CHINO BASIN WATERMASTER

NOTICE OF MEETINGS

Thursday, September 11, 2008

10:00 a.m. – Joint Appropriative and Non-Agricultural Pool Meeting

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

Tuesday, September 16, 2008

9:00 a.m. – 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

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10:00 a.m. – Joint Appropriative & Non-Ag Pool Meeting

Tuesday, September 16, 2008

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AGENDA PACKAGE

CHINO BASIN WATERMASTER
JOINT APPROPRIATIVE & NON-AGRICULTURAL POOL MEETING

10:00 a.m. – September 11, 2008
At The Offices Of
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

AGENDA

CALL TO ORDER

AGENDA - ADDITIONS/REORDER

I. 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 & Non-Agricultural Pool Meeting held July 10, 2008 *(Page 1)*

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of July 2008 *(Page 9)*
2. Watermaster Visa Check Detail *(Page 13)*
3. Combining Schedule for the Period July 1, 2007 through June 30, 2008 *(Page 15)*
4. Treasurer's Report of Financial Affairs for the Period June 1, 2008 through June 30, 2008 *(Page 17)*
5. Budget vs. Actual July 2007 through June 2008 *(Page 19)*
6. Cash Disbursements for the month of August 2008 *(Page 21)*
7. Watermaster Visa Check Detail *(Page 25)*
8. Combining Schedule for the Period July 1, 2008 through July 31, 2008 *(Page 27)*
9. Treasurer's Report of Financial Affairs for the Period July 1, 2008 through July 31, 2008 *(Page 29)*
10. Budget vs. Actual July 2007 through July 2008 *(Page 31)*

C. INTERVENTION

1. Consider Approval for Intervention into the Overlying (Non-Agricultural Pool) – City of Ontario (as an Overlying Non-Agricultural Party) *(Page 33)*

D. WATER TRANSACTION

1. **Consider Approval for Notice of Sale or Transfer** – Fontana Water Company ("Company") has agreed to purchase from The Nicholson Trust annual production right in the amount of 8.185 acre-feet. Date of Application: May 16, 2008 *(Page 37)*
2. **Consider Approval for Notice of Sale or Transfer** – Cucamonga Valley Water District is purchasing 2,500 acre-feet of water from Marygold Mutual Water Company. Date of Application: September 4, 2008 *(Page 49)*
3. **Consider Approval for Notice of Sale or Transfer** – The City of Ontario (as an Overlying Non-Agricultural Party) is purchasing from Sunkist Growers, Inc. all of the amount of Sunkist's water in storage as of June 30, 2008. In addition, Sunkist's annual safe yield production rights in the amount of 1,851.402 acre-feet will be permanently transferred to the City of Ontario (as an Overlying Non-Agricultural Party).
   Date of Application: August 19, 2008 *(Page 61)*

II. BUSINESS ITEMS

A. SEMI-ANNUAL STATUS REPORT
Consider Approval for the Semi-Annual Status Report *(Page 83)*

B. BUDGET AMENDMENT
Consider Approval for the Proposed Budget Amendment Request for $151,594.00 *(Page 93)*

C. INLAND EMPIRE UTILITIES AGENCY DRY YEAR YIELD REPORT BY IEUA STAFF
Discussion and Possible Action *(Page 97)*

D. SALE OF OVERLYING NON-AGRICULTURAL POOL STORED WATER
Discussion and Possible Action (documents to be sent out under separate cover)

III. REPORTS/UPDATES

A. WATERMASTER GENERAL LEGAL COUNSEL REPORT
1. Santa Ana River Water Right Final Decision
2. LRP Funding Agreement *(Page 103)*
3. Report on the Issue of Governance
4. Status of Judge Selection
5. MOU of Water Accounting Procedures in Chino Basin *(Page 131)*

B. ENGINEERING REPORT
1. Oral Progress Report on Engineering Activities, July – August 2008

C. CEO/STAFF REPORT
1. Legislative Update
2. Recharge Update
3. MWD Groundwater Conjunctive Use Study
4. Report on Anticipated Board Closed Session Items
5. Strategic Planning Conference Update

IV. INFORMATION
1. Chino Basin Recycled Water Groundwater Recharge Program Quarterly Monitoring Report for April Through June 2008 *(Page 141)*
2. Newspaper Articles *(Page 173)*

V. POOL MEMBER COMMENTS

VI. OTHER BUSINESS

VII. FUTURE MEETINGS

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September 25, 2008	8:00 a.m.	IEUA Dry Year Yield Meeting @ CBWM
September 25, 2008	9:00 a.m.	Advisory Committee Meeting
September 25, 2008	11:00 a.m.	Watermaster Board Meeting
September 28-30, 2008		Strategic Planning Conference, Lake Arrowhead Resort

Meeting Adjourn

CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING
9:00 a.m. – September 16, 2008
At The Offices Of
Inland Empire Utilities Agency
6075 Kimball Ave., Bldg. A, Board Room
Chino, CA 91710

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September 28-30, 2008		Strategic Planning Conference, Lake Arrowhead Resort

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Joint Appropriative and Non-Agricultural Pool Meeting – July 10, 2008

Draft Minutes

CHINO BASIN WATERMASTER

JOINT APPROPRIATIVE & NON-AGRICULTURAL POOL MEETING

July 10, 2008

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 July 10, 2008 at 10:00 a.m.

APPROPRIATIVE POOL MEMBERS PRESENT

Robert DeLoach, Chair	Cucamonga Valley Water District
Robert Tock, Vice-Chair	Jurupa Community Services District
Mohamad El-Amamy	City of Ontario
Raul Garibay	City of Pomona
Anthony La	City of Upland
Mark Kinsey	Monte Vista Water District
Mike McGraw	Fontana Water Company
Dave Crosley	City of Chino
J. Arnold Rodriguez	Santa Ana River Water Company

NON-AGRICULTURAL POOL MEMBERS PRESENT

Kevin Sage	Vulcan Materials Company (Calmat Division)

Watermaster Staff Present

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

Watermaster Consultants Present

Michael Fife	Brownstein, Hyatt, Farber & Schreck
Tom McCarthy	Wildermuth Environmental Inc.

Others Present

Eunice Ulloa	Chino Basin Water Conservation District
Sandra Rose	Monte Vista Water District
David DeJesus	Three Valleys Municipal Water District

Vice-Chair Tock called the Joint Appropriative and Non-Agricultural Pool Meeting to order at 10:00 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 & Non-Agricultural Pool Meeting held June 12, 2008

B. FINANCIAL REPORTS

1. Cash Disbursements for the month of June 2008
2. Watermaster Visa Check Detail
3. Combining Schedule for the Period July 1, 2007 through May 31, 2008

4. Treasurer's Report of Financial Affairs for the Period May 1, 2008 through May 31, 2008
5. Budget vs. Actual July 2007 through May 2008

C. INTERVENTION

1. Consider Approval for Intervention into the Agricultural Pool – Michael Y. Park

Motion by El Amamy, second by La, and by unanimous vote – Non-Ag concurred
Moved to approve Consent Calendar Items A through C, as presented

II. BUSINESS ITEMS

A. O&M AGREEMENT

Mr. Manning stated this O&M Agreement Amendment item was on the agenda last month, however, was pulled by the request of the Chino Basin Water Conservation District in order to give them more time to review the documents. The provisions in this amendment are related to Watermaster and Inland Empire Utilities Agency. Section 8.1(a) of the Peace II Agreement modified the terms to allow for Watermaster to be reimbursed for costs by IEUA for costs related to recycled water on a pro rata basis. Watermaster staff has reviewed the amended agreement and are recommending adoption. IEUA and the Conservation District have also reviewed the amendment and they are in agreement with it. A discussion regarding costs ensued.

Motion by El Amamy, second by Kinsey, and by unanimous vote – Non-Ag concurred
Moved to approve the adoption of the first amendment to Attachment 2 to the agreement for operation and maintenance of facilities to implement the Chino Basin Recharge Master Plan to conform with the agreement to the Peace II agreement section 8.1(a), as presented

B. APPROPRIATIVE POOL COMMITTEE FORMATION

Mr. Manning stated at the Advisory Committee and Watermaster Board meetings in June there was a discussion on the Residual Agricultural Pumping Analysis that was done by both the Watermaster staff and Wildermuth Environmental Inc. At the Advisory Committee, the members suggested the formation of a sub-committee made up of Appropriators to do some analysis and possibly come back with a potential action and the Watermaster Board agreed. Mr. Manning stated the decision of who makes up the sub-committee is up to this committee. A discussion regarding this matter ensued. It was noted the committee members would be comprised of Jurupa Community Services District, the City of Ontario, the City of Pomona, the City of Upland, the City of Chino, and Monte Vista Water District. Mr. Manning stated Watermaster staff will work with the six agencies to schedule a meeting in the near future and a public notice will be sent out once the meeting date and time are set.

No motion was made on this item.

III. REPORTS/UPDATES

A. WATERMASTER GENERAL LEGAL COUNSEL REPORT

1. August 21 Hearing

Counsel Fife stated Watermaster did make its filing on July 1, 2008 regarding the satisfaction of condition subsequent 5 and Watermaster's compliance with condition subsequent 6 and the parties were served that filing. There was an additional filing by Cucamonga Valley Water District which was a notice of motion and motion to discontinue the appointment of the special referee and a copy is available. Nothing new has been brought forth for the August 21, 2008 hearing, so it appears everything is on schedule for that to take place.

2. SWRCB Permit
Counsel Fife stated a copy of the draft order from the State Water Resource Control Board is in the meeting packet starting on page 41. The order looks good and it does state our project has no impacts and that minimal conditions will be imposed on it. Counsel Fife commented on the only possible issue which is with the water rights treatment called out in the order. Counsel Fife read a portion of the order and noted a conference call took place regarding this matter. Counsel Fife noted Watermaster is going to have a permit from the SWRCB to divert 68,000 acre-feet of storm water and was given 50 years to go to license.

C. CEO/STAFF REPORT

1. Legislative Update
Mr. Manning stated today is the 10th day of the State operating without a budget. Not only has the State not adopted a budget at this point, the legislature has not even met to consider a budget.

2. Recharge Update
Ms. Maurizio stated the updated recharge spreadsheet is on the back table and does note some slight capture of storm water last month. The total for the year for storm water is a little over 10,000 acre-feet and recycled water is approximately 2,300 acre-feet.

3. August Meetings
Mr. Manning stated the Watermaster Board members asked that Watermaster look at the possibility of going dark in the month of August. Staff has reviewed the calendars and schedule demands and it appears August Pool meetings will be held off until September.

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

July 10, 2008	10:00 a.m.	Joint Appropriative & Non-Agricultural Pool Meeting
July 15, 2008	9:00 a.m.	Agricultural Pool Meeting @ IEUA
July 24, 2008	8:00 a.m.	IEUA Dry Year Yield Meeting @ CBWM
July 24, 2007	9:00 a.m.	Advisory Committee Meeting
July 24, 2007	11:00 a.m.	Watermaster Board Meeting

The Joint Appropriative and Non-Agricultural Pool meeting was dismissed by Vice-Chair Tock at 10:30 a.m.

Secretary: _____

Minutes Approved: _____

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CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

A. MINUTES

1. Agricultural Pool Meeting – July 15, 2008

Draft Minutes
CHINO BASIN WATERMASTER
AGRICULTURAL POOL MEETING
July 15, 2008

The Agricultural Pool Meeting was held at the offices of the Inland Empire Utilities Agency, 6075 Kimball Avenue, Chino, CA, on July 15, 2008 at 9:00 a.m.

Agricultural Pool Members Present

Bob Feenstra, Chair	Dairy
Gene Koopman	Milk Producers Counsel
Jeff Pierson	Crops
Nathan deBoom	Dairy
Glen Durrington	Crops
Pete Hettinga	Dairy
John Huitsing	Dairy
Jennifer Novak	State of California Department of Justice for CIM
Nathan Mackamul	State of California/CIW
Pete Hall	State of California/CIM

Watermaster Board Members Present

Paul Hofer	Crops

Watermaster Staff Present

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

Watermaster Consultants Present

Michael Fife	Brownstein, Hyatt, Farber & Schreck
Mark Wildermuth	Wildermuth Environmental Inc.

Others Present

Steven Lee	Reid & Hellyer
Frank Brommenschenkel	Frank B. & Associates
Rich Atwater	Inland Empire Utilities Agency

Chair Feenstra called the Agricultural Pool meeting to order at 9:07 a.m.

AGENDA - ADDITIONS/REORDER
No additions or reorders were made to the agenda.

I. CONSENT CALENDAR

A. MINUTES

1. Minutes of the Agricultural Pool Meeting held June 17, 2008

B. FINANCIAL REPORTS

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C. **INTERVENTION**

1. Consider Approval for Intervention into the Agricultural Pool – Michael Y. Park

Motion by Pierson, second by Durrington, and by unanimous vote
Moved to approve Consent Calendar Items A through C, as presented

II. **BUSINESS ITEMS**

A. **O&M AGREEMENT**

Mr. Manning stated this O&M Agreement Amendment item was on the agenda last month, however, was pulled by the request of the Chino Basin Water Conservation District in order to give them more time to review the documents. The provisions in this amendment are related to Watermaster and Inland Empire Utilities Agency. Section 8.1(a) of the Peace II Agreement modified the terms to allow for Watermaster to be reimbursed for costs by IEUA for costs related to recycled water on a pro rata basis. Watermaster staff has reviewed the amended agreement and is recommending adoption. IEUA and the Conservation District have also reviewed the amendment and they are in agreement with it. Mr. Manning noted the Appropriative and Non-Agricultural Pool approved this item at their recent meeting. A discussion regarding this matter ensued.

Motion by Koopman, second by Pierson, and by unanimous vote
Moved to approve the adoption of the first amendment to Attachment 2 to the agreement for operation and maintenance of facilities to implement the Chino Basin Recharge Master Plan to conform with the agreement to the Peace II agreement section 8.1(a), as presented

III. **REPORTS/UPDATES**

A. **WATERMASTER GENERAL LEGAL COUNSEL REPORT**

1. August 21 Hearing

Counsel Fife stated Watermaster did make its filing on July 1, 2008 regarding the satisfaction of condition subsequent 5 and Watermaster's compliance with condition subsequent 6 and the parties were served that filing. There was an additional filing by Cucamonga Valley Water District regarding the Cucamonga Valley Water District's Notice of Motion to Discontinue the Appointment of the Special Referee and a copy is available. Nothing new has been brought forth for the August 21, 2008 hearing, so it appears everything is on schedule for that to take place.

A lengthy discussion ensued with regard to the Special Referee and it was noted more detailed information needs to be brought back to this Pool regarding her role and scope of duties. A discussion regarding the status of Judge Gunn and Judge Gunn's appointment of the Special Referee ensued. It was noted Mr. Lee will draft a proposed motion and then will circulate it for comment.

Motion by Novak, second by Koopman, and by unanimous vote
Moved to have Watermaster counsel advice the court that the Agricultural Pool would support a further definition of scope of duties for Special Referee, as presented

Added Item: Recycled Water

Chair Feenstra introduced the added recycled water item, noting it is regarding an issue with California Institute for Men and College Park. Mr. Love commented on the issues that took place regarding the incident Chair Feenstra is inquiring about. A discussion regarding this matter ensued.

2. SWRCB Permit
Counsel Fife stated a copy of the draft order from the State Water Resource Control Board is in the meeting packet starting on page 41. The order looks favorable and it does state our project has no impacts and that minimal conditions will be imposed on it. Counsel Fife commented on the only possible issue which is with the water rights treatment called out in the order. Counsel Fife read a portion of the order and noted a conference call took place regarding this matter. Counsel Fife noted Watermaster is going to have a permit from the SWRCB to divert 68,000 acre-feet of storm water and was given 50 years to go to license.

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2. Recharge Update
Mr. Manning stated the updated recharge spreadsheet is on the back table and does note some slight capture of storm water last month. The total for the year for storm water is a little over 10,000 acre-feet and recycled water is approximately 2,300 acre-feet.

3. August Meetings
Mr. Manning stated the Watermaster Board members asked that Watermaster look at the possibility of going dark in the month of August. Staff has reviewed the calendars and schedule demands and it appears August Pool meetings will be held off until September.

