

Is the Applicant aware of any potential Material Physical Injury to a party to the Judgment or the Basin that may be caused by the action covered by the application? Yes  No



If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a party to the Judgment or the Basin?

**None required. Water injected will be utilized to offset a portion of the District's annual over-production within the Chino Groundwater Basin.**

**ADDITIONAL INFORMATION ATTACHED**

Yes       No

**Monte Vista Water District Groundwater Recharge Facility Feasibility Study – Findings of Consistency, May 2003**

\_\_\_\_\_  
Applicant

**TO BE COMPLETED BY WATERMASTER:**

DATE OF APPROVAL FROM NON-AGRICULTURAL POOL: \_\_\_\_\_

DATE OF APPROVAL FROM AGRICULTURAL POOL: \_\_\_\_\_

DATE OF APPROVAL FROM APPROPRIATIVE POOL: \_\_\_\_\_

HEARING DATE, IF ANY: \_\_\_\_\_

DATE OF ADVISORY COMMITTEE APPROVAL: \_\_\_\_\_

DATE OF BOARD APPROVAL: \_\_\_\_\_ Agreement #: \_\_\_\_\_

Monte Vista Water District

Groundwater Recharge Facility Feasibility Study

May 2003

*Findings of  
Consistency*



2920 Inland Empire Boulevard, Suite 108  
Ontario, California 91764-4802  
tel: 909 945-3000  
fax: 909 945-1333

May 15, 2003

Mr. Mark Kinsey, General Manager  
Monte Vista Water District  
10575 Central Avenue  
Montclair, California, 91763

Subject: Groundwater Recharge Facility Feasibility Study  
Findings of Consistency

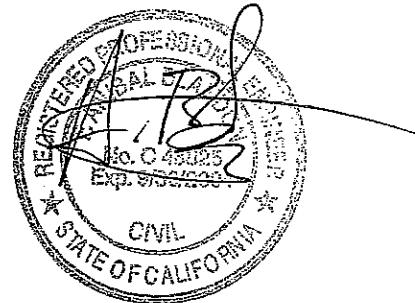
Dear Mr. Kinsey

Camp Dresser & Mc Kee Inc. (CDM) is very pleased to submit this report detailing the findings of consistency for the above referenced study with the OBMP Programatic Environmental Impact Report. We have included a description of the groundwater modeling aspects of the project under Appendix A and the water levels and water quality impacts of the different alternatives on local wells as Appendix B.

CDM appreciates the opportunity to continue assisting the District on water related projects. Should you have any questions or need further information, please contact us at 909-945-3000.

Very truly yours,

E. Anibal Blandon  
Senior Project Manager  
Camp Dresser & McKee Inc.



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<i>Appendix A</i>	Groundwater Modeling
<i>Appendix B</i>	Evaluation of Alternatives

# Section 1

## Findings of Consistency

### 1.1 Introduction

The Monte Vista Water District (MVWD or District) in association with the Chino Basin Watermaster (Watermaster) is proposing to implement a Groundwater Recharge Feasibility Project. The project consists of using a combination of up to four existing and new wells to inject high quality treated imported water into the westerly portion of the Chino groundwater basin. The purpose of this project is to store imported water in the basin during wet years and extract it during periods when imported water deliveries may be reduced. This project also intends to enhance water quality and water levels in the basin by injecting high quality water in high nitrate areas.

This project is a second-tier, or specific implementation project, of the Chino Basin Optimum Basin Management Program (OBMP). An overview of the OBMP is provided below in order to put the proposed Groundwater Recharge Feasibility Project into the context of the larger Basin program.

#### 1.1.1 Chino Basin Optimum Basin Management Program

The purpose of the OBMP is to ensure a continuing water supply for the long-term beneficial use of all IEUA constituents. The mission statement of the OBMP is as follows:

*The purpose of the Optimum Basin Management Program is to develop a groundwater management program that enhances the safe yield and the water quality of the basin, enabling all groundwater users to produce water from the Basin in a cost-effective manner.*

The OBMP consists of two phases. Phase I of the OBMP defined the state of the Chino Groundwater Basin, established goals concerning major issues identified by stakeholders, affirmed a management plan for the achievement of the established goals, and provided a process to facilitate periodic reviews, public comments, and necessary updates of the overall Program. Phase II of the OBMP consists of the development of the specific implementation plans that will effectively allow for the physical construction, operation, management, and monitoring of OBMP facilities.

The OBMP establishes four primary management goals and identifies a series of activities that would be necessary to accomplish the intended goals. The OBMP goals are as follows:

**Goal 1 - Enhance Basin Water Supplies**

**Goal 2 - Protect and Enhance Water Quality**

**Goal 3 - Enhance Management of the Basin**

**Goal 4 - Equitably Finance the OBMP**

The proposed Groundwater Recharge Feasibility Project meets the goals listed above through the following elements:

- Goal 1 - Enhance Basin Water Supply by
  - Storing imported water during wet years for subsequent use
  - Improving drought reliability
  - Minimizing dependence on MWD deliveries during the summer
  - Creating recharge facilities in the upper part of the basin and within Management Zone 1
- Goal 2 - Protect and Enhance Water Quality by
  - Injecting high quality water in areas of degraded water quality
  - Pumping groundwater from areas of degraded water quality
- Goal 3 - Enhance Management of the Basin by
  - Developing alternate recharge methods in Management Zone 1
  - Creating recharge facilities in the upper portion of the basin
  - Being consistent with conjunctive use policies and programs that take into account water quality and quantity
  - Injecting and pumping in areas of degraded water quality
- Goal 4 - Equitably Finance the OBMP by
  - Seeking funding from state/federal/MWDSC to fund projects that provide regional/statewide/Colorado River benefits to improve drought reliability

The proposed Groundwater Recharge Feasibility Project meets the goals listed above through the following OBMP Program Elements:

- Program Element 3 - Develop and Implement Water Supply Plan for the Impaired Areas of the Basin. The proposed project is consistent with this element by allowing injection of low nitrate water into high nitrate areas and recovering blended water for beneficial use.

- Program Element 4 - Develop and Implement Comprehensive Groundwater Management Plan for Management Zone 1. The proposed project is consistent with this element by recharging imported water into the upper portion of Management Zone 1 that would result in the enhancement of both water quality and quantity.
- Program Element 9 - Develop and Implement Groundwater Storage Management Program. The proposed project is consistent with this element by storing imported water in the basin during wet years and extracting it during summer months and/or dry years.

### 1.1.2 Compliance with the California Environmental Quality Act (CEQA)

In July 2000, the Inland Empire Utilities Agency (IEUA) Board of Directors approved and certified the OBMP Program Environmental Impact Report (Program EIR). A Program EIR is an EIR which is prepared on a series of actions that can be characterized as one large project and are related either: 1) geographically; 2) as logical parts in the chain of contemplated actions; 3) in connection with issuance of rules, regulations, plans or other general criteria to govern the conduct of a continuing program; or 4) as individual activities carried out under the same authorizing statutory or regulatory authority and having generally similar environmental effects which can be mitigated in similar ways as in CEQA Guidelines Section 15168(a). The Program EIR prepared for the OBMP is the primary information source and CEQA-compliant document for any subsequent discretionary actions or approvals by the IEUA, the Watermaster, and any constituent agencies, including MVWD, should they also decide to implement programs as CEQA Responsible or Lead Agencies under the OBMP.

The proposed Groundwater Recharge Feasibility Project is, therefore, considered a second-tier project under CEQA (Section 15152, State CEQA Guidelines). As a proposed program under the OBMP, the Groundwater Recharge Facilities Program has already been subject to a general environmental review. However, the physical impacts resulting from construction and operation of proposed facilities development at specific locations and under specific operating conditions must still be analyzed and described in subsequent environmental reviews. The intent of this addendum to the Program EIR and Findings of Consistency is to provide a written checklist, pursuant to CEQA Guidelines Section 15168(c)(4), to document the evaluation of the sites and the project to determine that the environmental effects of the operation are consistent with those that were previously evaluated and covered in the Program EIR.

## 1.2 Project Location

The Groundwater Recharge Feasibility Project would occur within Management Zone 1 of the Chino Groundwater Basin (Chino Basin or the Basin) as shown on the vicinity map in Figure 1-1. The Chino Basin consists of an alluvial valley that is relatively flat from east to west, sloping from north to south at a one to two percent grade. Basin

elevation ranges from about 500 feet near Prado Dam to about 2,000 feet in the foothills.

The principal drainage course for the Basin is the Santa Ana River, which flows 69 miles across the Santa Ana Watershed from its origin in the San Bernardino Mountains to the Pacific Ocean. The Santa Ana River enters the Basin at the Riverside Narrows and flows along the southern boundary to the Prado Flood Control Reservoir where it eventually discharges through the outlet at Prado Dam. Also within the Basin are a series of ephemeral and perennial streams including: Chino Creek, San Antonio Creek, Cucamonga Creek, Deer Creek, Day Creek, Etiwanda Creek, and San Sevaine Creek. These creeks, flowing primarily north to south, carry significant flows only during and for a short time after, intermittent storms occurring between October and April. Year-round flows occur along the Santa Ana River due to year-round surface inflows above Riverside Narrows, discharges from municipal water recycling plants that enter the Santa Ana River between the narrows and Prado Dam, and rising groundwater. Some rising groundwater occurs in Chino Creek, in the Santa Ana River at Prado Dam, and potentially at other locations on the Santa Ana River, depending on climate and season.

The Chino Basin is one of the largest groundwater basins in Southern California, containing a capacity of approximately 5,000,000 acre-feet for water storage, with an additional, unused storage capacity estimated at approximately 1,000,000 acre-feet (Findings of Consistency of the Chino Groundwater Basin Dry-Year Yield Program, December 2002). Cities and water supply entities produce groundwater for all or part of their municipal and industrial supplies from the Chino Basin. An additional 300 to 400 agricultural users also produce groundwater from the Basin.

While still considered to be a single basin, the Chino Groundwater Basin has been divided into five Management Zones based upon Basin geophysical characteristics, and into three different sub-basins based on the Santa Ana Regional Water Quality Control Plan (Basin Plan, 1995). Due to hydrologic characteristics of the basin, the water resource management activities that occur in each flow system have little to no impact on the other systems. These Management Zones are used to characterize the groundwater level, storage, production, and water quality conditions within the Chino Basin. These Management Zones, in addition to the hydrologic boundary of the Basin itself, are not intended to represent absolute barriers or isolated mechanisms, rather these divisions have been made based on observed flow characteristics and general patterns that can be assumed from existing groundwater flow data.

Water in Management Zone 1, the zone in which the proposed Groundwater Recharge Feasibility Project would be located, flows generally south with some localized flows to the west in response to groundwater production. Sources of water to Management Zone 1 include direct percolation of precipitation, returns from irrigation, recharge of storm flows and imported water in spreading basins, and subsurface inflow from the Pomona, Claremont Heights, and Cucamonga Basins.



Discharge is through groundwater production, and as rising groundwater in Chino Creek and the Santa Ana River.