Added Item: Sunkist Report

Mr. Manning stated the Agricultural Pool members inquired about the Sunkist property and asked that an update be given at this meeting. Ms. Maurizio stated an inquiry was previously made by this committee regarding water being pumped from the Cucamonga Channel at the Sunkist property but after investigation it did not appear the pumping came from the Sunkist property. Ms. Maurizio stated at the Sunkist property there were wells and they are metered beginning in 1996. Those wells were shown to go inactive in 2003 according to Watermaster records. There was an assignment for those wells between Sunkist and the City but that assignment is not well-specific. There was never a land use conversion submitted for the southern agricultural Sunkist property and it is in conversion area one and it is convertible. Mr. Koopman offered comment regarding the choice Sunkist made in 1978 to become a member of the Agricultural Pool. A discussion regarding conversion ensued.

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.

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July 24, 2007	11:00 a.m.	Watermaster Board Meeting

The Agricultural Pool meeting was dismissed by Chair Feenstra at 10:30 a.m.

Secretary: _____

Minutes Approved: _____

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

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2. Watermaster Visa Check Detail
3. Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2007 through June 30, 2008
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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: **September 10, 2008**
September 16, 2008
September 25, 2008

TO: **Committee Members**
Watermaster Board Members

SUBJECT: **Cash Disbursement Report**

SUMMARY

Issue – Record of cash disbursements for the month of July 2008.

Recommendation – Staff recommends the Cash Disbursements for July 2008 be received and filed as presented.

Fiscal Impact – Funds disbursed were included in the FY 2008-09 Watermaster Budget.

BACKGROUND
A monthly cash disbursement report is provided to keep all members apprised of Watermaster expenditures.

DISCUSSION
Total cash disbursements during the month of July 2008 were $458,613.57. The most significant expenditures during the month were the Wildermuth Environmental Inc. in the amount of $107,554.58, Fontana Water Company in the amount of $95,619.02, and Brownstein, Hyatt, Farber & Schreck in the amount of $45,388.32.

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CHINO BASIN WATERMASTER
Cash Disbursement Detail Report
July 2008

Type	Date	Num	Name	Amount
Jul 08				
Bill Pmt -Check	7/1/2008	12451	VERIZON	-329.06
Bill Pmt -Check	7/1/2008	12452	LIATTI & ASSOCIATES	-15,498.00
Bill Pmt -Check	7/1/2008	12453	MATHIS & ASSOCIATES	-7,400.00
Bill Pmt -Check	7/1/2008	12454	MATHIS & ASSOCIATES	-9,550.00
Bill Pmt -Check	7/1/2008	12455	WILDERMUTH ENVIRONMENTAL INC	-107,554.58
Bill Pmt -Check	7/1/2008	12456	CREATIVE BENEFITS, INC.	-9,400.00
Bill Pmt -Check	7/1/2008	12457	CITISTREET	-2,595.66
Bill Pmt -Check	7/1/2008	12458	CITISTREET	-2,595.66
General Journal	7/12/2008	08/07/03	PAYROLL	-7,580.92
General Journal	7/12/2008	08/07/03	PAYROLL	-24,612.16
Check	7/17/2008	12459	SANTA ANA RIVER WATER COMPANY	-8,331.69
Check	7/17/2008	12460	MONTE VISTA IRRIGATION COMPANY	-16,898.44
Check	7/17/2008	12461	FONTANA WATER COMPANY	-95,619.02
Check	7/17/2008	12462	MOBILE COMMUNITY MGMT	-3,320.61
Bill Pmt -Check	7/17/2008	12463	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	-4,963.41
Bill Pmt -Check	7/17/2008	12464	W.C. DISCOUNT MOBILE AUTO DETAILING	-75.00
Bill Pmt -Check	7/17/2008	12465	A & R TIRE	-227.38
Bill Pmt -Check	7/17/2008	12466	BANC OF AMERICA LEASING	-3,186.17
Bill Pmt -Check	7/17/2008	12467	BANK OF AMERICA	-1,340.86
Bill Pmt -Check	7/17/2008	12468	BOWCOCK, ROBERT	-125.00
Bill Pmt -Check	7/17/2008	12469	BOWMAN, JIM	-125.00
Bill Pmt -Check	7/17/2008	12470	BROWNSTEIN HYATT FARBER SCHRECK	-45,388.32
Bill Pmt -Check	7/17/2008	12471	CAROLLO ENGINEERS	-3,180.00
Bill Pmt -Check	7/17/2008	12472	COMPUTER NETWORK	-199.34
Bill Pmt -Check	7/17/2008	12473	DAN VASILE	-105.00
Bill Pmt -Check	7/17/2008	12474	DE BOOM, NATHAN	-375.00
Bill Pmt -Check	7/17/2008	12475	DURRINGTON, GLEN	-375.00
Bill Pmt -Check	7/17/2008	12476	FEENSTRA, BOB	-500.00
Bill Pmt -Check	7/17/2008	12477	FIRST AMERICAN REAL ESTATE SOLUTIONS	-125.00
Bill Pmt -Check	7/17/2008	12478	HETTINGA, PETER	-250.00
Bill Pmt -Check	7/17/2008	12479	HUITSING, JOHN	-375.00
Bill Pmt -Check	7/17/2008	12480	IDEAL GRAPHICS	-591.55
Bill Pmt -Check	7/17/2008	12481	KONICA MINOLTA BUSINESS SOLUTIONS	-373.52
Bill Pmt -Check	7/17/2008	12482	KOOPMAN, GENE	-250.00
Bill Pmt -Check	7/17/2008	12483	KUHN, BOB	-125.00
Bill Pmt -Check	7/17/2008	12484	MATHIS & ASSOCIATES	-1,450.00
Bill Pmt -Check	7/17/2008	12485	MCI	-1,169.95
Bill Pmt -Check	7/17/2008	12486	NIGRO NIGRO & WHITE, PC	-4,616.25
Bill Pmt -Check	7/17/2008	12487	OFFICE DEPOT	-846.07
Bill Pmt -Check	7/17/2008	12488	PIERSON, JEFFREY	-1,125.00
Bill Pmt -Check	7/17/2008	12489	PREMIERE GLOBAL SERVICES	-109.46
Bill Pmt -Check	7/17/2008	12490	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	-5,611.91
Bill Pmt -Check	7/17/2008	12491	PUMP CHECK	-7,457.00
Bill Pmt -Check	7/17/2008	12492	PURCHASE POWER	-22.08
Bill Pmt -Check	7/17/2008	12493	REID & HELLYER	-7,423.80
Bill Pmt -Check	7/17/2008	12494	RICOH BUSINESS SYSTEMS-Lease	-933.39
Bill Pmt -Check	7/17/2008	12495	SAFEGUARD DENTAL & VISION	-13.85
Bill Pmt -Check	7/17/2008	12496	SAFETY CLEAN JANITORIAL SERVICES	-590.00
Bill Pmt -Check	7/17/2008	12497	STAULA, MARY L	-136.61
Bill Pmt -Check	7/17/2008	12498	TELECOM SERVICES	-105.00
Bill Pmt -Check	7/17/2008	12499	TLC STAFFING	-296.00
Bill Pmt -Check	7/17/2008	12500	UNION 76	-200.79
Bill Pmt -Check	7/17/2008	12501	UNITED PARCEL SERVICE	-557.12
Bill Pmt -Check	7/17/2008	12502	VANDEN HEUVEL, GEOFFREY	-250.00
Bill Pmt -Check	7/17/2008	12503	VERIZON	-51.38
Bill Pmt -Check	7/17/2008	12504	VERIZON WIRELESS	-685.99
Bill Pmt -Check	7/17/2008	12505	W.C. DISCOUNT MOBILE AUTO DETAILING	-225.00
Bill Pmt -Check	7/17/2008	12506	WEST VALLEY ELECTRIC	-404.27
Bill Pmt -Check	7/17/2008	12507	WESTERN DENTAL SERVICES, INC.	-36.50
Bill Pmt -Check	7/17/2008	12508	YUKON DISPOSAL SERVICE	-142.88
General Journal	7/26/2008	08/07/05	PAYROLL	-9,066.41
General Journal	7/26/2008	08/07/05	PAYROLL	-27,328.41
Bill Pmt -Check	7/29/2008	12524	ACWA SERVICES CORPORATION	-176.26
Bill Pmt -Check	7/29/2008	12525	CITY OF RANCHO CUCAMONGA	-25.00
Bill Pmt -Check	7/29/2008	12526	DIRECTV	-76.98
Bill Pmt -Check	7/29/2008	12527	FRED PRYOR SEMINARS	-780.00
Bill Pmt -Check	7/29/2008	12528	INLAND EMPIRE UTILITIES AGENCY	-127.31
Bill Pmt -Check	7/29/2008	12529	MWH LABORATORIES	-156.00

CHINO BASIN WATERMASTER
Cash Disbursement Detail Report
July 2008

Type	Date	Num	Name	Amount
Bill Pmt -Check	7/29/2008	12530	OFFICE CHAIRS.COM	-349.00
Bill Pmt -Check	7/29/2008	12531	PITNEY BOWES CREDIT CORPORATION	-468.72
Bill Pmt -Check	7/29/2008	12532	PRE-PAID LEGAL SERVICES, INC.	-103.60
Bill Pmt -Check	7/29/2008	12533	TLC STAFFING	-488.00
Bill Pmt -Check	7/29/2008	12534	VISION SERVICE PLAN	-16.05
Bill Pmt -Check	7/29/2008	12509	APPLIED COMPUTER TECHNOLOGIES	-3,976.95
Bill Pmt -Check	7/29/2008	12510	ARROWHEAD MOUNTAIN SPRING WATER	-58.30
Bill Pmt -Check	7/29/2008	12511	BOWCOCK, ROBERT	-250.00
Bill Pmt -Check	7/29/2008	12512	BOWMAN, JIM	-250.00
Bill Pmt -Check	7/29/2008	12513	CALPERS	-2,735.55
Bill Pmt -Check	7/29/2008	12514	COMPUTER NETWORK	-482.10
Bill Pmt -Check	7/29/2008	12515	DICK LARSEN - TREASURER/TAX COLLECTOR	-1,341.07
Bill Pmt -Check	7/29/2008	12516	FEENSTRA, BOB	-250.00
Bill Pmt -Check	7/29/2008	12517	KONICA MINOLTA BUSINESS SOLUTIONS	-185.09
Bill Pmt -Check	7/29/2008	12518	R&D PEST SERVICES	-85.00
Bill Pmt -Check	7/29/2008	12519	STANDARD INSURANCE CO.	-555.01
Bill Pmt -Check	7/29/2008	12520	THE STANDARD INSURANCE COMPANY	-156.56
Bill Pmt -Check	7/29/2008	12521	TLC STAFFING	-480.00
Bill Pmt -Check	7/29/2008	12522	VERIZON	-51.67
Bill Pmt -Check	7/29/2008	12523	YUKON DISPOSAL SERVICE	-142.88
Jul 08				**-458,163.57**

CHINO BASIN WATERMASTER
Check Detail
July 2008

Type	Num	Date	Name	Account	Paid Amount
Bill Pmt -Check	**12467**	**7/17/2008**	**BANK OF AMER...**	**1012 · Bank of America Gen'l Ckg**	
Bill	4024...	6/30/2008		6141.3 · Admin Meetings	-89.05
				6031.7 · Other Office Supplies	-261.03
				6312 · Meeting Expenses	-155.60
				6212 · Meeting Expense	-155.59
				6112 · Subscriptions/Publications	-223.31
				6111 · Membership Dues	-73.00
				6192 · Training & Seminars	-26.45
				6909.1 · OBMP Meetings	-57.58
				6191 · Conferences	-299.25
TOTAL					-1,340.86

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CHINO BASIN WATERMASTER
COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN WORKING CAPITAL
FOR THE
PERIOD JULY 1, 2007 THROUGH JUNE 30, 2008

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION AND SPECIAL PROJECTS APPROPRIATIVE POOL	AGRICULTURAL POOL	NON-AGRIC. POOL	GROUNDWATER OPERATIONS GROUNDWATER REPLENISHMENT	SB222 FUNDS	EDUCATION FUNDS	GRAND TOTALS	BUDGET 2007-2008
Administrative Revenues										
Administrative Assessments			7,480,677		122,298				7,602,975	$7,540,370
Interest Revenue			161,051	20,700	4,370			63	186,184	181,500
Mutual Agency Project Revenue		237,370							237,370	145,500
Grant Income									-	0
Miscellaneous Income			35,013		41				35,054	0
Total Revenues	-	237,370	7,676,741	20,700	126,709	-	-	63	8,061,583	7,867,370
Administrative & Project Expenditures										
Watermaster Administration	509,800								509,800	627,797
Watermaster Board-Advisory Committee	54,884								54,884	60,645
Pool Administration			20,280	137,820	6,561				164,661	162,333
Optimum Basin Mgnt Administration		2,462,439							2,462,439	2,852,337
OBMP Project Costs		4,022,898							4,022,898	4,153,883
Education Funds Use								375	375	375
Mutual Agency Project Costs		10,000							10,000	10,000
Total Administrative/OBMP Expenses	564,684	6,495,337	20,280	137,820	6,561			375	7,225,057	7,867,370
Net Administrative/OBMP Income	(564,684)	(6,257,967)								
Allocate Net Admin Income To Pools	564,684		430,784	122,806	11,094				-	
Allocate Net OBMP Income To Pools		6,257,967	4,774,055	1,360,969	122,943				-	
Agricultural Expense Transfer			1,607,286	(1,607,286)					-	
Total Expenses			6,832,405	14,309	140,598	-	-	375	7,225,057	7,867,370
Net Administrative Income			844,336	6,391	(13,889)			(312)	836,526	-
Other Income/(Expense)										
Replenishment Water Assessments						3,402,393			3,402,393	0
MZ1 Supplemental Water Assessments									-	0
Water Purchases									-	0
Balance Adjustment			370,656		1,011	(371,667)			-	0
Groundwater Replenishment						(3,325,123)			(3,325,123)	0
Net Other Income			370,656	-	1,011	(294,397)	-	-	77,270	0
Net Transfers To/(From) Reserves			1,214,992	6,391	(12,878)	(294,397)	-	(312)	913,796	-
Working Capital, July 1, 2007			4,222,862	475,604	156,528	294,397	158,251	1,655	5,309,297	
Working Capital, End Of Period			5,437,854	481,995	143,650	-	158,251	1,343	6,223,093	
06/07 Assessable Production			130,826.204	37,295.410	3,369.080				171,490.694	
06/07 Production Percentages			76.288%	21.748%	1.965%				100.000%	

Q:\Financial Statements\07-08\06 08\[Budget v Actual.xls]Sheet1

Prepared by Sheri Rojo, Chief Financial Officer /Assistant General Manager

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CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JUNE 1 THROUGH JUNE 30, 2008

DEPOSITORIES:			
Cash on Hand - Petty Cash			$ 500
Bank of America			
Governmental Checking-Demand Deposits		$ 152,465	
Zero Balance Account - Payroll		-	152,465
Local Agency Investment Fund - Sacramento			5,993,631
TOTAL CASH IN BANKS AND ON HAND	6/30/2008		**$ 6,146,596**
TOTAL CASH IN BANKS AND ON HAND	5/31/2008		7,102,333
PERIOD INCREASE (DECREASE)			**$ (955,737)**

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets:	Accounts Receivable	$ (242,527)
	Assessments Receivable	79,461
	Prepaid Expenses, Deposits & Other Current Assets	13,524
(Decrease)/Increase in Liabilities	Accounts Payable	360,663
	Accrued Payroll, Payroll Taxes & Other Current Liabilities	33,290
	Transfer to/(from) Reserves	(1,200,148)
	PERIOD INCREASE (DECREASE)	**$ (955,737)**

SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash	Govt'l Checking Demand	Zero Balance Account Payroll	Local Agency Investment Funds	Totals
Balances as of 5/31/2008	$ 500	$ 458,202	$ -	$ 6,643,631	$ 7,102,333
Deposits	-	79,993	-	-	79,993
Transfers	-	589,049	60,951	(650,000)	-
Withdrawals/Checks	-	(974,779)	(60,951)	-	(1,035,730)
Balances as of 6/30/2008	$ 500	$ 152,465	$ -	$ 5,993,631	$ 6,146,596
	-	-	-	-	
PERIOD INCREASE OR (DECREASE)	**$ -**	**$ (305,737)**	**$ -**	**$ (650,000)**	**$ (955,737)**

CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JUNE 1 THROUGH JUNE 30, 2008

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
6/26/2008	Withdrawal	L.A.I.F.	$ 650,000				
TOTAL INVESTMENT TRANSACTIONS			**$ 650,000**	-			

* The earnings rate for L.A.I.F. is a daily variable rate; 3.11% was the effective yield rate at the Quarter ended June 30, 2008.