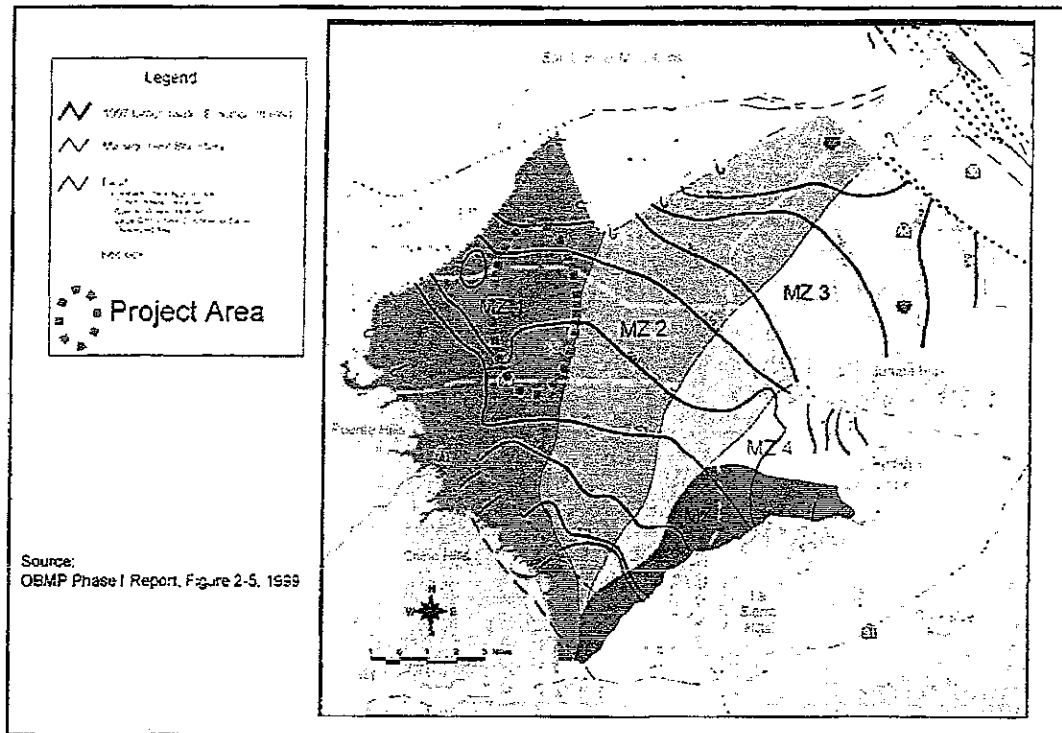


Figure 1-1  
Chino Groundwater Basin

Monte Vista Water District is located within San Bernardino County and services approximately 14,000 connections primarily in the communities of Montclair and Chino and the unincorporated areas in San Bernardino County lying in between the cities of Chino, Montclair and Ontario. In addition, the District provides wholesale water service to the City of Chino Hills. The retail and wholesale service area of the District is depicted in Figure 1-2.

The facilities for MVWD's Groundwater Recharge Feasibility Project would be located in the City of Montclair and the City of Ontario, at the western end of San Bernardino County in the Chino Groundwater Basin. The City of Montclair and the City of Ontario are both located approximately 35 miles east of downtown Los Angeles. The proposed project would involve drilling new wells and/or rehabilitating existing wells at four MVWD well sites. These locations are shown in Figure 1-3.