INVESTMENT STATUS
June 30, 2008

Financial Institution	Principal Amount	Number of Days	Interest Rate	Maturity Date
Local Agency Investment Fund	$ 5,993,631			
TOTAL INVESTMENTS	**$ 5,993,631**			

Funds on hand are sufficient to meet all foreseen and planned Administrative and project expenditures during the next six months.

All investment transactions have been executed in accordance with the criteria stated in Chino Basin Watermaster's Investment Policy.

Respectfully submitted,

Sheri M. Rojo, CPA
Chief Financial Officer & Assistant General Manager
Chino Basin Watermaster

CHINO BASIN WATERMASTER
Budget vs. Actual
July 2007 through June 2008

	Jul '07 - Jun 08	Budget	$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
4010 · Local Agency Subsidies	237,370	145,500	91,870	163.14%
4100 · Administrative Assessments				
4110 · Admin Asmnts-Approp Pool	7,480,676	7,423,878	56,798	100.77%
4120 · Admin Asmnts-Non-Agri Pool	122,298	116,492	5,806	104.98%
4700 · Non Operating Revenues	221,238	181,500	39,738	121.89%
Total Income	8,061,582	7,867,370	194,212	102.47%
Gross Profit	8,061,582	7,867,370	194,212	102.47%
Expense				
6010 · Salary Costs	486,402	477,247	9,155	101.92%
6020 · Office Building Expense	91,237	101,580	-10,343	89.82%
6030 · Office Supplies & Equip.	36,517	46,500	-9,983	78.53%
6040 · Postage & Printing Costs	89,126	83,000	6,126	107.38%
6050 · Information Services	139,480	132,000	7,480	105.67%
6060 · Contract Services	95,138	117,500	-22,362	80.97%
6080 · Insurance	15,414	18,210	-2,796	84.65%
6110 · Dues and Subscriptions	17,472	16,750	722	104.31%
6140 · WM Admin Expenses	2,576	4,650	-2,074	55.39%
6150 · Field Supplies	554	2,500	-1,946	22.16%
6170 · Travel & Transportation	18,443	25,000	-6,557	73.77%
6190 · Conferences & Seminars	24,172	22,500	1,672	107.43%
6200 · Advisory Comm - WM Board	17,065	18,931	-1,866	90.15%
6300 · Watermaster Board Expenses	37,819	41,714	-3,895	90.66%
8300 · Appr PI-WM & Pool Admin	20,280	24,001	-3,721	84.5%
8400 · Agri Pool-WM & Pool Admin	25,808	24,004	1,804	107.52%
8467 · Ag Legal & Technical Services	97,703	95,000	2,703	102.85%
8470 · Ag Meeting Attend -Special	14,309	12,000	2,309	119.24%
8500 · Non-Ag PI-WM & Pool Admin	6,561	7,328	-768	89.53%
6500 · Education Funds Use Expens	375	375	0	100.0%
9500 · Allocated G&A Expenditures	-506,732	-419,640	-87,092	120.75%
	729,720	851,150	-121,430	85.73%
6900 · Optimum Basin Mgmt Plan	2,285,083	2,711,138	-426,055	84.29%
6950 · Mutual Agency Projects	10,000	10,000	0	100.0%
9501 · G&A Expenses Allocated-OBMP	177,356	141,199	36,157	125.61%
	2,472,439	2,862,337	-389,898	86.38%
7101 · Production Monitoring	104,920	101,709	3,211	103.16%
7102 · In-line Meter Installation	24,844	17,791	7,053	139.65%
7103 · Grdwtr Quality Monitoring	98,466	117,104	-18,638	84.08%
7104 · Gdwtr Level Monitoring	189,377	182,667	6,710	103.67%

CHINO BASIN WATERMASTER
Budget vs. Actual
July 2007 through June 2008

	Jul '07 - Jun 08	Budget	$ Over Budget	% of Budget
7105 · Sur Wtr Qual Monitoring	13,527	15,553	-2,026	86.98%
7107 · Ground Level Monitoring	275,165	270,465	4,700	101.74%
7108 · Hydraulic Control Monitoring	193,337	199,232	-5,895	97.04%
7109 · Recharge & Well Monitoring Prog	33,157	102,827	-69,670	32.25%
7200 · PE2- Comp Recharge Pgm	918,727	945,827	-27,100	97.14%
7300 · PE3&5-Water Supply/Desalte	131,340	159,509	-28,169	82.34%
7400 · PE4- Mgmt Plan	147,404	159,674	-12,270	92.32%
7500 · PE6&7-CoopEfforts/SaltMgmt	111,259	138,533	-27,274	80.31%
7600 · PE8&9-StorageMgmt/Conj Use	90,116	82,660	7,456	109.02%
7690 · Recharge Improvement Debt Pymt	1,368,373	1,377,552	-9,179	99.33%
7700 · Inactive Well Protection Prgm	295	4,339	-4,044	6.8%
9502 · G&A Expenses Allocated-Projects	322,589	278,441	44,148	115.86%
	4,022,897	4,153,883	-130,986	96.85%
Total Expense	7,225,057	7,867,370	-642,313	91.84%
Net Ordinary Income	836,525	0	836,525	100.0%
Other Income/Expense				
Other Income				
4210 · Approp Pool-Replenishment	3,393,137			
4220 · Non-Ag Pool-Replenishment	9,256			
Total Other Income	3,402,393			
Other Expense				
5010 · Groundwater Replenishment	3,325,123			
9999 · To/(From) Reserves	913,796			
Total Other Expense	4,238,919			
Net Other Income	-836,525			
Net Income				

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: **September 10, 2008**
September 16, 2008
September 25, 2008

TO: **Committee Members**
Watermaster Board Members

SUBJECT: **Cash Disbursement Report**

SUMMARY

Issue – Record of cash disbursements for the month of August 2008.

Recommendation – Staff recommends the Cash Disbursements for August 2008 be received and filed as presented.

Fiscal Impact – Funds disbursed were included in the FY 2008-09 Watermaster Budget.

BACKGROUND
A monthly cash disbursement report is provided to keep all members apprised of Watermaster expenditures.

DISCUSSION
Total cash disbursements during the month of August 2008 were $1,019,447.60. The most significant expenditures during the month were the Wildermuth Environmental Inc. in the amount of $332,844.17, Santa Ana River Water Company in the amount of $258,000.00, Inland Empire Utilities Agency in the amount of $159,441.73, and Brownstein, Hyatt, Farber & Schreck in the amount of $74,893.07.

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CHINO BASIN WATERMASTER
Cash Disbursement Detail Report
August 2008

Type	Date	Num	Name	Amount
Aug 08				
Bill Pmt -Check	8/4/2008	12535	WILDERMUTH ENVIRONMENTAL INC	0.00
Bill Pmt -Check	8/4/2008	12536	WILDERMUTH ENVIRONMENTAL INC	-174,108.41
Bill Pmt -Check	8/6/2008	12537	APPLIED COMPUTER TECHNOLOGIES	-3,071.30
Bill Pmt -Check	8/6/2008	12538	AUTOMATED GATE SERVICES, INC.	-119.00
Bill Pmt -Check	8/6/2008	12539	BOWCOCK, ROBERT	-125.00
Bill Pmt -Check	8/6/2008	12540	BOWMAN, JIM	-125.00
Bill Pmt -Check	8/6/2008	12541	CALPERS	-800.00
Bill Pmt -Check	8/6/2008	12542	COMPUTER NETWORK	-392.21
Bill Pmt -Check	8/6/2008	12543	HSBC BUSINESS SOLUTIONS	-284.40
Bill Pmt -Check	8/6/2008	12544	INLAND EMPIRE UTILITIES AGENCY	-159,441.73
Bill Pmt -Check	8/6/2008	12545	JAMES JOHNSTON	-855.00
Bill Pmt -Check	8/6/2008	12546	KUHN, BOB	-250.00
Bill Pmt -Check	8/6/2008	12547	LIATTI & ASSOCIATES	-208.00
Bill Pmt -Check	8/6/2008	12548	OFFICE DEPOT	-1,096.77
Bill Pmt -Check	8/6/2008	12549	PARK PLACE COMPUTER SOLUTIONS, I...	-5,175.00
Bill Pmt -Check	8/6/2008	12550	PAYCHEX	-341.49
Bill Pmt -Check	8/6/2008	12551	PIERSON, JEFFREY	-125.00
Bill Pmt -Check	8/6/2008	12552	PRINTING RESOURCES	-639.65
Bill Pmt -Check	8/6/2008	12553	PURCHASE POWER	-35.14
Bill Pmt -Check	8/6/2008	12554	REID & HELLYER	-7,233.10
Bill Pmt -Check	8/6/2008	12555	SAFETY CLEAN JANITORIAL SERVICES	-712.95
Bill Pmt -Check	8/6/2008	12556	TLC STAFFING	-512.00
Bill Pmt -Check	8/6/2008	12557	UNITED PARCEL SERVICE	-364.26
Bill Pmt -Check	8/6/2008	12558	VANDEN HEUVEL, GEOFFREY	-125.00
Bill Pmt -Check	8/6/2008	12559	VERIZON	-374.29
Bill Pmt -Check	8/6/2008	12560	WILLIS, KENNETH	-250.00
Bill Pmt -Check	8/6/2008	12561	INLAND EMPIRE UTILITIES AGENCY	0.00
Bill Pmt -Check	8/7/2008	12562	SANTA ANA WATERSHED PROJECT AU...	-13,474.00
General Journal	8/9/2008	08/08/04	PAYROLL	-7,545.12
General Journal	8/9/2008	08/08/04	PAYROLL	-26,654.56
Bill Pmt -Check	8/11/2008	12564	COMPUTER NETWORK	-5,185.39
Bill Pmt -Check	8/11/2008	12565	CREATIVE BENEFITS, INC.	-1,651.20
Bill Pmt -Check	8/11/2008	12567	SANTA ANA RIVER WATER COMPANY	-258,000.00
Bill Pmt -Check	8/11/2008	12569	STATE COMPENSATION INSURANCE FU...	-683.94
Bill Pmt -Check	8/11/2008	12563	UNION 76	-74.69
Bill Pmt -Check	8/11/2008	12568	VANDEN HEUVEL, ROB	-500.00
Bill Pmt -Check	8/20/2008	12570	ACWA SERVICES CORPORATION	-181.48
Bill Pmt -Check	8/20/2008	12571	BANC OF AMERICA LEASING	-3,186.17
Bill Pmt -Check	8/20/2008	12572	BANK OF AMERICA	-2,000.60
Bill Pmt -Check	8/20/2008	12573	CITISTREET	-2,595.66
Bill Pmt -Check	8/20/2008	12574	COMPUTER NETWORK	-9,833.27
Bill Pmt -Check	8/20/2008	12575	PREMIERE GLOBAL SERVICES	-61.90
Bill Pmt -Check	8/20/2008	12576	PUBLIC EMPLOYEES' RETIREMENT SYS...	-5,540.29
Bill Pmt -Check	8/20/2008	12577	RICOH BUSINESS SYSTEMS-Lease	-224.12
Bill Pmt -Check	8/20/2008	12578	SAFEGUARD DENTAL & VISION	-63.85
Bill Pmt -Check	8/20/2008	12579	SPAM SOAP, INC	-201.60
Bill Pmt -Check	8/20/2008	12580	SPECIAL DISTRICT INSTITUTE	-735.00
Bill Pmt -Check	8/20/2008	12581	STAULA, MARY L	-136.61
Bill Pmt -Check	8/20/2008	12582	TLC STAFFING	-480.00
Bill Pmt -Check	8/20/2008	12583	VERIZON WIRELESS	-538.56
Bill Pmt -Check	8/20/2008	12584	W.C. DISCOUNT MOBILE AUTO DETAILI...	-75.00
Bill Pmt -Check	8/20/2008	12585	WESTERN DENTAL SERVICES, INC.	-26.50
Bill Pmt -Check	8/20/2008	12586	CITISTREET	-2,595.66
Bill Pmt -Check	8/20/2008	12587	PUBLIC EMPLOYEES' RETIREMENT SYS...	-5,903.50
Bill Pmt -Check	8/21/2008	12588	PEREZ, ALEXANDRA	-209.30
General Journal	8/23/2008	08/08/06	PAYROLL	-7,807.94
General Journal	8/23/2008	08/08/06	PAYROLL	-27,137.27
Bill Pmt -Check	8/25/2008	12589	BLACK & VEATCH CORPORATION	-8,577.50
Bill Pmt -Check	8/25/2008	12590	BROWNSTEIN HYATT FARBER SCHRECK	-74,893.07
Bill Pmt -Check	8/25/2008	12591	CALPERS	-3,906.43
Bill Pmt -Check	8/25/2008	12592	CAROLLO ENGINEERS	-5,355.00
Bill Pmt -Check	8/25/2008	12593	CITY OF RANCHO CUCAMONGA	-52.00
Bill Pmt -Check	8/25/2008	12594	COMPUTER NETWORK	-171.32
Bill Pmt -Check	8/25/2008	12595	CUCAMONGA VALLEY WATER DISTRICT	-5,495.00
Bill Pmt -Check	8/25/2008	12596	ELLISON, SCHNEIDER & HARRIS, LLP	-15,984.10
Bill Pmt -Check	8/25/2008	12597	FIRST AMERICAN REAL ESTATE SOLUTI...	-125.00
Bill Pmt -Check	8/25/2008	12598	LOS ANGELES TIMES	-46.40
Bill Pmt -Check	8/25/2008	12599	MCI	-1,169.95

CHINO BASIN WATERMASTER
Cash Disbursement Detail Report
August 2008

Type	Date	Num	Name	Amount
Bill Pmt -Check	8/25/2008	12600	OFFICE DEPOT	-150.57
Bill Pmt -Check	8/25/2008	12601	PAK, BEN	-1,087.26
Bill Pmt -Check	8/25/2008	12602	PETTY CASH	-428.78
Bill Pmt -Check	8/25/2008	12603	PRE-PAID LEGAL SERVICES, INC.	-103.60
Bill Pmt -Check	8/25/2008	12604	QUILL	-439.28
Bill Pmt -Check	8/25/2008	12605	RICOH BUSINESS SYSTEMS-Lease	-888.94
Bill Pmt -Check	8/25/2008	12606	THE STANDARD INSURANCE COMPANY	-156.56
Bill Pmt -Check	8/25/2008	12607	TLC STAFFING	-496.00
Bill Pmt -Check	8/25/2008	12608	WHEELER METER MAINTENANCE	-600.00
Bill Pmt -Check	8/28/2008	12609	WILDERMUTH ENVIRONMENTAL INC	-158,735.76
Bill Pmt -Check	8/28/2008	12610	BEST BUY	-517.20
Aug 08				-1,019,447.60

CHINO BASIN WATERMASTER
Check Detail
August 2008

Type	Num	Date	Name	Account	Paid Amount
Bill Pmt -Check	**12572**	**8/20/2008**	**BANK OF AMER...**	**1012 · Bank of America Gen'l Ckg**	
Bill	4024...	7/31/2008		6141.3 · Admin Meetings	-263.93
				6031.7 · Other Office Supplies	-1,198.89
				6312 · Meeting Expenses	-225.14
				6212 · Meeting Expense	-179.43
				7204 · Comp Recharge-Supplies	-32.33
				6909.1 · OBMP Meetings	-100.88
TOTAL					-2,000.60

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CHINO BASIN WATERMASTER
COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN WORKING CAPITAL
FOR THE
PERIOD JULY 1, 2008 THROUGH JULY 31, 2008