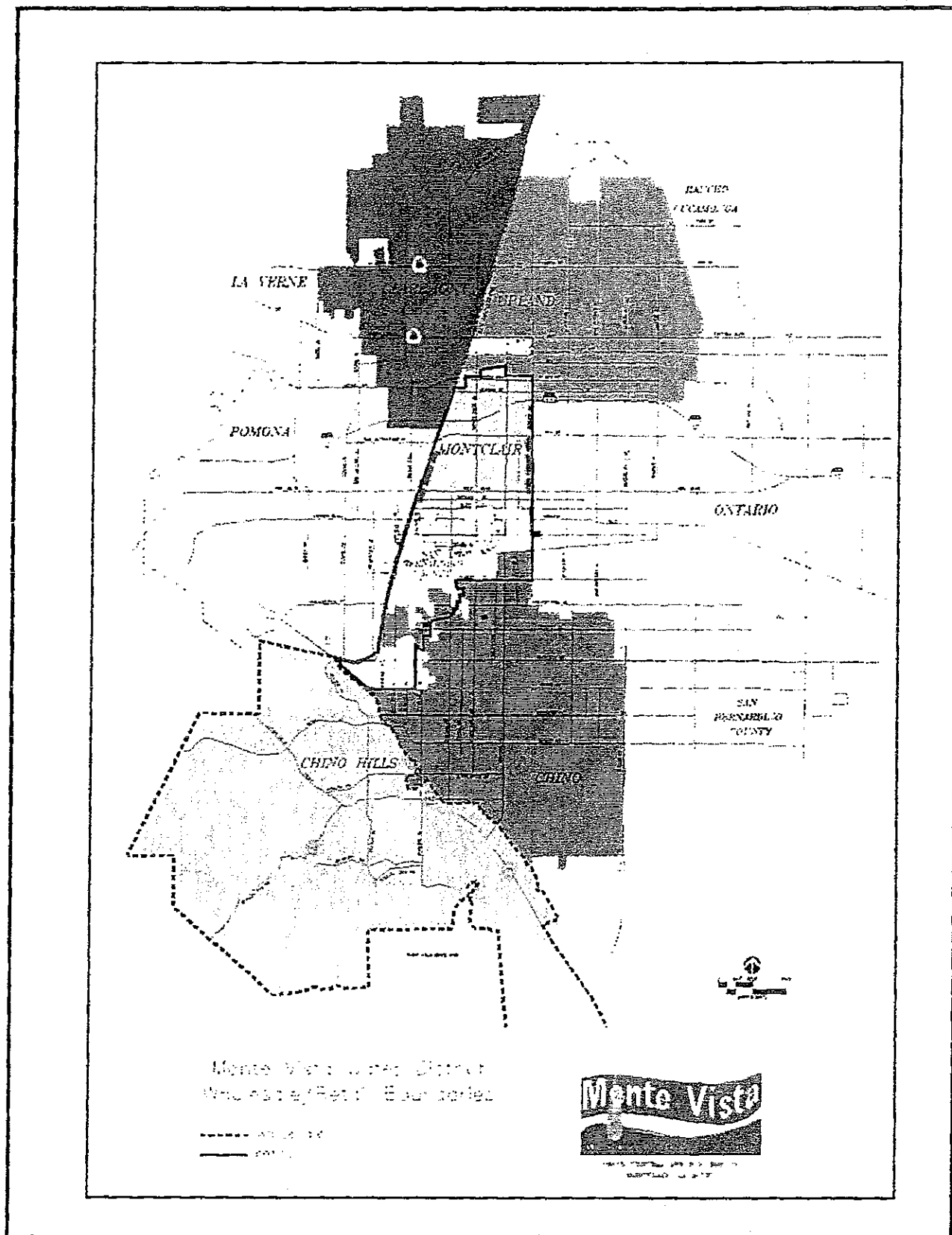


Figure 1-2  
Monte Vista Water District Service Area

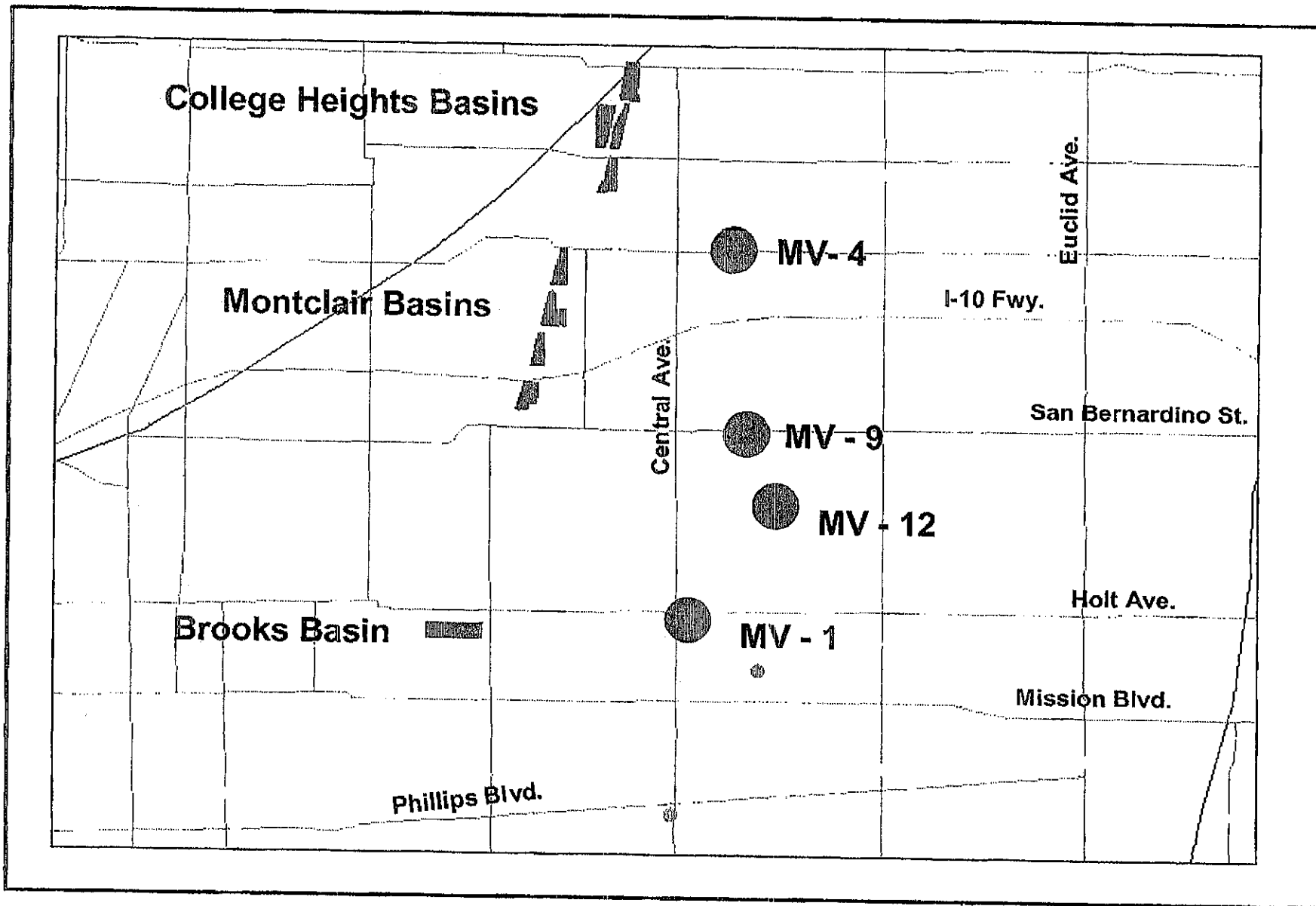


Figure 1-3  
Well Location Map

### 1.3 Project Objectives

The three primary objectives of MVWD's Groundwater Recharge Facilities Program include;

- Increasing recharge of imported water into Management Zone 1,
- Enhancing the cleanup of nitrates from this portion of the Chino Groundwater Basin;
- Increasing water supply reliability for the MVWD; and
- Supporting the Dry-Year Yield Program of the Metropolitan Water District and its local member agency IEUA.

### 1.4 Project Description

The project presents an implementation plan for the phased reactivation of MVWD Wells No. 1, 9, and 12 and the modification of MVWD Well No. 4 for groundwater injection and extraction purposes. It is anticipated that actual project implementation is likely to be phased over the coming five to ten year period depending on system demand, long-term ASR well performance and available funding sources. Full project implementation includes the drilling of two new wells and/or rehabilitate and modify four existing wells to be used for direct injection of treated imported water into the groundwater basin during non-summer months and during wetter years when excess State Water Project supply is available. These wells would also be used for subsequent extraction of groundwater during the summer months or during periods when the water deliveries from the State Water Project may not be sufficient to meet local MVWD demands.

Four different alternatives for spreading and/or injection of imported water in Management Zone 1 of the Chino Groundwater Basin have been considered for this project. Spreading and/or injecting of imported water in this Management Zone is consistent with the Optimum Basin Management Plan to maintain production and adequate water levels. Individual alternatives vary depending on whether the existing wells would be rehabilitated for injection/extraction or new wells would need to be drilled. Alternatives also vary depending on the time and length of the injection and extraction cycles. The Draft Groundwater Recharge Facilities Program Feasibility Study (April 2003) evaluated four different alternatives and assessed their short-term and long-term impact on groundwater levels and water quality in Management Zone 1. These alternatives are briefly described below. Annual estimations of groundwater recharge, injection, and extraction for each alternative are summarized in Table 1-1.

### 1.4.1 Alternative 1 - Maximum Spreading of Imported Water

This alternative consists of recharging the groundwater basin by spreading untreated imported water at selected spreading basins. This alternative represents the conditions by which the groundwater basin would have been recharged in the absence of any injection program. Under this alternative, MVWD would pump an estimate 18,986 ac-ft per year. MVWD Wells MV-1, MV-4, MV-9, and MV-12 would remain in their current conditions with Well MV-4 in operation for groundwater extraction and Wells MV-1, MV-9 and MV-12 not in use. It should be noted that this level of groundwater production by the District is significantly higher than the 9,319 ac-ft per year used in the OBMP for the year 2000 and would exceed the District's Initial Share of the Operating Safe Yield plus anticipated Agricultural Transfers. Replenishment obligations to be incurred by the District are estimated at 11,541 ac-ft per year.