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION AND SPECIAL PROJECTS APPROPRIATIVE POOL	AGRICULTURAL POOL	NON-AGRIC. POOL	GROUNDWATER OPERATIONS GROUNDWATER REPLENISHMENT	SB222 FUNDS	EDUCATION FUNDS	GRAND TOTALS	BUDGET 2008-2009
Administrative Revenues										
Administrative Assessments									-	$7,841,054
Interest Revenue			1,798						1,798	174,368
Mutual Agency Project Revenue									-	148,410
Grant Income									-	0
Miscellaneous Income									-	0
Total Revenues	-	-	1,798	-	-	-	-	-	1,798	8,163,832
Administrative & Project Expenditures										
Watermaster Administration	67,487								67,487	619,960
Watermaster Board-Advisory Committee	4,689								4,689	61,201
Pool Administration			2,286	8,587	293				11,166	166,523
Optimum Basin Mgnt Administration		94,557							94,557	1,913,484
OBMP Project Costs		389,692							389,692	5,392,289
Education Funds Use									-	375
Mutual Agency Project Costs									-	10,000
Total Administrative/OBMP Expenses	72,176	484,249	2,286	8,587	293			-	567,591	8,163,832
Net Administrative/OBMP Income	(72,176)	(484,249)								
Allocate Net Admin Income To Pools	72,176		55,061	15,697	1,418				-	
Allocate Net OBMP Income To Pools		484,249	369,422	105,313	9,513				-	
Agricultural Expense Transfer			115,288	(115,288)					-	
Total Expenses			542,058	14,309	11,224	-	-	-	567,591	8,163,832
Net Administrative Income			(540,260)	(14,309)	(11,224)			-	(565,793)	-
Other Income/(Expense)										
Replenishment Water Assessments									-	0
MZ1 Supplemental Water Assessments									-	0
Water Purchases									-	0
Balance Adjustment									-	0
Groundwater Replenishment									-	0
Net Other Income			-	-	-	-	-	-	-	0
Net Transfers To/(From) Reserves			(540,260)	(14,309)	(11,224)	-	-	-	(565,793)	-

Q:\Financial Statements\08-09\07 08\[Combining July xls]Sheet1

Prepared by Sheri Rojo, Chief Financial Officer /Assistant General Manager

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CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JULY 1 THROUGH JULY 31, 2008

DEPOSITORIES:			
Cash on Hand - Petty Cash			$ 500
Bank of America			
Governmental Checking-Demand Deposits		$ 194,296	
Zero Balance Account - Payroll		-	194,296
Local Agency Investment Fund - Sacramento			5,540,455
TOTAL CASH IN BANKS AND ON HAND	7/31/2008		**$ 5,735,251**
TOTAL CASH IN BANKS AND ON HAND	6/30/2008		6,146,596
PERIOD INCREASE (DECREASE)			**$ (411,345)**

CHANGE IN CASH POSITION DUE TO:		
Decrease/(Increase) in Assets:	Accounts Receivable	$ 46,824
	Assessments Receivable	(125,967)
	Prepaid Expenses, Deposits & Other Current Assets	-
(Decrease)/Increase in Liabilities	Accounts Payable	238,916
	Accrued Payroll, Payroll Taxes & Other Current Liabilities	(5,324)
	Transfer to/(from) Reserves	(565,794)
	PERIOD INCREASE (DECREASE)	**$ (411,345)**

SUMMARY OF FINANCIAL TRANSACTIONS:	Petty Cash	Govt'l Checking Demand	Zero Balance Account Payroll	Local Agency Investment Funds	Totals
Balances as of 6/30/2008	$ 500	$ 152,465	$ -	$ 5,993,631	$ 6,146,596
Deposits	-	-	-	46,824	46,824
Transfers	-	431,407	68,593	(500,000)	-
Withdrawals/Checks	-	(389,576)	(68,593)	-	(458,169)
Balances as of 7/31/2008	$ 500	$ 194,296	$ -	$ 5,540,455	$ 5,735,251
	-	-	-	-	
PERIOD INCREASE OR (DECREASE)	**$ -**	**$ 41,831**	**$ -**	**$ (453,176)**	**$ (411,345)**

CHINO BASIN WATERMASTER
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD
JULY 1 THROUGH JULY 31, 2008

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
7/15/2008	Interest	L.A.I.F.	$ 46,824				
7/16/2008	Withdrawal	L.A.I.F.	$ (500,000)				
TOTAL INVESTMENT TRANSACTIONS			**$ (453,176)**	-			

* The earnings rate for L.A.I.F. is a daily variable rate; 3.11% was the effective yield rate at the Quarter ended June 30, 2008.

INVESTMENT STATUS
July 31, 2008

Financial Institution	Principal Amount	Number of Days	Interest Rate	Maturity Date
Local Agency Investment Fund	$ 5,540,455			
TOTAL INVESTMENTS	**$ 5,540,455**			

Funds on hand are sufficient to meet all foreseen and planned Administrative and project expenditures during the next six months.

All investment transactions have been executed in accordance with the criteria stated in Chino Basin Watermaster's Investment Policy.

Respectfully submitted,

Sheri M. Rojo, CPA
Chief Financial Officer & Assistant General Manager
Chino Basin Watermaster

CHINO BASIN WATERMASTER
Profit & Loss Budget vs. Actual
July 2008

	Jul 08	Budget	$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
4010 · Local Agency Subsidies	0	148,410	-148,410	0.0%
4110 · Admin Asmnts-Approp Pool	0	7,708,817	-7,708,817	0.0%
4120 · Admin Asmnts-Non-Agri Pool	0	132,237	-132,237	0.0%
4700 · Non Operating Revenues	1,798	174,368	-172,570	1.03%
Total Income	1,798	8,163,832	-8,162,034	0.02%
Gross Profit	1,798	8,163,832	-8,162,034	0.02%
Expense				
6010 · Salary Costs	53,417	484,302	-430,885	11.03%
6020 · Office Building Expense	2,772	102,000	-99,228	2.72%
6030 · Office Supplies & Equip.	3,269	46,500	-43,231	7.03%
6040 · Postage & Printing Costs	6,514	87,380	-80,866	7.46%
6050 · Information Services	6,170	144,000	-137,830	4.29%
6060 · Contract Services	5,175	98,000	-92,825	5.28%
6080 · Insurance	15,498	17,730	-2,232	87.41%
6110 · Dues and Subscriptions	0	16,750	-16,750	0.0%
6140 · WM Admin Expenses	264	4,000	-3,736	6.6%
6150 · Field Supplies	0	2,500	-2,500	0.0%
6170 · Travel & Transportation	2,887	39,200	-36,313	7.37%
6190 · Conferences & Seminars	1,902	26,500	-24,598	7.18%
6200 · Advisory Comm - WM Board	1,682	19,181	-17,499	8.77%
6300 · Watermaster Board Expenses	3,007	42,020	-39,013	7.16%
8300 · Appr PI-WM & Pool Admin	2,286	24,008	-21,722	9.52%
8400 · Agri Pool-WM & Pool Admin	1,354	24,820	-23,466	5.46%
8467 · Ag Legal & Technical Services	7,233	98,000	-90,767	7.38%
8470 · Ag Meeting Attend -Special	0	12,000	-12,000	0.0%
8500 · Non-Ag PI-WM & Pool Admin	293	7,695	-7,402	3.8%
6500 · Education Funds Use Expens	0	375	-375	0.0%
9500 · Allocated G&A Expenditures	-30,381	-448,902	418,521	6.77%
Subtotal G&A Expenditures	83,342	848,059	-764,717	9.83%
6900 · Optimum Basin Mgmt Plan	86,554	1,775,525	-1,688,971	4.88%
6950 · Mutual Agency Projects	0	10,000	-10,000	0.0%
9501 · G&A Expenses Allocated-OBMP	8,003	137,959	-129,956	5.8%
Subtotal OBMP Expenditures	94,557	1,923,484	-1,828,927	4.92%
7101 · Production Monitoring	14,150	107,515	-93,365	13.16%
7102 · In-line Meter Installation	1,293	87,931	-86,638	1.47%
7103 · Grdwtr Quality Monitoring	11,619	210,458	-198,839	5.52%
7104 · Gdwtr Level Monitoring	21,757	342,538	-320,781	6.35%
7105 · Sur Wtr Qual Monitoring	0	46,717	-46,717	0.0%

CHINO BASIN WATERMASTER
Profit & Loss Budget vs. Actual
July 2008

	Jul 08	Budget	$ Over Budget	% of Budget
7107 · Ground Level Monitoring	8,454	651,468	-643,014	1.3%
7108 · Hydraulic Control Monitoring	14,392	743,476	-729,084	1.94%
7200 · PE2- Comp Recharge Pgm	193,792	1,115,883	-922,091	17.37%
7300 · PE3&5-Water Supply/Desalte	14,631	148,477	-133,846	9.85%
7400 · PE4- Mgmt Plan	4,321	217,371	-213,050	1.99%
7500 · PE6&7-CoopEfforts/SaltMgmt	6,810	216,307	-209,497	3.15%
7600 · PE8&9-StorageMgmt/Conj Use	76,095	76,909	-814	98.94%
7690 · Recharge Improvement Debt Pymt	0	1,110,000	-1,110,000	0.0%
7700 · Inactive Well Protection Prgm	0	6,296	-6,296	0.0%
9502 · G&A Expenses Allocated-Projects	22,378	310,943	-288,565	7.2%
Subtotal Special Project Expenditures	389,692	5,392,289	-5,002,597	7.23%
Total Expense	567,591	8,163,832	-7,596,241	6.95%
Net Ordinary Income	-565,794		-565,794	100.0%
Other Income/Expense				
Other Expense				
9999 · To/(From) Reserves	-565,794			
Total Other Expense	-565,794			
Net Other Income	565,794			
Net Income				

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

C. INTERVENTION

1. Sunkist-Ontario Intervention

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: **September 11, 2008**
September 16, 2008
September 25, 2008

TO: **Committee Members**
Watermaster Board Members

SUBJECT: **City of Ontario request for Intervention as an Overlying (Non-Agricultural) Party**

SUMMARY

Issue – On August 19, 2008, Watermaster received a request for Intervention into the Overlying (Non-Agricultural) Pool from the City of Ontario. This Staff Report provides a summary and analysis of the proposed Intervention.

Recommendation - Staff recommends approval of the request for Intervention.

Fiscal Impact – No fiscal impact on the Watermaster Budget.

BACKGROUND

In 2006, Sunkist Growers, Inc. sold a portion (i.e., 15 acres) of its real property to Koll, and in 2008 permanently transferred 22.000 AFY of its adjudicated rights to Koll for use on the Koll Property. After the Koll transfer, Sunkist's remaining adjudicated right is 1,851.402 AFY. Sunkist is currently in escrow to sell the Sunkist plant property to the City of Ontario (11.1 acres consisting of parcel numbers 20108, 20207, 20206, and 104923221), with the exception of Sunkist's tank farm (parcel number 104922101), which will be retained by Sunkist.

DISCUSSION

According to the Judgment, a producer is assigned to the Overlying (Non-Agricultural) Pool if it is an overlying producer who produces water for industrial or commercial purposes. (Judgment para. 43(b).)

"Any party who changes the character of his use may, by subsequent order of the Court, be reassigned to the proper pool . . . . Any non-party producer or any person who may hereafter commence production of water from Chino Basin, and who may become a party to [the] physical solution by intervention, shall be assigned to the proper pool by the order of the Court authorizing such intervention." (Judgment para. 43.)

Interventions are governed by paragraph 60 of the Judgment: "Any non-party assignee of the adjudicated appropriative rights of any appropriator, or any other person newly proposing to produce water from the Chino Basin, may become a party to this Judgment upon filing a petition in intervention. Said intervention must be confirmed by order of [the] Court. Such intervenor shall thereafter be a party bound by [the] Judgment and entitled to the rights and privileges accorded under the Physical Solution . . . through the pool to which the Court shall assign such intervenor."

Paragraph 4.4 of the Peace II Agreement amplifies the Judgment: "The Parties acknowledge and agree that any Party to the Judgment shall have the right to purchase Non-Agricultural overlying property within the Basin and appurtenant water rights and to intervene in the Non-Agricultural Pool."

The City of Ontario has requested intervention into the Overlying (Non-Agricultural) Pool for the purpose of accepting the Transfer of Sunkist's water rights. The City of Ontario intends to be members of both the Appropriative and Overlying (Non-Agricultural) Pools, and will therefore hold separate Annual and Storage accounts with Watermaster within each Pool.

Watermaster's practice has been to accept interventions informally by way of a letter request and then process the request through the Pools, Advisory Committee and Board. After this internal approval process, the request for Intervention is filed with the Court for approval.

RECOMMENDATION

Watermaster staff finds that the proposed intervention is consistent with the Judgment. On this basis, Watermaster staff recommends the approval of the request for Intervention.

CITY OF ONTARIO

PUBLIC WORKS AND
COMMUNITY SERVICES AGENCY

August 19, 2008

Mr. Kenneth R. Manning, CEO
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, California 91730

Re: Request to Intervene in *Chino Basin Municipal Water District v. City of Chino, et at,* San Bernardino Superior Court Case No. RCV 51010 (Formerly Case No. 164327)

Dear Mr. Manning:

The City of Ontario (City) hereby submits this request to intervene in the above-referenced action (the "Judgment") as a member of the overlying non-agricultural pool. The City's request is based on the following facts:

A. The Judgment allocates water rights based on each party's land ownership. As an owner of real property overlying the Chino Groundwater Basin ("Basin"). Sunkist Growers, Inc. ("Sunkist") was provided under the Judgment with 1,873.40 AFY of adjudicated safe yield when the Judgment was first entered in 1978/1979. The real property held by Sunkist at that time included the real property described in the next paragraph.

B. Sunkist sold real property overlying the Basin to the City of Ontario, known as the Sunkist plant (11.1 acres consisting of parcels # 20108, 20207, 20206, and 104923221) with the exception of Sunkist's tank farm (parcel # 104922101), which will be retained by Sunkist.

1425 SOUTH BON VIEW AVENUE • ONTARIO, CALIFORNIA 91761-4406 • (909) 395-2605 • FAX: (909) 395-2601

C. As part of the sale transaction referenced in Section B above, Sunkist wishes to transfer all of its remaining adjudicated water rights (approximately 1,851.402 AFY), and all Sunkist water in storage (13,633.504 AF as of June 30, 2007, plust any additional Sunkist stored water for FY 2007-08) to the City of Ontario. Form 5 (Application to Transfer Annual Production Right or Safe Yield) and Form 3 (Application for Sale or Transfer of right to Produce Water from Storage) are attached.

D. The City of Ontario is requesting to intervene in the Judgment to become a member of the overlying Non-Agricultural Pool. A Motion to Intervene will be filed with the court if deemed necessary by the Watermaster.

E. The City's request to intervene is pursuant to Section 4.4 of the Peace II agreement which states: "Non-Agricultural Pool Intervention. The Parties acknowledge and agree that any Party to the Judgment shall have the right to purchase Non-Agricultural overlying property within the Basin and appurtenant water rights and to intervene in the Non-Agricultural Pool."

F. The City of Ontario will use the groundwater described under Section C above for uses authorized in the Judgment including providing water service to properties in Ontario, which have been sold or still are retained by Sunkist.

G. The transfer from Sunkist to the City of Ontario does not involve any additional groundwater extractions not provided for under the Judgment. As a result, the transfer will not result in any "material physical injury" to any party.

Based on the foregoing, the City of Ontario respectfully requests that the Watermaster approve its request to intervene in the Judgment to become a member of the overlying Non-Agricultural Pool and Sunkist's request to transfer its remaining adjudicated rights (approximately 1,851.402 AFY) of overlying groundwater rights, and all of Sunkist water in storage (13,633.504 AF as of June 30, 2007, plust any additional Sunkist stored water for FY 2007-08) to the City of Ontario. The City of Ontario shall comply with all provisions of the Judgment.

Please agendize the City's request for the September Pool meetings. If you have any questions regarding the foregoing, please contact me.

Respectfully submitted,

Mohamed El-Amamy
Utilities Director

CHINO BASIN WATERMASTER

I. CONSENT CALENDAR

D. WATER TRANSACTION

1. **Consider Approval for Notice of Sale or Transfer** – Fontana Water Company has agreed to purchase from The Nicholson Trust annual production right in the amount of 8.185 acre-feet

2. **Consider Approval for Notice of Sale or Transfer** – Cucamonga Valley Water District is purchasing 2,500 acre-feet of water from Marygold Mutual Water Company

3. **Consider Approval for Notice of Sale or Transfer** – The City of Ontario (as an Overlying Non-Agricultural Party) is purchasing- from Sunkist Growers, Inc. all of the amount of Sunkist's water in storage as of June 30, 2008. In addition, Sunkist's annual safe yield production rights in the amount of 1,851.402 acre-feet will be permanently transferred to the City of Ontario (as an Overlying Non-Agricultural Party).

CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

May 16, 2008

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **April 30, 2008** Date of this notice: **May 16, 2008**

Please take notice that the following Application has been received by Watermaster:

A. Notice of Sale or Transfer – Fontana Water Company ("Company") has agreed to purchase from The Nicholson Trust annual production right in the amount of 8.185 acre-feet.

This ***Application*** will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool:	June 12, 2008
Non-Agricultural Pool:	June 12, 2008
Agricultural Pool:	June 17, 2008

This ***Application*** will be scheduled for consideration by the Advisory Committee ***no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days*** after the last pool committee reviews it.