To compensate for the increase in groundwater production (9,667 ac-ft per year) over the OBMP values, spreading of imported water for basin recharge was increased by the same amount bringing total recharge in Management Zone 1 to 26,250 ac-ft per year. Spreading of imported water would take place at the Montclair and College Heights spreading basins. This alternative would not require the construction of new spreading facilities in Management Zone 1. However, additional transmission facilities would be required to convey imported water to the Upland-College Heights spreading grounds. The assessment of the transmission facilities is not a part of this study.

### 1.4.2 Alternative 2 - Maximum Injection of Imported Water

This alternative considers a maximum injection rate of 4,500 ac-ft per year over a three year period for a total injection of 13,500 ac-ft. The three injection years would be followed by two years of extractions. To accomplish this level of injection, the following improvements would be necessary:

- Rehabilitate existing Well No. 1 by installing a liner casing and constructing the appropriate ASR injection and extraction facilities
- Modify existing Well No. 4 to become an ASR facility
- Construct two 1,000 ft deep replacement wells for wells 9 and 12

Production capacity for the new wells is anticipated at 2,000 gpm each. Injection rate for these wells was estimated at 60 percent of their production capacity or 1,200 gpm. Production capacity for the two existing wells was estimated at 800 gpm for Well No. 1 and 900 gpm for Well No. 4. Injection rates for these wells were assumed to be 50 percent of their production capacity.

During the injection mode, the two new wells would inject treated imported water from the WFA treatment plant on a continuous basis over a 36 month period. During this period, the other two wells (MV-1 and MV-4) would operate seasonally by

injecting during the winter months and extract during the summer. Annual groundwater production by the District during this period is estimated at 19,527 ac-ft. During the 24-month extraction cycle that follows, the four ASR wells would operate as production wells by pumping directly into the distribution system on a continuous basis over a 24 month period as part of a five year cycle. Groundwater production during this period is estimated at 22,762 ac-ft per year. Spreading of imported water to meet replenishment obligations is anticipated to average 25,362 ac-ft per year over the five year period.

### **1.4.3 Alternative 3 – Moderate Injection of Imported Water**

Similar to the Maximum Injection alternative, this alternative considers the construction of two new ASR wells (MV-9 and MV-12), the rehabilitation of MV-1 by installing a liner casing, and the refurbishment of MV-4 to become an ASR well. Under this alternative, MV-4, MV-9 and MV-12 would operate in the injection mode during the winter months reverting to the extraction mode during the summer. Well MV-1 would operate on the injection mode during the winter but it would be shut down during the summer. This mode of injection/extraction operation was maintained constant over the 20-year evaluation. In the model, a total of 3,272 ac-ft of treated imported water was injected on an annual basis over the study period.

This alternative is considered as moderate injection because the amount of injected water would be less than the maximum alternative during the injection years; however, the amount of water injected over a five year period would be higher. Under this alternative a five-year total of 16,260 ac-ft of treated imported water would be injected in the basin compared to 13,500 ac-ft for the maximum injection alternative. Spreading of imported water to meet replenishment obligations have been estimated at 25,119 ac-ft per year.

### **1.4.4 Alternative 4 – Minimum Injection of Imported Water**

This alternative considers an annual injection rate of 1,640 ac-ft per year. Similar to the moderate injection alternative, the ASR wells would operate on a seasonal basis. The facility improvements would be limited to modifying Well No. 4 to become an ASR facility and rehabilitating the three existing wells. Rehabilitation of these wells would consist of installing liner casings and constructing the appropriate ASR injection and extraction facilities. Production capacity for wells No. 9 and 12 after rehabilitation was assumed to be equal to the production of Well No. 4. Production from this well was increased to 900 gpm after it was rehabilitated in the late 1990's. Production capacity for Well No. 1 was maintained at 800 gpm while injection rates for all wells were considered at 50 percent of their capacity. Spreading of imported water to meet replenishment obligations in the basin have been estimated at 26,073 ac ft per year.

## 1.5 Groundwater Modeling Results

The impact of the four alternatives described above on the groundwater basin was assessed through the use of a groundwater model of the westerly portion of the basin.

Table 1-1  
Annual Recharge, Injection and Extraction Values (acre-feet)

	Management Zone 1 Spreading	Injection	MVWD Extraction
Alt. 1 – Maximum Spreading	25,362	0	19,527
Alt. 2 – Maximum Injection			
Injection Cycle	25,362	4,449	22,797
Extraction Cycle	25,119	0	21,152
Alt. 3 – Moderate Injection		3,272	
Alt. 4 – Minimum Injection	26,073	1,640	20,472

Source: Draft Groundwater Recharge Facilities Program Feasibility Study (March 2003)

The model used was a modified version of the OBMP model. The OBMP model was used to address water quantity issues as part of the programmatic EIR. The modifications made to this model consisted of a) reduction of the modeling area to represent the area of interest, b) modification of the model from a steady-state to a transient mode to allow evaluation of non-equilibrium conditions over time, c) addition of new MVWD wells, d) implementation of seasonal flow changes for MVWD facilities, and e) addition of solute transport capabilities to allow evaluation of nitrate-nitrogen (nitrate) concentrations in the aquifer.

The modified model was run for all alternatives and the result compared to the OBMP modeled conditions. Modeling results indicate that water levels would not significantly change or could slightly increase as a result of increased groundwater spreading and direct injection of imported water in Management Zone 1. Modeling results also indicate that different alternatives would have a positive impact on groundwater quality in this management zone in general and at the District and the City of Chino wells in particular. Appendix A provides a complete description of the modeling results from a water quality and water level perspective. In addition, a full description of the groundwater model used to evaluate the alternatives is presented.

## 1.6 Other Considerations

Modifications to the existing well sites would be required to convey treated imported water to the injection sites and to connect the wells to the distribution system. An underground pipeline conveying treated imported water would be brought to the well site to connect to the well. This pipeline would have a 20-25 feet above-grade section at the well head facility. Once constructed, each well is anticipated to require

maintenance activities on a daily basis, including recording water production, checking oil levels in the motors, checking chlorine residual in the water, checking for water leaks and/or signs of trespassing, etc.

Liquid sodium hypochlorite would be used for disinfection of the water produced at each well during the extraction mode. Sodium hypochlorite would be injected into the water to provide a chlorine residual (injection would take place at the well head facilities during the discharge phase as water is pumped from the ground into the distribution system). Sodium hypochlorite is considered a corrosive material and would be stored and housed in a fiberglass shed with secondary containment. Approximately 200 gallons of sodium hypochlorite would be stored at each of the four well sites.

## 1.7 Construction Activities and Schedule

The construction of new wells and/or the rehabilitation of existing wells would require the use of a well rig and additional supporting construction equipment including a backhoe, trucks for piping, mud tanks, pump rig, and an equipment trailer to store the contractors' supplies. Drilling of new wells would use the reverse circulation drilling method where the bore hole is drilled using water as the drilling fluid. Each well pilot hole would be drilled to an approximate depth of 1,000 feet below ground surface (bgs). The final depth of each well would be determined after the pilot hole is drilled and geophysical logs are completed. Construction would last approximately three months and is anticipated to begin late in 2003 or in 2004. However, it should be recognized that MVWD has no plans to immediately implement this program at this time; further, this document represents a guidance document for the phased implementation of the proposed facilities.

When constructed, all of the well sites would contain the following aboveground structures: a sodium hypochlorite feed system housing unit (approximately 10-feet by 10-feet), a motor control center pad (approximately 5-feet by 18-feet), a pump foundation and motor (6-feet by 6-feet), a transformer pad (4-feet by 4-feet), and aboveground piping and appurtenances. At-grade wellhead equipment would consist of a well pump, motor, electrical service, piping, valves, controls, instrumentation, and appurtenances. Well design and construction would meet the criteria and requirements of the following standards: California Water Well Standards, Department of Water Resources; and the California Department of Health Services.

## 1.8 Procedural Considerations

As previously stated, the Inland Empire Utilities Agency certified and adopted a Program Environmental Impact Report (Program EIR) for the Optimum Basin Management Program (OBMP) in July 2000. This Program EIR addressed this proposed project as part of a larger, integrated program of water resources management for the Chino Groundwater Basin (Basin). Among other elements, the Program EIR evaluated the impact of a 150,000 to 300,000 AF conjunctive water use



program in the Basin. The Program EIR evaluated the general use of the Basin for conjunctive use and the installation of support infrastructure as permitted activities under the OBMP and addressed impacts as part of its baseline and cumulative environmental evaluation. The Monte Vista Water District must determine whether the proposed project results in a new significant impact not evaluated in the Program EIR and must decide what CEQA environmental determination to make if it chooses to approve the proposed project.

A Program EIR is used when a project consists of a program that will entail a series of future actions or specific construction projects which can be characterized as a large project, such as a groundwater management plan over a large geographical area. A Program EIR describes the broad program objectives and facilities and evaluates the cumulative impact of implementing the total project over a period of time with all its elements. Under this programmatic concept, future individual actions are reviewed in the context of the Program EIR findings. These future individual actions may include specific well, pipeline, treatment and other infrastructure projects analyzed as part of a whole multifaceted program in the Program EIR. Where activities or facilities being implemented in the future fall within the scope of impacts identified for the Program EIR, (in this case, the OBMP Program EIR) later environmental studies can be minimized through elimination of specific environmental issues deemed to be insignificant during the earlier stage of environmental review or through finding that the environmental impact analysis in the Program EIR was sufficient to fully address program environmental impacts, including significant impacts.

The Program EIR provides a baseline and cumulative environmental evaluation and determination for the activities permitted under the OBMP, which includes desalters, wells, recharge basins, conjunctive use, pipelines, treatment and other infrastructure systems and groundwater monitoring. Later activities are then reviewed for consistency with the plan evaluated in the Program EIR which allows "tiering" of any future environmental review as provided in Sections 15152 and 15385 of the State CEQA Guidelines, if subsequent environmental review is required (Section 15162, CEQA Guidelines). Existing conditions used to make impact forecasts in this Written Checklist are assumed to be the same as those in the Program EIR, as the analysis presented in this Written Checklist will be completed within a little over three years of the certification of the Program EIR.

Based on the above, the Program EIR, as amended with the information and analysis presented herein as an Addendum, adequately addresses the potential impacts of the Groundwater Recharge Facilities Program.

Section 15162 of the CEQA Guidelines indicates that when an EIR has been certified for a project, no subsequent EIR shall be prepared for that project unless the lead agency determines one or more of the following:

- Substantial changes are proposed in the project which will require major revisions of the previous EIR due to new significant environmental effects or a substantial increase in the severity of previously identified significant effects;
- Substantial changes occur with respect to circumstances under which the project is undertaken which will require major revisions of the previous EIR due to new significant environmental effects or a substantial increase in the severity of previously identified significant effects; or
- New information of substantial importance, which was not known and could not have been known with the exercise of reasonable diligence at the time the previous EIR was certified as complete, shows any of the following:
  - The project will have one or more significant effects not discussed in the previous EIR;
  - Significant effects previously examined will be substantially more severe than shown in the previous EIR;
  - Mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponents decline to adopt the mitigation measure or alternative; or
  - Mitigation measures or alternatives which are considerably different from those analyzed in the previous EIR would substantially reduce one or more significant effects on the environment, but the project proponents decline to adopt the mitigation measure or alternative.

Based on the information and analysis presented herein, the Monte Vista Water District finds as follows:

- The proposed project would not result in new significant environmental effects or a substantial increase in the severity of previously identified significant effects requiring revisions to the previous EIR (see checklist answers and associated explanations above);
- The proposed project would not have circumstances that would result in new significant environmental effects and require revisions to the previous EIR; and
- Since the previous EIR, no new information has been identified that would result in:
  - One or more new significant effects (see items 1 and 2 directly above);
  - Increase the severity of a previous significant effect (see item 2 directly above and item II.(a) in Checklist); or

- Find new feasible mitigation measures or alternatives that the project proponents decline to adopt; or
- Find new mitigation measures or alternatives different than those in the previous EIR that would reduce significant effects that the project proponents decline to adopt (see above).