After consideration by the Advisory Committee, the ***Application*** will be considered by the Board.

Unless the ***Application*** *is* amended, parties to the Judgment may file ***Contests*** to the ***Application*** with Watermaster ***within seven calendar days*** of when the last pool committee considers it. Any ***Contest*** must be in writing and state the basis of the ***Contest***.

Watermaster address:

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

Tel: (909) 484-3888
Fax: (909) 484-3890

CHINO BASIN WATERMASTER

NOTICE
OF
TRANSFER OF WATER

Notification Dated: May 16, 2008

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is "no material physical injury" and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).

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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

DATE: **May 16, 2008**

TO: **Watermaster Interested Parties**

SUBJECT: **Summary and Analysis of Application for Water Transaction**

Summary –
There does not appear to be a potential material physical injury to a party or to the basin from the proposed transaction as presented.

Issue –

- Notice of Sale or Transfer – Fontana Water Company ("Company") has agreed to purchase from The Nicholson Trust annual production right in the amount of 8.185 acre-feet.

Recommendation –

1. Continue monitoring as planned in the Optimum Basin Management Program.
2. Use all new or revised information when analyzing the hydrologic balance and report to Watermaster if a potential for material physical injury is discovered, and
3. Approve the transaction as presented.

Fiscal Impact –

[ ] None
[X] Reduces assessments under the 85/15 rule
[ ] Reduce desalter replenishment costs

Background
The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000, and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for applications to store, recapture, recharge or transfer water, as well as for applications for credits or reimbursements and storage and recovery programs.

Where there is no material physical injury, Watermaster must approve the transaction. Where the request for Watermaster approval is submitted by a party to the Judgment, there is a rebuttable presumption that most of the transactions do not result in Material Physical Injury to a party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

The following application for water transaction is attached with the notice of application.

- Notice of Sale or Transfer – Fontana Water Company ("Company") has agreed to purchase from The Nicholson Trust annual production right in the amount of 8.185 acre-feet..

Notice of the water transaction identified above was mailed on May 16, 2008 along with the materials submitted by the requestors.

DISCUSSION

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. There is no indication additional analysis regarding this transaction is necessary at this time. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of extensometers are planned. Based on no real change in the available data, we cannot conclude that the proposed water transaction will cause material physical injury to a party or to the Basin.

FONTANA WATER COMPANY
A DIVISION OF SAN GABRIEL VALLEY WATER COMPANY
8440 NUEVO AVENUE • P.O. BOX 987, FONTANA, CALIFORNIA 92334 • (909) 822-2201

April 30, 2008

Mr. Kenneth R. Manning, Chief Executive Officer
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, California 91730

Subject: Purchase of Annual Production Right
Chino Basin-Fiscal Year 2007/2008

Dear Mr. Manning:

Please take notice that Fontana Water Company ("Company") has agreed to purchase from The Nicholson Trust annual production right in the amount of 8.185 acre-feet to satisfy a portion of the Company's anticipated Chino Basin replenishment obligation for Fiscal Year 2007/2008.

Enclosed is a fully executed Chino Basin Watermaster Form No. 5, along with the company's Recapture Plan for consideration by Watermaster. Please agendize this proposed transfer at the earliest possible opportunity.

If you should have any question or require additional information concerning this matter, please call me.

Very truly yours,

Michael J. McGraw
General Manager

MJM:yn
Enclosures

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Form 5

APPLICATION
TO
TRANSFER ANNUAL PRODUCTION RIGHT OR SAFE YIELD

Fiscal Year 2007 - 2008

Commencing on July 1, 2007 and terminating on June 30, 2008, The Nicholson Trust ("Transferor") hereby transfers to Fontana Water Company ("Transferee") the quantity of 8.185 acre-feet of corresponding Annual Production Right (Appropriative Pool) or Safe Yield (Non-Agricultural Pool) adjudicated to Transferor or its predecessor in interest in the Judgment rendered in the Case of "CHINO BASIN MUNICIPAL WATER DISTRICT vs. CITY OF CHINO, et al.," RCV 51010 (formerly Case No. SCV 164327).

Said Transfer shall be conditioned upon:

(1) Transferee shall exercise said right on behalf of Transferor under the terms of the Judgment and the Peace Agreement and for the period described above. The first water production in any year shall be that produced pursuant to carry-over rights defined in the Judgment. After production of its carry-over rights, if any, the next (or first if no carry-over rights) water produced by Transferee from the Chino Basin shall be that produced hereunder.
(2) Transferee shall put all waters utilized pursuant to said Transfer to reasonable beneficial use.
(3) Transferee shall pay all Watermaster assessments on account of the water production hereby Transferred.
(4) Any Transferee not already a party must intervene and become a party to the Judgment.

TO BE EXECUTED by both Transferor and Transferee, and to be accomplished by a general description of the area where the Transferred water was to be Produced and used prior to the Transfer, and where it will be Produced and used after the Transfer. This general description can be in the form of a map.

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?

Recapture by Fontana Water Company accomplished by pumping of 15 wells-static levels vary from 375' to 684'. Of the wells routinely pumped, nitrate levels vary from a low of 8 mg/l to a high of 33 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 applicant? Yes [ ] No [X]

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?

N/A

ADDITIONAL INFORMATION ATTACHED Yes [ ] No [X]

The Nicholson Trust
Robert H. Nicholson, Jr., Trustee

Michael J. McGraw, General Manager
Fontana Water Company

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: _____

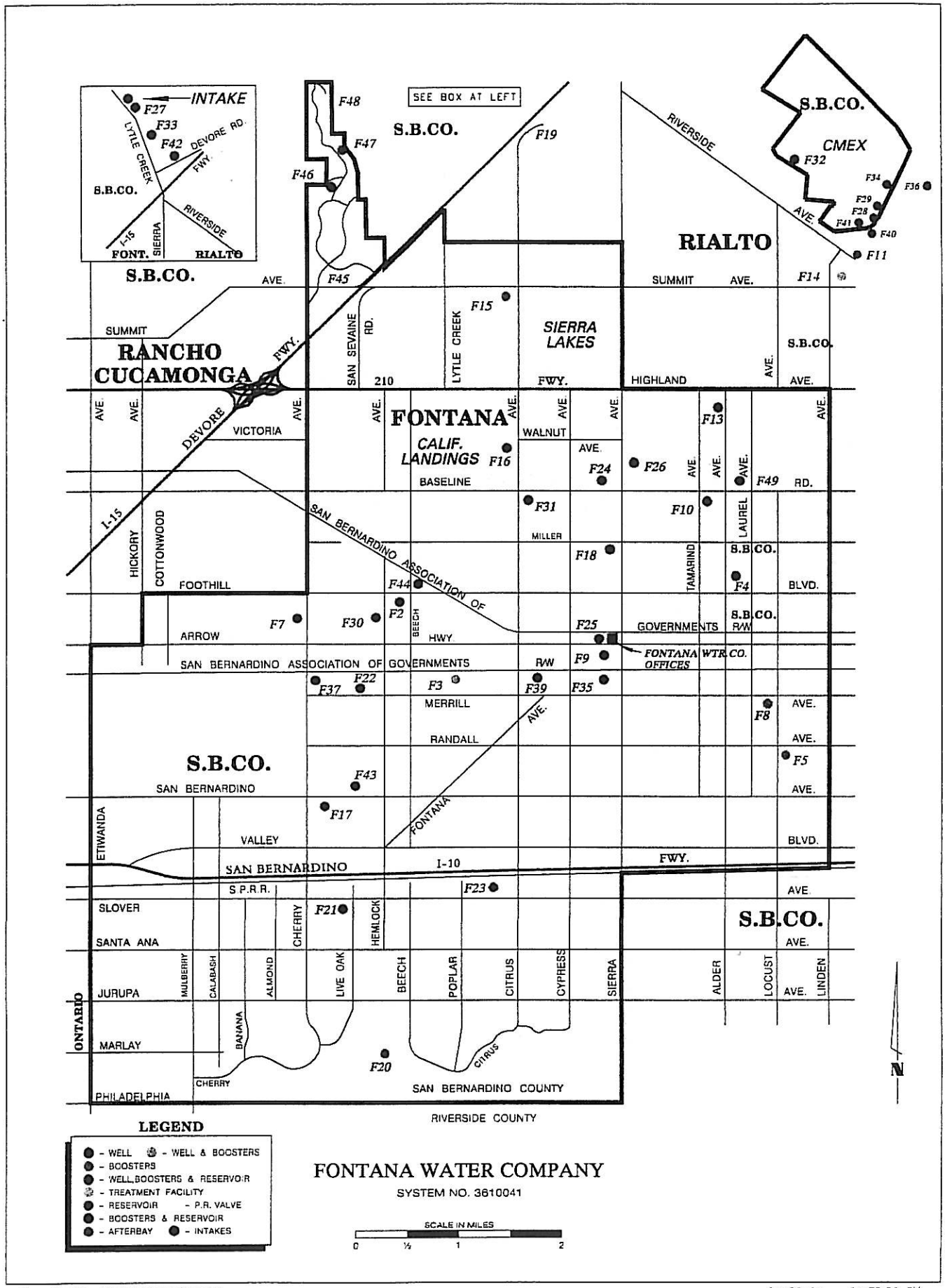
DATE OF BOARD APPROVAL: _____ Agreement # _____

FONTANA WATER COMPANY
Recapture Plan

The subject water is a transfer of annual production right from The Nicholson Trust to Fontana Water Company (FWC) of 8.185 acre-feet to satisfy a portion of FWC's replenishment obligation for FY 2007/2008. Recapture of the stored water is accomplished by the production of any or all of the 15 wells owned and operated by FWC within Management Zone 3 of the Chino Groundwater Basin. The approximate daily production capacity of these wells is as follows:

Well		Production Acre-Feet/Day
F23A	-	10.6
F21A	-	5.7
F7A	-	11.0
F7B		10.2
F22A	-	8.2
F24A	-	8.4
F26A	-	8.6
F31A	-	7.3
F2A	-	10.6
F30A	-	5.1
F44A	-	11.0
F44B	-	10.6
F44C	-	10.6
F17B	-	5.7
F17C	-	7.1
Daily Total		126.2

The attached map shows the location of these wells within FWC's service area. Prior to 1992, water produced from the majority of these wells was pumped within Management Zone 3 by Fontana Union Water Company with safe yield rights in the Chino Groundwater Basin. However, as a result of a bankruptcy settlement agreement dated February 7, 1992 all of Fontana Union's Chino Groundwater Basin water, including overlying (agricultural) pool reallocation, is annually transferred to Cucamonga Valley Water District's storage account. Pursuant to the same 1992 bankruptcy settlement agreement, Fontana Water Company acquired Fontana Union's water production wells and continues to produce water from Management Zone 3, in the same manner and for the same purpose as had been done prior to 1992.



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CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

September 4, 2008

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **August 13, 2008** Date of this notice: **September 4, 2008**

Please take notice that the following Application has been received by Watermaster:

A. Notice of Sale or Transfer – Cucamonga Valley Water District (CVWD) is purchasing 2,500 acre-feet of water from Marygold Mutual Water Company,

This ***Application*** will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool:	September 11, 2008
Non-Agricultural Pool:	September 11, 2008
Agricultural Pool:	September 16, 2008

This ***Application*** will be scheduled for consideration by the Advisory Committee ***no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days*** after the last pool committee reviews it.

After consideration by the Advisory Committee, the ***Application*** will be considered by the Board.

Unless the ***Application is*** amended, parties to the Judgment may file ***Contests*** to the ***Application*** with Watermaster ***within seven calendar days*** of when the last pool committee considers it. Any ***Contest*** must be in writing and state the basis of the ***Contest***.

Watermaster address:

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

Tel: (909) 484-3888
Fax: (909) 484-3890

CHINO BASIN WATERMASTER

NOTICE
OF
TRANSFER OF WATER

Notification Dated: September 4, 2008

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is "no material physical injury" and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).

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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

DATE: **September 4, 2008**

TO: **Watermaster Interested Parties**

SUBJECT: **Summary and Analysis of Application for Water Transaction**

Summary –
There does not appear to be a potential material physical injury to a party or to the basin from the proposed transaction as presented.

Issue –

- **Notice of Sale or Transfer –** Cucamonga Valley Water District (CVWD) is purchasing 2,500 acre-feet of water from Marygold Mutual Water Company.

Recommendation –

1. Continue monitoring as planned in the Optimum Basin Management Program.
2. Use all new or revised information when analyzing the hydrologic balance and report to Watermaster if a potential for material physical injury is discovered, and
3. Approve the transaction as presented.

Fiscal Impact –

[X] None
[ ] Reduces assessments under the 85/15 rule
[ ] Reduce desalter replenishment costs

Background
The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000, and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for applications to store, recapture, recharge or transfer water, as well as for applications for credits or reimbursements and storage and recovery programs.

Where there is no material physical injury, Watermaster must approve the transaction. Where the request for Watermaster approval is submitted by a party to the Judgment, there is a rebuttable presumption that most of the transactions do not result in Material Physical Injury to a party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

The following application for water transaction is attached with the notice of application.

- Cucamonga Valley Water District (CVWD) is purchasing 2,500 acre-feet of water from Marygold Mutual Water Company.

Notice of the water transaction identified above was mailed on September 4, 2008 along with the materials submitted by the requestors.

DISCUSSION

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. There is no indication additional analysis regarding this transaction is necessary at this time. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of extensometers are planned. Based on no real change in the available data, we cannot conclude that the proposed water transaction will cause material physical injury to a party or to the Basin.

Cucamonga Valley Water District
Service You Can Depend On ©

10440 Ashford Street • Rancho Cucamonga, CA 91729-0638
P.O. BOX 638 • (909) 987-2591 • Fax (909) 476-8032

Robert A. DeLoach
General Manager
Chief Executive Officer

August 13, 2008

Kenneth R. Manning, Chief Executive Officer
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Re: Water transfer from Marygold Mutual Water Company to Cucamonga Valley Water District

Dear Mr. Manning:

This letter is to notify Watermaster that Cucamonga Valley Water District (CVWD) is purchasing 2,500 acre-feet of water from Marygold Water Company (SAWCO). This purchase is made from Marygold's water in storage. Please place this water into CVWD's Excess Carryover Account.

Executed copies of Forms 3 and 4 (Application for Sale or Transfer of Right to Produce Water from Storage and Application or Amendment to Application to Recapture Water in Storage) are attached. If you have any question or need additional information please call me.

Yours truly,

Martin E. Zvirbulis
Deputy General Manager

Attachment: Form 5 (Application to Transfer Annual Production Right or Safe Yield)

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Form 3

APPLICATION FOR SALE OR TRANSFER OF RIGHT TO PRODUCE WATER FROM STORAGE

TRANSFER FROM LOCAL STORAGE AGREEMENT #____

Marygold Mutual Water Company
Name of Party

July 23, 2008
Date Requested

_____
Date Approved

9715 Alder Avenue
Street Address

2,500 Acre-feet
Amount Requested

_____ Acre-feet
Amount Approved

Fontana — City
CA — State
92335 — Zip Code

Telephone: (909) 877-0516

Facsimile: _____

Justin Brokaw
Applicant: Marygold Mutual Water Company

TRANSFER TO:
Cucamonga Valley Water District
Name of Party

Attach Recapture Form 4

10440 Ashford Street
Street Address

Rancho Cucamonga — City
CA — State
91730 — Zip Code

Telephone: (909) 987-2591

Facsimile: (909) 476-8032

Have any other transfers been approved by Watermaster between these parties covering the same fiscal year? Yes [ ] No [X]

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 vary from 462' to 583'. Of the wells routinely pumped, nitrate levels vary from 4 mg/l to 35 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 [X]

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?
N/A

ADDITIONAL INFORMATION ATTACHED Yes [ ] No [X]

Robert A. DeLoach, General Manager/CEO
Cucamonga Valley Water District

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 #_____

Form 4

APPLICATION OR AMENDMENT TO APPLICATION
TO
RECAPTURE WATER IN STORAGE

APPLICANT

Cucamonga Valley Water District Name of Party			July 23, 2008 Date Requested	_____ Date Approved
10440 Ashford Street Street Address			2,500 Acre-feet Amount Requested	_____ Acre-feet Amount Approved
Rancho Cucamonga City	CA State	91730 Zip Code	Varies Projected Rate of Recapture	July 1,2008–June 30, 2009 Projected Duration of Recapture

Telephone: (909) 987-2591

Facsimile: (909) 476-8032

IS THIS AN AMENDMENT TO A PREVIOUSLY APPROVED APPLICATION? [ ] YES [X] NO

IF YES, ATTACH APPLICATION TO BE AMENDED

IDENTITY OF PERSON THAT STORED THE WATER: Marygold Mutual Water Company

PURPOSE OF RECAPTURE

- [ ] Pump when other sources of supply are curtailed
- [X] Pump to meet current or future demand over and above production right
- [ ] Pump as necessary to stabilize future assessment amounts
- [ ] Other, explain _____

METHOD OF RECAPTURE (if by other than pumping) (e.g. exchange)

N/A

PLACE OF USE OF WATER TO BE RECAPTURED

Within Cucamonga Valley Water District's service area (see attached map), Management Zone 2.

LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION FACILITIES).

N/A

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 vary from 462' to 583'. Of the wells routinely pumped, nitrate levels vary from 4 mg/l to 35 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 [X]

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?
N/A

ADDITIONAL INFORMATION ATTACHED Yes [ ] No [X]

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 #_____

CHINO BASIN WATERMASTER

NOTICE

OF

APPLICATION(S)

RECEIVED FOR

WATER TRANSACTIONS – ACTIVITIES

Date of Notice:

September 4, 2008

This notice is to advise interested persons that the attached application(s) will come before the Watermaster Board on or after 30 days from the date of this notice.

NOTICE OF APPLICATION(S) RECEIVED

Date of Application: **August 19, 2008** Date of this notice: **September 4, 2008**

Please take notice that the following Application has been received by Watermaster:

A. Notice of Sale or Transfer – On August 19, 2008, Watermaster received Forms 3, 4, and 5 water transfer applications, with Sunkist Growers, Inc. as Transferor and the City of Ontario (as Overlying Non-Agricultural party) as Transferee in the amount of all of Sunkist's water in storage as of June 30, 2008, and a permanent transfer of its share of safe yield. Simultaneous with these applications, Watermaster received a request for Intervention into the Overlying Non-Agricultural) Pool from the City of Ontario.

This ***Application*** will first be considered by each of the respective pool committees on the following dates:

Appropriative Pool:	September 11, 2008
Non-Agricultural Pool:	September 11, 2008
Agricultural Pool:	September 16, 2008

This ***Application*** will be scheduled for consideration by the Advisory Committee ***no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days*** after the last pool committee reviews it.

After consideration by the Advisory Committee, the ***Application*** will be considered by the Board.

Unless the ***Application*** *is* amended, parties to the Judgment may file ***Contests*** to the ***Application*** with Watermaster ***within seven calendar days*** of when the last pool committee considers it. Any ***Contest*** must be in writing and state the basis of the ***Contest***.

Watermaster address:

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

Tel: (909) 484-3888
Fax: (909) 484-3890

CHINO BASIN WATERMASTER

NOTICE
OF
TRANSFER OF WATER

Notification Dated: September 4, 2008

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is "no material physical injury" and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).

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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

DATE: **September 4, 2008**

TO: **Watermaster Interested Parties**

SUBJECT: **Summary and Analysis of Application for Water Transaction**

SUMMARY

There does not appear to be a potential material physical injury to a party or to the basin from the proposed transaction as presented.

Issue -

Notice of Sale or Transfer – On August 19, 2008, Watermaster received Forms 3, 4, and 5 water transfer Applications, with Sunkist Growers, Inc. as Transferor and the City of Ontario (as Overlying Non-Agricultural party) as Transferee in the amount of all of Sunkist's water in storage as of June 30, 2008, and a permanent transfer of its share of safe yield. Simultaneous with these applications, Watermaster received a request for Intervention into the Overlying (Non-Agricultural) Pool from the City of Ontario. This Staff Report provides a summary and analysis of the proposed transfer.

Recommendation –

1. Continue monitoring as planned in the Optimum Basin Management Program.
2. Use all new or revised information when analyzing the hydrologic balance and report to Watermaster if a potential for material physical injury is discovered, and
3. Approve the transaction as presented.

Fiscal Impact –

[X] None
[ ] Reduces assessments under the 85/15 rule
[ ] Reduce desalter replenishment costs

BACKGROUND

The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000, and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for applications to store, recapture, recharge or transfer water, as well as for applications for credits or reimbursements and storage and recovery programs.

Where there is no material physical injury, Watermaster must approve the transaction. Where the request for Watermaster approval is submitted by a party to the Judgment, there is a rebuttable presumption that most of the transactions do not result in Material Physical Injury to a party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

The following application for water transaction is attached with the notice of application.

- Notice of Sale or Transfer – On August 19, 2008, Watermaster received Forms 3, 4, and 5 water transfer Applications, with Sunkist Growers, Inc. as Transferor and the City of Ontario (as Overlying Non-Agricultural party) as Transferee in the amount of all of Sunkist's water in storage as of June 30, 2008, and a permanent transfer of its share of safe yield. Simultaneous with these applications, Watermaster received a request for Intervention into the Overlying (Non-Agricultural) Pool from the City of Ontario. This Staff Report provides a summary and analysis of the proposed transfer.

Notice of the water transaction identified above was mailed on September 4, 2008 along with the materials submitted by the requestors.

DISCUSSION

Under Exhibit G, paragraph 6, of the Judgment: "Rights herein decreed are appurtenant to that land and are only assignable with the land for overlying use thereon; provided however, . . . (b) the members of the Pool shall have the right to Transfer or lease their quantified production rights within the Pool or to Watermaster in conformance with the procedures described in the Peace Agreement between the Parties therein, dated June 29, 2000 for the term of the Peace Agreement." The Peace Agreement and Peace II Agreement thus modified the strict appurtenancy requirement to allow Transfers of the water rights under certain conditions.

In the 1978 Judgment, Sunkist Growers, Inc. was adjudicated rights of 1,873.403 acre-feet within the Overlying (Non-Agricultural) Pool. In 2006, Sunkist Growers, Inc. sold a portion (i.e., 15 acres) of its real property to Koll, and in 2008 permanently transferred 22.000 AFY of its adjudicated rights to Koll for use on the Koll Property. After the Koll transfer, Sunkist's remaining adjudicated right is 1,851.402 AFY. Sunkist is currently in escrow to sell the Sunkist plant property to the City of Ontario (11.1 acres consisting of parcel numbers 20108, 20207, 20206, and 104923221), with the exception of Sunkist's tank farm (parcel number 104922101), which will be retained by Sunkist.

Sunkist and the City of Ontario have submitted Form 3 (Application for Sale or Transfer of Right to Produce Water from Storage), Form 4 (Application or Amendment to Application to Recapture Water in Storage), and Form 5 (Application to Transfer Annual Production Right or Safe Yield). The Applications indicate that the amount of water rights to be permanently transferred is 1,851.402 acre-feet. In addition, Sunkist is transferring to the City (as an Overlying Non-Agricultural party) all of its water in storage as of June 30, 2008. According to the City of Ontario's request for Intervention, the groundwater extracted will be solely utilized for uses authorized in the Judgment including providing water service to properties in Ontario, which have been sold or still are retained by Sunkist.

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of additional extensometers are planned. The Applications indicate that the Applicant is not aware of any potential Material Physical Injury to a party to the Judgment or the Basin that may be caused by the transfer. Wildermuth Environmental, Inc. performed a Material Physical Injury analysis (attached). Watermaster agrees that under the Transfer as proposed in the Applications, there will be no change that will result in Material Physical Injury.

Sunkist

August 19, 2008

Charles L. Woltmann
Senior Vice President
Law and General Counsel

Sunkist Growers
14130 Riverside Drive
Sherman Oaks, CA 91423-2313
Tel: (818) 379-7532
Fax: (818) 379-7381
cwoltmann@sunkistgrowers.com

Mr. Kenneth R. Manning, CEO
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, California 91730

Re. *Permanent Transfer of Safe Yield and Water in Storage*

Dear Mr. Manning:

This is to notify the Watermaster that Sunkist Growers, Inc. ("Transferor") is hereby requesting the permanent transfer to the City of Ontario ("Transferee") all of its groundwater in storage and all of its remaining groundwater production rights (Safe Yield, net of the 22AF annual rights previously transferred to KCO, Inc.), adjudicated to Transferor or its predecessor-in-interest in the Judgment rendered in the Case of "CHINO BASIN MUNICIPAL WATER DISTRICT vs. CITY OF CHINO, et al." RCV 51010 (formerly Case No. SCV 164327).

Executed original Watermaster forms and all supporting documentation shall be provided under separate cover. Please put the proposed purchase on the agenda for the next Watermaster meetings.

Sincerely,

Charles L. Woltmann
Sr. Vice President Law and
General Counsel

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CITY OF ONTARIO

PUBLIC WORKS AND
COMMUNITY SERVICES AGENCY

August 19, 2008

Mr. Kenneth R. Manning, CEO
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, California 91730

Re: Request to Intervene in *Chino Basin Municipal Water District v. City of Chino, et at,* San Bernardino Superior Court Case No. RCV 51010 (Formerly Case No. 164327)

Dear Mr. Manning:

The City of Ontario (City) hereby submits this request to intervene in the above-referenced action (the "Judgment") as a member of the overlying non-agricultural pool. The City's request is based on the following facts:

A. The Judgment allocates water rights based on each party's land ownership. As an owner of real property overlying the Chino Groundwater Basin ("Basin"). Sunkist Growers, Inc. ("Sunkist") was provided under the Judgment with 1,873.40 AFY of adjudicated safe yield when the Judgment was first entered in 1978/1979. The real property held by Sunkist at that time included the real property described in the next paragraph.

B. Sunkist sold real property overlying the Basin to the City of Ontario, known as the Sunkist plant (11.1 acres consisting of parcels # 20108, 20207, 20206, and 104923221) with the exception of Sunkist's tank farm (parcel # 104922101), which will be retained by Sunkist.

1425 SOUTH BON VIEW AVENUE • ONTARIO, CALIFORNIA 91761-4406 • (909) 395-2605 • FAX: (909) 395-2601

C. As part of the sale transaction referenced in Section B above, Sunkist wishes to transfer all of its remaining adjudicated water rights (approximately 1,851.402 AFY), and all Sunkist water in storage (13,633.504 AF as of June 30, 2007, plust any additional Sunkist stored water for FY 2007-08) to the City of Ontario. Form 5 (Application to Transfer Annual Production Right or Safe Yield) and Form 3 (Application for Sale or Transfer of right to Produce Water from Storage) are attached.

D. The City of Ontario is requesting to intervene in the Judgment to become a member of the overlying Non-Agricultural Pool. A Motion to Intervene will be filed with the court if deemed necessary by the Watermaster.

E. The City's request to intervene is pursuant to Section 4.4 of the Peace II agreement which states: "Non-Agricultural Pool Intervention. The Parties acknowledge and agree that any Party to the Judgment shall have the right to purchase Non-Agricultural overlying property within the Basin and appurtenant water rights and to intervene in the Non-Agricultural Pool."

F. The City of Ontario will use the groundwater described under Section C above for uses authorized in the Judgment including providing water service to properties in Ontario, which have been sold or still are retained by Sunkist.

G. The transfer from Sunkist to the City of Ontario does not involve any additional groundwater extractions not provided for under the Judgment. As a result, the transfer will not result in any "material physical injury" to any party.

Based on the foregoing, the City of Ontario respectfully requests that the Watermaster approve its request to intervene in the Judgment to become a member of the overlying Non-Agricultural Pool and Sunkist's request to transfer its remaining adjudicated rights (approximately 1,851.402 AFY) of overlying groundwater rights, and all of Sunkist water in storage (13,633.504 AF as of June 30, 2007, plust any additional Sunkist stored water for FY 2007-08) to the City of Ontario. The City of Ontario shall comply with all provisions of the Judgment.

Please agendize the City's request for the September Pool meetings. If you have any questions regarding the foregoing, please contact me.

Respectfully submitted,

Mohamed El-Amamy
Utilities Director

Form 3

APPLICATION FOR
SALE OR TRANSFER OF RIGHT TO PRODUCE WATER FROM STORAGE

TRANSFER FROM LOCAL STORAGE AGREEMENT #____

Charles L. Woltmann, Sunkist General Counsel
Name of Party

14130 Riverside Drive
Street Address

Sherman Oaks | CA | 91423
City | State | Zip Code

Telephone: (818) 379-7532

Applicant

7/28/2008
Date Requested

13,633.504 (*) Acre-feet
Amount Requested
(*) As of 6/30/2007, plus stored water from FY 2007-08

Date Approved

_____ Acre-feet
Amount Approved

Facsimile: (818) 379-7381

TRANSFER TO:

City of Ontario
Name of Party

Attach Recapture Form 4

1425 S. Bon View
Street Address

Ontario | CA | 91761
City | State | Zip Code

Telephone: 909-395-2681

Facsimile: 909-395-2601

Have any other transfers been approved by Watermaster between these parties covering the same fiscal year? Yes [ ] No [X]

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?

None

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 [X]

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?

ADDITIONAL INFORMATION ATTACHED Yes [ ] No [X]

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 #_____

Form 4

APPLICATION OR AMENDMENT TO APPLICATION TO RECAPTURE WATER IN STORAGE

APPLICANT

City Of Ontario
Name of Party

August 19, 2008
Date Requested

Date Approved

1425 S. Bon View Avenue
Street Address

13,633.504 (*) Acre-feet
Amount Requested

Acre-feet
Amount Approved

Ontario | CA | 91761
City | State | Zip Code

Varies
Projected Rate of Recapture

July 1, 2008 – June 30, 2028 (Amount varies each year)
Projected Duration of Recapture

Telephone: 909-395-2600

Facsimile: 909-395-2601

(*) Amount requested is 13,633.504 as of June 30, 2007, plus Sunkist stored water from FY 2007-08.

IS THIS AN AMENDMENT TO A PREVIOUSLY APPROVED APPLICATION? [ ] YES [X] NO
IF YES, ATTACH APPLICATION TO BE AMENDED

IDENTITY OF PERSON THAT STORED THE WATER: **Sunkist**

PURPOSE OF RECAPTURE

[ ] Pump when other sources of supply are curtailed
[X] Pump to meet current or future demand over and above production right
[ ] Pump as necessary to stabilize future assessment amounts
[ ] Other, explain _____

METHOD OF RECAPTURE (if by other than pumping) (e.g. exchange)

N/A

PLACE OF USE OF WATER TO BE RECAPTURED

Management zones 2 and 3

N/A

LOCATION OF RECAPTURE FACILITIES (IF DIFFERENT FROM REGULAR PRODUCTION 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 level varies from 272 feet to 524 feet. Of the wells routinely pumped, nitrate levels vary form less than 5 to 40 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 [X]

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?