# Section 2

## Written Checklist

### **Purpose of the written checklist:**

This written checklist evaluates Monte Vista Water District's (MVWD) proposed Groundwater Recharge Facilities Program as part of the Chino Basin Optimum Basin Management Program (OBMP), which was previously evaluated in the Inland Empire Utilities Agency's OBMP Program Environmental Impact Report (SCHMV-2000041047). The proposed project would involve implementation of one of the five alternatives, as described in Section 1, Project/Program Description. The general premise and scope of the Groundwater Recharge Facilities Program for MVWD is accounted for and addressed within the OBMP Final Program Environmental Impact Report (Program EIR). The following written checklist provides a review of the proposed Groundwater Recharge Facilities Program to determine whether there are any environmental impacts that have not been previously contemplated and addressed in the OBMP Final Program EIR, pursuant to CEQA Guidelines Section 15168(c)(4).

### **Project title:**

Addendum to the Optimum Basin Management Program EIR for the Monte Vista Water District Groundwater Recharge Facilities Program

### **Lead agency name and address:**

Monte Vista Water District  
10575 Central Avenue  
Montclair, CA 91763

### **Contact person and phone number:**

Mr. Mark N. Kinsey, General Manager  
Monte Vista Water District  
10575 Central Avenue,  
P.O. Box 71  
Montclair, CA 91763  
(909) 624-3812

### **Project location:**

The proposed project, would be within Monte Vista Water District's (MVWD) boundaries, lies within the greater Chino Groundwater Basin, as depicted in Figure 1, Chino Groundwater Basin, and Figure 2, Monte Vista Water District Service Area. Implementation of Alternatives 2, 3 or 4, as previously described, would involve improvements at three existing well sites in the City of Montclair and one well site within the City of Ontario. Alternatives 1 and 2 would maintain status quo conditions at each of the well locations described below, and depicted in Figure 1-3, Well Locations Map.

- Well MV-1 is located at 10575 Central Avenue in the City of Montclair. Most of the property at this address is used by Monte Vista Water District for its headquarters offices, and the well is located in an enclosed building in the southeastern portion of the property.
- Well MV-4 is located at 5501 Arrow Highway in the City of Montclair. This property is located on the south side of Arrow Highway in the middle of the block bound by Benson Avenue on the east and Vernon Avenue on the west. Also located on this property is MVWD Well MV-27.
- Well MV-9 is located at 5617 San Bernardino Street in the City of Montclair. This property is located on the south side of San Bernardino Street in the middle of the block bound by Benson Avenue on the east and Vernon Avenue on the west. Adjacent to the well on the west is Vernon Middle School, and to the east is Buena Vista Elementary School.
- Well MV-12 is located at the northeast corner of Benson Avenue and G Street in the City of Ontario. The well is situated in the northeastern portion of this MVWD property.

**Project sponsor's name and address:**

Monte Vista Water District  
10575 Central Avenue  
Montclair, CA 91763

**General plan designation:**

- General plan designations for each of the well locations is provided below:
  - Well MV-1: Limited Manufacturing
  - Well MV-4: MIP – Manufacturing Industrial Park
  - Well MV-9: Residential
  - Well MV-12: Non-Recreational Open Space

**Zoning:**

- Zoning designations for each of the well locations is provided below:
  - Well MV-1: M-1, Manufacturing
  - Well MV-4: MIP – Manufacturing Industrial Park
  - Well MV-9: Single-Family Residential
  - Well MV-12: Open Space

**Description of the project:**

Monte Vista Water District (MVWD) proposes to drill two new and/or rehabilitate existing wells at four existing well sites for groundwater injection and extraction purposes. Four alternatives are under consideration by MVWD and are described in detail under Program Description. For three of these alternatives, Alternatives 2, 3, and 4, new drilling and construction activities would be required and/or MVWD facilities would require rehabilitation. For Alternative 1, no new construction and/or rehabilitation would be required.

**Surrounding land uses and environmental setting:**

Three of four well locations for the proposed project are located within the city limits of the City of Montclair and the fourth well is located within the City of Ontario. The well sites are surrounded by land uses associated with urbanized areas. These are described below:

- Well MV-1 is on property owned and operated by Monte Vista Water District. The well itself is located in the southeastern portion of the site, is approximately 16-20 inches in diameter and currently extends approximately 500 feet below ground. The existing condition of this well is such that using the well for groundwater extraction or injection of imported water is not possible. The well has not been in use for several years, and the casing prohibits successful extraction of water. Above ground, surrounding the well is a building currently used for furniture and supply storage. The rest of the MVWD property is used for offices and water storage tanks associated with MVWD operations. Land uses surrounding the MVWD property at 10575 Central Avenue include the following:
  - North of the property are manufacturing, warehouse and industrial land uses;
  - South of the property are storage facilities and a Union Pacific/Metrolink railroad line;
  - East of the property are manufacturing, warehouse and industrial land uses; and
  - West of the property is Central Avenue, a divided four-lane main arterial street.

Well MV-4 is located on property owned and operated by Monte Vista Water District. The well itself is located in the eastern portion of the property, is currently operational for extracting groundwater, and would need to be re-equipped as part of the proposed project. The well would be adapted to not only extract groundwater, but would also be able to be used for groundwater injection. Also located on this property is Monte Vista Water District's Well MV-27 and a water storage tank. Adjacent to Well MV-4 is vacant land approved for the construction of an Industrial Park. The applicant has received approval for the project and is in the final plan check phase with the City of Montclair Planning Department. Land uses surrounding the MVWD property at 5501 Arrow Highway include the following:

- North of the property is Arrow Highway, a four-lane main arterial street, and commercial land uses;
- South of the property is vacant land and a mobile home park;
- East of the property is vacant land and industrial uses; and
- West of the property are industrial and commercial land uses.