_____

_____

_____

_____

ADDITIONAL INFORMATION ATTACHED Yes [X] No [ ]
See attached Recapture Plan

_____
Mohamed El-Amamy, Utilities Director

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 #_____

CITY OF ONTARIO
Recapture Plan

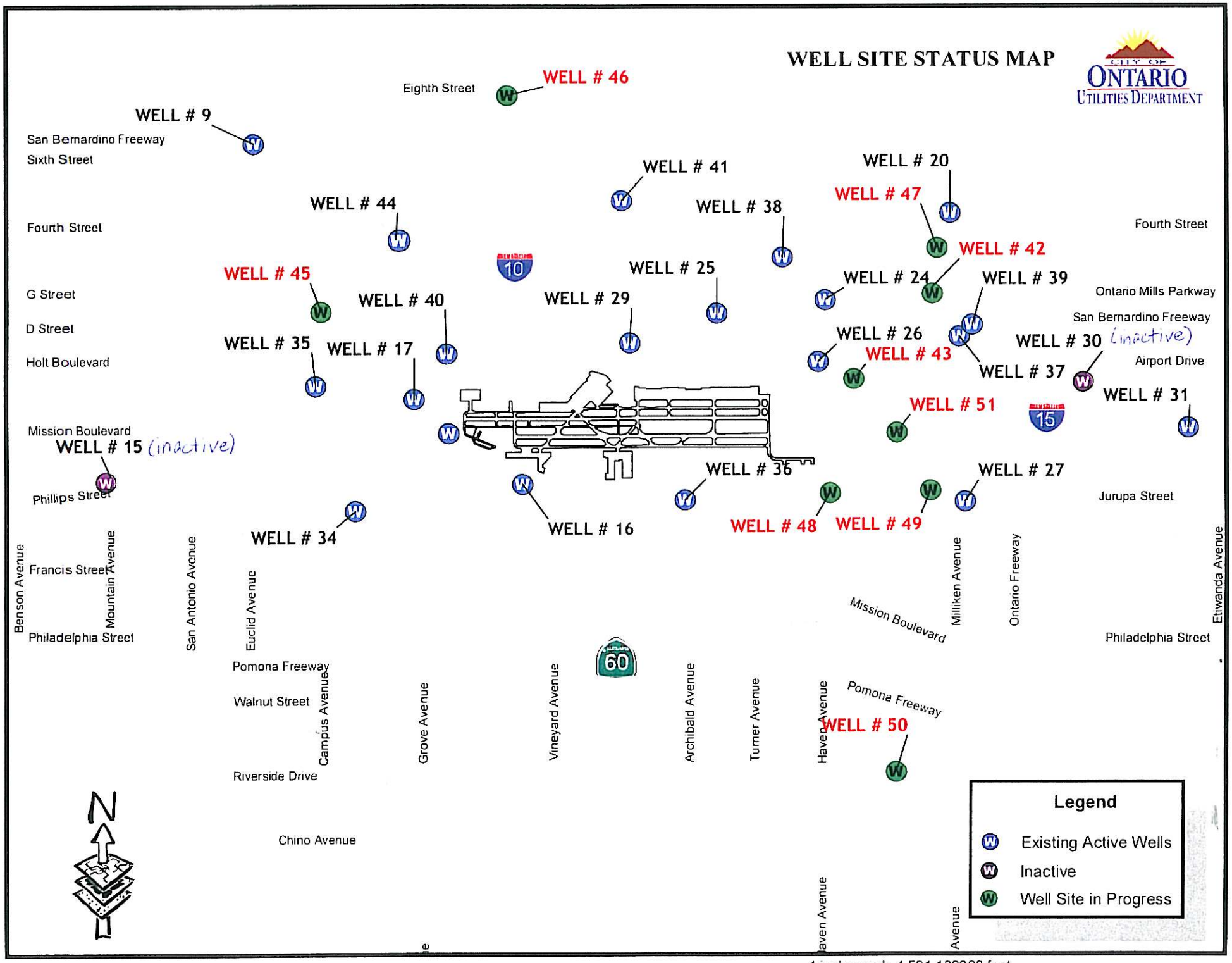
The subject water is a permanent transfer from Sunkist Growers, Inc. property located in the City of Ontario within Management Zone 2 to the City of Ontario. This transfer includes Sunkist's 1,851.402 acre-feet per year of corresponding Safe Yield (Non-Agricultural Pool), and Sunkist stored water (13,633.5.4 acre-feet of Sunkist stored water as of June 30, 2007, plus Sunkist stored water from FY 20087-08). Recapture of the this water is accomplished by the production of any of the wells listed below which are owned and operated by the City within Management Zones 2 and 3 of the Chino Groundwater Basin. The recaptured water will be utilized for uses authorized in the Judgment including providing water service to properties in Ontario, which have been sold or still are retained by Sunkist. The approximate daily production capacity of these wells is as follows:

Well No.	Capacity acre-feet/day
17	7.2
20	3.4
24	8.4
25	6.2
26	5.7
27	4.9
29	11.2
30	14.1
31	13.1
35	8.6
36	8.3
37	13.4
38	11.4
39	8.6
40	13.4
41	11.0
	149.1

A map showing the locations of these wells is attached. The rate of extraction can vary significantly, depending upon system demand and seasonal changes.

WELL SITE STATUS MAP

CITY OF ONTARIO UTILITIES DEPARTMENT



1 inch equals 4,591.138388 feet

Form 5

APPLICATION
TO
TRANSFER ANNUAL PRODUCTION RIGHT OR SAFE YIELD

Effective July 1, 2008, Sunkist Growers, Inc. ("Transferor") hereby requests a **permanent** transfer to the City of Ontario ("Transferee") the quantity of 1,851.402 acre-feet per year of corresponding Safe Yield (Non-Agricultural Pool) adjudicated to Transferor or its predecessor in interest in the Judgment rendered in the Case of *"CHINO BASIN MUNICIPAL WATER DISTRICT vs. CITY OF CHINO, et al."* RCV 51010 (formerly Case No. SCV 164327).

Said Transfer shall be conditioned upon:

(1) Transferee shall exercise said right on behalf of Transferor under the terms of the Judgment and the Peace Agreement and for the period described above. The first water produced in any year shall be that produced pursuant to carry-over rights defined in the Judgment. After production of its carry-over rights, if any, the next (or first if no carry-over rights) water produced by Transferee from the Chino Basin shall be that produced hereunder.
(2) Transferee shall put all waters utilized pursuant to said Transfer to reasonable beneficial use.
(3) Transferee shall pay all Watermaster assessments on account of the water production hereby Transferred.
(4) Any Transferee not already a party must intervene and become a party to the Judgment.

TO BE EXECUTED by both Transferor and Transferee, and to be accompanied by a general description of the area where the Transferred water was to be Produced and used prior to the Transfer, and where it will be Produced and used after the Transfer. This general description can be in the form of a map.

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?

None

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 [X]

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?

ADDITIONAL INFORMATION ATTACHED Yes [ ] No [X]

Charles L. Woltmann, Sunkist General Counsel
Transferor

Mohamed El-Amamy, Ontario Utilities Director
Transferee

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 #_____

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

DATE: **September 4, 2008**

TO: **Watermaster Interested Parties**

SUBJECT: **Analysis of Material Physical Injury – City of Ontario August 19, 2008 Intervention into the Overlying Non-agricultural Pool and the Sale of the Sunkist's Water Right to the City of Ontario.**

SUMMARY

Issue – On August 19, 2008, The City of Ontario sent a letter to the Chino Basin Watermaster requesting to intervene in the *Chino Basin Municipal Water District v, City of Chino, et al*, San Bernardino Superior Court Case No. RCV 51010 (formerly Case No. 164327) as a member of the overlying non-agricultural pool. This request included the appropriate Watermaster forms to convey all of the remaining adjudicated rights and water in storage from Sunkist, a party to the Judgment and a member of the overlying non-agricultural pool. In total the transaction conveys to the City 1,851.402 acre-ft/yr of adjudicated pumping rights, and all the Sunkist water in storage as of June 30, 2007 (13,633.504 acre-ft) plus any additional Sunkist stored water for fiscal year 2007-08. Upon receipt of such an application, Watermaster must conduct an analysis of Material Physical Injury, pursuant to the Peace Agreement and Watermaster's Rules and Regulations. Watermaster CEO directed staff to complete the analysis of Material Physical Injury pursuant to the Peace Agreement and Watermaster's Rules and Regulations. Wildermuth Environmental Inc. (WEI) completed this analysis and their results are summarized below. The requested intervention by itself will not cause material physical injury. Therefore only the proposed sale of Sunkist's water right and water in storage to the City of Ontario is analyzed herein. Based on WEI's analysis, Watermaster staff concludes that no material physical injury will occur from the proposed sale of Sunkist's water right and water in storage to the City of Ontario and the City's subsequent use of that water pursuant to its August 19, 2008 letter.

Recommendation – Provided that the Watermaster approves the City of Ontario's intervention into the overlying non-agricultural pool, Watermaster staff recommends that the Watermaster approve the transfer of water right and stored water from Sunkist to the City of Ontario as described in the City's August 19, 2008 letter.

BACKGROUND

Sunkist is a party to the Judgment and a member of the overlying non-agricultural pool. When the Judgment was entered in 1978, Sunkist was allocated 1873.402 acre-ft/yr of overlying groundwater pumping rights in the Chino Basin. Sunkist's current right is 1,851.402 acre-ft/yr.

Sunkist has sold 11.1 acres of their land that was associated with this overlying right and all their current overlying rights to the City of Ontario. Sunkist has also sold to the City its water in storage as of June 30, 2007 (13,633.504 acre-ft) plus any additional Sunkist water stored during fiscal year 2007-08: based on recent years Sunkist pumping this will provide the City about 15,000 acre-ft of stored water. The City intends to use the water right and stored water "for uses authorized in the Judgment including providing water service to properties in Ontario, which have been sold or still are retained by Sunkist" (paragraph F in the August 19, 2008 letter). In order to use this water right the City must intervene in the Judgment as a member of the overlying non-agricultural pool. The City intends to serve these properties from its wells as described in the recapture plan in their August 19, 2008 letter to the Watermaster.

Included in the August 19, 2008 submittal are the following Watermaster forms:

Form 3 *Application for Sale or Transfer of Right to Produce Water from Storage*, completed by Charles L. Woltmann, Sunkist General Counsel and Mohamed El-Amamy, City of Ontario, on July 28, 2008

Form 4 *Application or Amendment to Application to Recapture Water in Storage*, completed by Mohamed El-Amamy, City of Ontario Utilities Director on August 19, 2008

Recapture Plan for the City of Ontario that indicates that this water will be recaptured by City wells in Management Zone 2.

Form 5 *Application to Transfer Annual Production Right or Safe Yield*, completed by Charles L. Woltmann, Sunkist General Counsel and Mohamed El-Amamy, City of Ontario, effective July 1, 2008

Watermaster staff has reviewed these forms and concurs that these forms have been accurately completed by Sunkist and the City.

DISCUSSION

Article 10 of 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).

Watermaster staff analysis of material physical injury is summarized below.

Groundwater Level Impacts (liquefaction, land subsidence and increases in pump lift). This type of transfer was anticipated in the Peace II modeling work conducted by WEI for the Watermaster and reported in WEI's November 2007 report. WEI assumed in their modeling projections that unproduced water rights, regardless of party, would be used to satisfy replenishment obligations each year. The changes in groundwater levels from this transaction compared the changes projected in the WEI modeling work are negligible. WEI concluded that there would be no material injury from the activities permitted in the Peace II agreement and therefore the use of the Sunkist overlying Right by the City would have result in no material physical injury. Sunkist's stored water on June 30, 2008 is about 15,000 acre-ft and in magnitude is about 3.8 percent of the water allocated to reoperation. The groundwater level change from this 15,000 acre-ft reduction in storage will be negligible.

Balance of Recharge and Discharge in Every Area and Subarea. The City is proposing to serve this water to properties in Ontario, which have been sold or still are retained by Sunkist from City wells. Its recapture plan suggests that it will do so from wells predominantly in Management Zone 2, but also in Management Zone 3. Management Zone 2 is the same management zone that Sunkist historically pumped from. The City has historically served water to the Sunkist properties in lieu of Sunkist fully producing its rights: the magnitude of which was about 1,450 acre-ft/yr and 1,317 acre-ft/yr in 1999/00

and 2000/01 respectively. There will be will be negligible change in the balance of recharge and discharge from the proposed transaction.

Water Quality Impacts on Other Pumpers. Given that there will be negligible changes in groundwater level and the balance of recharge and discharge there will be negligible change in groundwater quality from the proposed transaction.

CONCLUSION

The water transactions described in the City's August 19, 2008 intervention letter (and supported by the forms) were included in the material physical injury analysis of the activities permitted by Peace II agreement. In WEI's professional opinion there will be no material physical injury from the groundwater level changes due to this transaction.

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

A. SEMI-ANNUAL STATUS REPORT

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: **September 11, 2008**
September 16, 2008
September 25, 2008

TO: **Committee Members**
Watermaster Board Members

SUBJECT: **Status Report 2008-1**

SUMMARY

Recommendation **– Approve Status Report 2008-1 for filing with the Court**

BACKGROUND

Status Report 2008-1 covers the period of January 1, 2008 through June 30, 2008. While the bulk to the report describes work conducted for each element of the Optimum Basin Management Program (OBMP) during the six-month period, it also references the reports and court filings made to address the issues of the Peace II implementation.

Staff recommends approval of the report for filing with the Court.

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FOR PAGINATION

Optimum Basin Management Program

Status Report 2008-1: January to June 2008

Introduction

This status report covers the period January 1, 2008 through June 30, 2008. The bulk of this report describes the activities that occurred and status of the work conducted for each program element of the Optimum Basin Management Program (OBMP). However, there are additional significant efforts that occurred during the reporting period, which are listed below.

In compliance with the Superior Court's "Order Concerning Motion for Approval of Peace II Documents," dated December 21, 2007, Conditions Subsequent Numbers 1-6 were filed with the Court as follows:

- Condition Subsequent 1, a brief to explain the amendments to Judgment Paragraph 8 and Judgment Exhibit "G," was filed on February 1, 2008.
- Condition Subsequent 2, a corrected initial schedule to replace Resolution No. 07-05 Attachment "E," together with an explanation of the corrections made, was filed on February 1, 2008.
- Condition Subsequent 3, a new Hydraulic Control technical report that addressed all factors included in the Special Referee's Final Report and Recommendations (including a technical analysis of the projected decline in safe yield, and a definition and analysis of "new equilibrium" issues), was filed on March 3, 2008.
- Condition Subsequent 4, the status of CEQA documentation, compliance, and requirements, and assurances to the Court that Watermaster's approval and participation in any project that is a "project" for CEQA purposes has been or will be subject to all appropriate CEQA review, was filed on April 1, 2008.
- Condition Subsequent 5, a detailed outline of the scope and content of its first Recharge Master Plan update, was filed on June 30, 2008.
- Condition Subsequent 6, the development of standards and criteria by which the RWQCB will determine that hydraulic control is achieved and maintained, was filed on June 30, 2008.

In addition, the following court hearings and orders occurred during the reporting period:

- January 10, 2008: Notice of Change of Firm Name [from Hatch & Parent to Brownstein Hyatt Farber Schreck].
- February 14, 2008: Stipulation to Continue Defendant City of Chino's Motion Under Paragraph 15.
- April 11, 2008: Response to Watermaster's Compliance with Conditions Subsequent Numbers Three and Four of the Court's December 21, 2007 Order; Request for Additional Time to Evaluate Watermaster's Compliance with Condition Subsequent Number Three; and Withdrawal of Monte Vista Water District's Joinder to Watermaster's Motion for Approval of Peace II Documents; AND Declaration of Mark Kinsey; AND Motion Requesting Approval of Intervention of the Riboli Family/San Antonio Winery and Fuji Natural Foods, Inc.
- April 17, 2008: Comments of Special Referee on Watermaster Compliance with December 21, 2007 Order Conditions 1 through 4.
- April 25, 2008: Watermaster's Response to Comments of Special Referee on Watermaster Compliance with December 21, 2007 Order Conditions 1 through 4.
- April 29, 2008: Cucamonga Valley Water District's Joinder to Watermaster's Response to Comments of Special Referee on Watermaster Compliance with December 21, 2007 Order Conditions 1 through 4.
- May 2, 2008: Joint Response of Western Municipal Water District and Inland Empire Utilities Agency and Joinder to Chino Basin Watermaster's Response to Watermaster Compliance with December 21, 2007 Order Conditions 1 through 4; AND Declaration of Tom Dodson in Support of Joint Response of Western Municipal Water District and Inland Empire Utilities Agency and Joinder to Chino Basin Watermaster's Response to Watermaster Compliance with December 21, 2007 Order Conditions 1 through 4.
- June 30, 2008: Cucamonga Valley Water District's Notice of Motion and Motion to Discontinue the Appointment of the Special Referee.

Program Element 1: Develop and Implement a Comprehensive Monitoring Program

Groundwater Level Monitoring

Watermaster has three active groundwater level monitoring programs operating in the Chino Basin: 1) A semiannual basin-wide well monitoring program, 2) A key well monitoring program associated with the Chino I/II Desalter Well Fields and the Hydraulic Control Monitoring Program (HCMP), and 3) A piezometric monitoring program associated with land subsidence and ground fissuring in Management Zone 1 (MZ-1). The frequency of groundwater level monitoring varies with each program, depending on the needs of the data analyst. These groundwater level monitoring programs also rely on municipal producers, other government agencies, and private entities to supply their groundwater level measurements on a cooperative basis. Watermaster digitizes all these measurements and combines them into a relational database for general usage. During this period, Watermaster purchased and installed pressure transducers/data loggers at key wells; principally in the northern portions of Chino Basin where more detailed groundwater level data are needed.

Groundwater Quality Monitoring

During this reporting period no additional private wells were sampled. (All of the key wells were sampled during the previous reporting period.) Watermaster continued a comprehensive data collection program whereby water quality data from other sources are routinely collected, QA/QC'd, and loaded into Watermaster's database. These sources include the appropriators, DTSC, RWQCB, USGS, the Counties, and other cooperators.

Watermaster and the Inland Empire Utilities Agency (IEUA) are working closely with the Appropriative Pool members and their state-certified laboratories to obtain water quality data as an electronic data deliverable (EDD), which can be entered directly into Watermaster's relational database.