Well MV-9 is located on property owned and operated by MVWD. The well itself is located in the western portion of the site, closest to Vernon Middle School, is approximately 16-20 inches in diameter and currently extends 500 feet below ground. The existing condition of this well is such that using the well for groundwater extraction or injection of imported water is not possible. The well has not been in use for several years, and the casing prohibits successful extraction of water. Above ground, surrounding the well is a small building currently used for storage, piles of debris, and old casing extracted from Well MV-1, Well MV-9 and Well MV-12. Land uses surrounding the MVWD property at 5617 San Bernardino Street include the following:

- North of the property is San Bernardino Street, a secondary street, and single family residential units;
- South of the property are playfields for Buena Vista Elementary School and Vernon Middle School, as well as residences;
- East of the property is Buena Vista Elementary School, Benson Avenue, a main arterial street, and single-family residences; and
- West of the property is Vernon Middle School, Vernon Avenue, and single-family residences.

Well MV-12 is located on property owned and operated by MVWD. The well itself is located in the eastern portion of the site, is approximately 16-20 inches in diameter, and currently extends 500 feet below ground. The existing condition of this well is such that using the well for groundwater extraction or injecting imported water is not possible. The well has not been in use for several years, and the casing prohibits successful extraction of water. Above ground, surrounding the well is vacant, unimproved land, electrical power lines, and one mature tree. Land uses surrounding the MVWD property at the northeast corner of Benson Avenue and G Street include the following:

- North of the property is vacant land and single-family residences;
- South of the property is G Street, a collector street, and single-family residences;

- East of the property is vacant land and Bellevue Memorial Park, a cemetery; and
- West of the property is Benson Avenue, a collector street, and single-family residences.

The general impacts to aesthetics and visual resources of the overall Chino Basin groundwater management program, of which the proposed project is a part, are discussed in Section 4.15 on pages 4-437 through 4-444 of the OBMP Program EIR, and is included here.

### Impacts Associated with the Groundwater Recharge Feasibility Project

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>I. AESTHETICS -- Would the project:</b>				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a-b) **No Impact:** For Alternatives 2, 3 and 4, proposed well improvements associated with the Groundwater Recharge Facilities Program would occur below ground level. Existing above-ground facilities at each of the MVWD properties includes electrical connections, well heads, and perimeter walls/fencing. Where required, facilities would be improved. Therefore, visual conditions at each of the four well locations would not change, and no impacts to scenic vistas or scenic resources would occur.

c) **Less Than Significant Impact:** For Alternatives 2, 3 and 4, proposed well improvements would occur below ground level. Existing above-ground facilities on the MVWD properties currently include electrical connections, well heads, and perimeter walls/fencing. Where required, facilities would be improved and updated. Currently, landscaping and perimeter fencing is included at the operational Well MV-4 site. Such landscaping and fencing



around the perimeter of each of the other well sites may be included in the project. Therefore, the visual character of the well locations may change but would not be compromised.

- d) **No Impact:** For each of the build alternatives (Alternatives 2, 3 and 4), no lighting would be associated with the proposed injection and extraction wells. Therefore, no new light or glare impacts would occur from the proposed project.

The general impacts to agricultural resources of the overall Chino Basin groundwater management program, of which the proposed project is a part, are discussed in Section 4.2, on pages 4-3 through 4-26 of the OBMP Program EIR, and is included here.

**Impacts Associated with the Groundwater Recharge Feasibility Project**

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant impact	No Impact
<b>II. AGRICULTURAL RESOURCES:</b> In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- a-c) **No Impact:** For each of the three build alternatives, the four proposed injection and extraction well sites are located on land currently owned and developed by MVWD uses. No farming activities occur at, or immediately adjacent to, the properties; therefore, no prime or unique farmland or farmland

of statewide importance would be directly or indirectly converted as a result of the proposed program.

The general impacts to air quality resources of the overall Chino Basin groundwater management program, of which the proposed project is a part, are discussed in Section 4.6, on pages 4-270 through 4-295 of the OBMP Program EIR, which are included here.

**Impacts Associated with the Groundwater Recharge Feasibility Project**

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
<p>III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</p>				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) **No Impact:** According to planners with both the City of Montclair and the City of Ontario, the project would not conflict with any adopted air quality plans. The proposed project would not conflict with adopted air quality plan. Construction impacts from the project would be limited and short-term. Drilling and re-equipping wells would generate limited amounts of emissions. Primary emissions sources during construction would result from construction equipment used during drilling and re-equipping activities. Operations activities for the injection and extraction wells would not generate air emissions or affect air movement, moisture, temperature or climate.

- b-c) **Less Than Significant Impact:** The proposed Groundwater Recharge Facilities Program would be located within the South Coast Air Quality Management District, a non-attainment area for ozone (O<sub>3</sub>), carbon monoxide (CO), nitrogen dioxide (NO<sub>2</sub>), and particulates (PM<sub>10</sub>). Construction activities for the proposed well drilling and rehabilitation for Alternatives 2, 3 and 4 may generate emissions related to fugitive dust and construction equipment. These emissions would be short-term, limited, and would not directly result in any air quality standard violations or contribute substantially to existing or projected violations in the program area.
- d) **Less Than Significant Impact:** Construction activities, including well drilling and rehabilitation would occur within close proximity to sensitive receptors. Well MV-9 is located between Buena Vista Elementary School and Vernon Middle School, and across the street from single-family residences. Well MV-12 is also located across the street from single-family residences. However, due to the limited nature of anticipated air emissions during construction activities at Well MV-9 and Well MV-12, sensitive receptors would not be exposed to substantial pollutant concentrations. Well MV-1 and Well MV-4 are not located near sensitive receptors.
- e) **Less Than Significant Impact:** Construction equipment used during well drilling and re-equipping activities would generate diesel odors within the immediate project area. However, these odors would be short-term, occur within the immediate construction area only, and would only be associated with diesel equipment use. Odors would be expected to dissipate before reaching surrounding sensitive receptors and surrounding land uses and would cease upon completion of project construction.

The general impacts to biological resources of the overall Chino Basin groundwater management program, of which the proposed project is a part, are discussed in Section 4.8, on pages 4-308 through 4-336 of the OBMP Program EIR which are included here.

**Impacts Associated with the Groundwater Recharge Feasibility Project**

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>IV. BIOLOGICAL RESOURCES -- Would the project:</b>				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>