Groundwater-Production Monitoring

All active wells (except for minimum user wells) are now metered. Watermaster reads the agricultural production data from the meters on a quarterly basis and enters these data into Watermaster's relational database.

Surface Water Monitoring

Water Quality and Quantity in Recharge Basins. Watermaster measures the quantity and quality of storm and supplemental water entering the recharge basins. Pressure transducers or staff gauges are used to measure water levels during recharge operations. In addition to these quantity measurements, imported water quality values for State Water Project water are obtained from the Metropolitan Water District of Southern California (MWDSC) and recycled water quality values for the RP-1 and RP-4 treatment plant effluents are obtained from IEUA. Watermaster monitors the storm water quality in the eight major channels (San Antonio, West Cucamonga, Cucamonga, Deer Creek, Day Creek, San Sevaine, West Fontana, and DeClez) usually after each major storm event. Combining the measured flow data with the respective water qualities enables the calculation of the blended water quality in each recharge basin, the "new yield" to the Chino Basin, and the adequate dilution of recycled water.

Surface Water Monitoring in Santa Ana River (SAR). Watermaster measures the discharge of the river and selected water quality parameters to determine those reaches of the SAR that are gaining flow from Chino Basin and/or, conversely, those reaches that are losing flow into the Chino Basin. These bi-weekly flow and water quality measurements are combined with discharge data from permanent USGS and Orange County Water District (OCWD) stream gauges and discharge data from publicly owned treatment works (POTWs). These data are used along with groundwater modeling to assess the extent of hydraulic control.

HCMP Annual Report

In January 2004, the RWQCB amended the Water Quality Control Plan (Basin Plan) for the Santa Ana River Basin to incorporate an updated total dissolved solids (TDS) and nitrogen (N) management plan. The Basin Plan Amendment includes both "antidegradation" and "maximum benefit" objectives for TDS and nitrate-nitrogen for the Chino and Cucamonga groundwater management zones. The application of the "maximum benefit" objectives relies on Watermaster and IEUA's implementation of a specific program of projects and requirements, which are an integral part of the OBMP. On April 15, 2005, the RWQCB adopted resolution R8-2005-0064; thus approving the Surface Water

Monitoring Program and Groundwater Monitoring Program in support of maximum benefit commitments in the Chino and Cucamonga Basins.

Pursuant to the Basin Plan Amendment and the Watermaster/IEUA permit to recharge recycled water, Watermaster and IEUA have conducted groundwater and surface water monitoring programs. During this reporting period Watermaster measured 711 manual water levels at private wells throughout the Chino Basin, conducted two quarterly downloads at the 130 wells containing pressure transducers, and collected 70 groundwater quality samples, and 221 surface water quality samples. Quarterly Surface Water Monitoring Program reports that summarize data collection efforts were submitted to the RWQCB in January and April of 2008. An annual HCMP report for 2007 was submitted to the RWQCB in April 2008.

Chino Basin Groundwater Recharge Program

IEUA, Watermaster, Chino Basin Water Conservation District, and the San Bernardino County Flood Control District jointly sponsor the Chino Basin Groundwater Recharge Program. This is a comprehensive water supply program to enhance water supply reliability and improve the groundwater quality in local drinking water wells throughout the Chino Groundwater Basin by increasing the recharge of storm water, imported water, and recycled water. The recharge program is regulated under RWQCB Order No. R8-2007-0039 and Monitoring and Reporting Program No. R8-2007-0039.

Recharge Activities. On-going recycled water recharge occurred in the Hickory Basin during this reporting period, and a six month recycled water test recharge program concluded at the 7th and 8th Street basins in early 2008.

Monitoring Activities. Watermaster and IEUA collect weekly and bi-weekly water quality samples from basins that are actively recharging recycled water and from lysimeters installed within those basins. During this reporting period, approximately 218 basin and lysimeter samples were collected. Monitoring wells located downgradient of the recharge basins were sampled every two weeks during the reporting period for a total of about 62 samples.

Construction Activities. Lysimeters and monitoring wells associated with the 7th and 8th Street Basins were installed in the first half of fiscal year (FY) 2007/08. There have been no further construction activities since that time.

Reporting. Watermaster and IEUA completed the following required reports concerning the recharge program during the reporting period:

- 4Q07 Quarterly Report, submitted to the RWQCB – February 2008
- 1Q08 Quarterly Report, submitted to the RWQCB – May 2008
- 2007 Annual Report, submitted to the RWQCB – May 2008
- Brooks Basin Tracer Test Protocols Using Recycling Water, submitted to CDPH – June 2008

Land Surface Monitoring

Watermaster developed a multifaceted land surface monitoring program to develop data for a long-term management plan for land subsidence in Management Zone 1 (MZ-1). The monitoring program consisted of three main elements:

- An aquifer system monitoring facility consisting of multiple depth piezometers and a dual bore extensometer.
- The application of synthetic aperture radar interferometry (InSAR) to measure historical land surface deformation.
- Benchmark surveys to measure land surface deformation, "ground truth" the InSAR data, and evaluate effectiveness of the long term management plan.

In February 2006, Watermaster submitted the MZ-1 Summary Report, which contained Guidance Criteria to minimize subsidence and fissuring. The Guidance Criteria included a listing of Managed Wells and their owners subject to the criteria, a map of the so-called Managed Area, an initial threshold water level (Guidance Level) of 245 feet below the top of the PA-7 well casing, and a plan for ongoing monitoring and notification. The MZ-1 Summary Report and the Guidance Criteria were adopted by the Watermaster Board in May 2006. The Guidance Criteria formed the basis for the MZ-1 Plan, which was approved by Watermaster in October 2007. The Court approved the MZ-1 Plan in November 2007 and ordered its implementation.

During this reporting period, Watermaster began implementation of the MZ-1 Plan, which includes:

- Continuing the scope and frequency of monitoring that was implemented during the IMP within the Managed Area.
- Expanded monitoring of the aquifer system and land subsidence in other areas of MZ-1 and Chino Basin where the IMP indicated concern for future subsidence and ground fissuring.
- Detailed monitoring of horizontal strain across the historical fissure zone.
- Further evaluation of the potential contribution of pumping in the central and northern portions of MZ-1 on groundwater conditions in the central and southern portions of MZ-1.
- Additional testing and monitoring to refine the Guidance Criteria.
- Development of alternative pumping plans for the MZ-1 producers that are impacted by the MZ-1 Plan.
- Construction and testing of a lower-cost extensometer facility at Ayala Park.
- Evaluation and comparison of ground-level surveying and InSAR, and recommendation for future monitoring by both techniques.
- An ASR (aquifer injection and recovery) feasibility study at a production well owned by the City of Chino Hills within the Managed Area.

The continued and expanded monitoring elements of the MZ-1 Plan (first and second bullets above) are currently being implemented. The scopes of work and cost estimates for the remaining elements of the plan (last seven bullets) were developed by the MZ-1 Technical Committee during this reporting period and recommended for implementation in 2008 and beyond. These recommendations and supporting documentation were forwarded to Watermaster and were approved and included in the FY 2008/09 budget.

In June 2008, the City of Chino Hills was awarded grant funding from DWR's Local Groundwater Assistance Fund for $214,000 for the ASR feasibility study (last bullet above). This grant funding could be raised to $250,000 by the DWR. Watermaster composed the grant application, and the grant funds will offset Watermaster's expenditures for the ASR feasibility study.

Program Element 2: Develop and Implement a Comprehensive Recharge Program

Construction on the Chino Basin Facilities Improvement Project (CBFIP) Phase I was completed by December 31, 2005 at a cost of $38M; 50-percent from a SWRCB Proposition 13 Grant, and 25-percent each from Watermaster and IEUA. A CBFIP Phase II list of projects was developed by Watermaster and IEUA, including monitoring wells, lysimeters, recycled water connections, SCADA system expansions, three MWDSC turnouts, and berm heightening and hardening. At a cost of approximately $10.5M, these Phase II facilities will be financed through a 50-percent Grant from DWR and 25-percent each from Watermaster and IEUA.

In FY 2005/06, the CBFIP Phase I facilities were able to recharge approximately 49,000 AF of storm and supplemental water. With the completion of the Phase II facilities by December 31, 2008, the total recharge capacity will be about 96,000 AF. By the start of FY 2009/10, most of the basins will be able to operate on a 12 months-per-year basis with combinations of storm, imported, and recycled water, with occasional downtime for silt and organic growth removal. Operations and basin planning are coordinated through the Groundwater Recharge Coordinating Committee (GRCC), which met quarterly during this reporting period.

Because of the drought and Delta water quality, water supply, and environmental issues, MWDSC has been unable to provide replenishment water to southern California since May 1, 2007. This greatly restricts Watermaster's ability to recharge recycled water, since the California Department of Public Health requires that one part of diluent water (imported or storm water) be blended with each part of recycled water. For this reporting period, just under 8,500 AF of storm and recycled water have been recharged.

Preparation of the Recharge Master Plan update in underway, in satisfaction of Condition Subsequent No. 5. On March 28, 2008, the initial meeting of the group occurred. A detailed outline of the scope and content of the Recharge Master Plan update was filed with the Court for approval on June 30, 2008. Progress reports on the completion of the updated plan are to be submitted on January 1, 2009 and July 1, 2009, with the final updated Recharge Master Plan due to the Court by July 1, 2010. The Recharge Master Plan update will be the primary focus of the upcoming Strategic Planning Conference, to be held in late September 2008.

Program Element 3: Develop and Implement Water Supply Plan for the Impaired Areas of the Basin; and

Program Element 5: Develop and Implement Regional Supplemental Water Program

Construction of the Chino I Desalter Expansion and the Chino II Desalter facilities was completed in February 2006. As currently configured, the Chino I Desalter provides 2.6 MGD of treated (air stripping for VOC removal) water from Wells Nos. 1-4, 4.9 MGD of treated (ion exchange for nitrate removal) water from Well Nos. 5-15, and 6.7 MGD of treated (reverse osmosis for nitrate and TDS removal) water from Wells Nos. 5-15 for a total of 14.2 MGD (15,900 AFY). The Chino II Desalter provides 4.0 MGD of ion exchange treated water and 6.0 MGD of reverse osmosis treated water from eight additional wells for a total of 10.0 MGD (11,200 AFY).

Negotiations are currently underway between the Chino Desalter Authority and Western Municipal Water District to allow WMWD to join the CDA and to expand the Chino II Desalter by 10.5 MGD (11,800 AFY). Raw water will be drawn from existing CDA II wells, and possible additional new wells if needed. In addition, a new Chino Creek Well Field, required for hydraulic control, will provide additional raw water to the Chino I Desalter, enabling existing Well Nos. 13, 14, and 15 to shift production to the expanded Chino II Desalter facility if needed.

Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1 and Management Zone 3

MZ-1 Management Plan

Because of the historical occurrence of pumping-induced land subsidence and ground fissuring in southwestern Chino Basin (southern MZ-1), the OBMP called for the development and implementation of an interim management plan for MZ-1 that would:

- Minimize subsidence and fissuring in the short-term,
- Collect information necessary to understand the extent, rate, and mechanisms of subsidence and fissuring, and
- Formulate a management plan to reduce to tolerable levels or abate future subsidence and fissuring.

From 2001-2005, Watermaster developed, coordinated, and conducted an Interim Monitoring Program (IMP) under the guidance of the MZ-1 Technical Committee, which is composed of representatives from all major MZ-1 producers and their technical consultants. The IMP was an aquifer-system and land subsidence investigation focused in the southwestern region of MZ-1 that would support the development of a long-term management plan to minimize and abate subsidence and fissuring (MZ-1 Plan). The IMP involved the construction of highly-sophisticated monitoring facilities, such as deep borehole extensometers and piezometers, the monitoring of land surface displacements through traditional ground-level surveys and remote-sensing techniques, the detailed monitoring of the aquifer system with water-level-recording transducers installed at an array of production and monitoring wells, and the purposeful stressing of the aquifer system through multiple controlled pumping tests.

The investigation methods, results, and conclusions are described in detail in the MZ-1 Summary Report, dated February 2006. The investigation provided enough information for Watermaster to develop Guidance Criteria for the MZ-1 producers in the investigation area that, if followed, would minimize the potential for subsidence and fissuring during the completion of the MZ-1 Plan. The MZ-1 Summary Report and the Guidance Criteria were adopted by the Watermaster Board in May 2006. The Guidance Criteria formed the basis for the MZ-1 Plan, which was approved by Watermaster in October 2007. The Court approved the MZ-1 Plan in November 2007 and ordered its implementation.

MZ-3 Monitoring Program

The former Kaiser plume has been incorporated into an overall monitoring program for the MZ-3 area. The MZ-3 monitoring program is also assessing the groundwater quality impairment from total dissolved solids (TDS), nitrate, and perchlorate. The perchlorate may have originated from the Mid-Valley Landfill (in Rialto Basin, across the Rialto-Colton fault) or it may be a non-point source that resulted from the historical application of Chilean fertilizer. Two rounds of quarterly samples (February and May 2008) have been collected from the two new monitoring wells constructed in 2007. Results from the entire monitoring program for MZ-3 will be presented in the final report, to be completed by December 2008.

Program Element 6: Develop and Implement Cooperative Programs with the Regional Water Quality Control Board, Santa Ana Region (Regional Board) and Other Agencies to Improve Basin Management; and

Program Element 7: Develop and Implement a Salt Management Program

A Water Quality Committee meeting was held on February 12, 2008 to discuss the status of the investigations of the three major water quality plumes (Chino Airport, Ontario Airport, and Stringfellow Hazardous Waste site) in the Basin and provide an update on the MZ-3 monitoring program. Following are the major technical accomplishments and activities for Program Elements 6 and 7 for the reporting period:

Ontario International Airport. Watermaster coordinated with Lynne Preslo at EcoGeo and Roy Marroquin at GeoTrans, Inc. regarding the drilling schedule for the OIA monitoring wells and Watermaster technical input on well design. Watermaster prepared for and attended a meeting with GeoTrans on March 7, 2008 to discuss drilling coordination and also attended a site walk with GeoTrans on April 17, 2008 at OIA MW-3. Watermaster reviewed and approved the well designs for OIA MW-1 and OIA MW-3. Watermaster reviewed a letter from Northrop describing their historical operations at the Ontario International Airport.

Chino Airport. Watermaster prepared for and attended a meeting at the City of Ontario on May 22, 2008. The meeting was attended by the staff of Watermaster and the City of Ontario, as well as Watermaster consultants and the consultants to the County of San Bernardino Department of Airports. The purpose of the meeting was to inform the County's consultant about the direction that the Chino Desalter Authority (CDA) and Watermaster were taking concerning the proposed alignment of the Chino Creek Desalter Well Field and the schedule. Watermaster reviewed the Chino Airport "Offsite Well Installation Work Plan" and the quarterly report.

California Institute for Men. Watermaster reviewed a letter from the California Institute for Men (CIM) to the Regional Water Quality Control Board (RWQCB) requesting site closure. Watermaster prepared a response to the RWQCB stating that No Further Action was not appropriate and recommended that the monitoring program continue, but at a reduced level of effort. Groundwater elevations in key wells should be measured and maps of groundwater elevation contours should be developed by CIM annually to demonstrate that the plume continues to be contained hydraulically. Certain key monitoring wells should also be sampled for VOCs every three years to further demonstrate that the plume is not migrating off-site. Watermaster stated that it would be amenable to working with CIM in developing the new monitoring program.

Crown Coach. Watermaster reviewed documentation (including site data and maps), prepared comments, and recalculated expected salt concentrations related to their proposed in situ treatment. Watermaster coordinated with Mr. Uday Shah at the City of Ontario to obtain unit O&M costs associated with the desalter to understand the economic impacts of Crown Coach's proposed remediation. Watermaster participated in a teleconference with the RWQCB and composed a comment letter to the RWQCB. The conclusion of this letter states,

> "Watermaster recognizes that the proposed project will reduce the mass of volatile organic chemicals (VOCs) in groundwater at the site by enhancing bioremediation during the interim period while the site is being developed. We also recognize that the addition of 14 pounds of sodium chloride salt into the basin represents a de minimus impact. Watermaster would like to state, for the record, that should this project – or other projects proposed by other stakeholders – produce a significant salt load to the groundwater basin, Watermaster has the option to seek compensation to offset the considerable expense already borne by the Parties.
>
> Watermaster would also like an assurance that this site will continued to be monitored to ensure that the VOC plume does not migrate off-site and that, if the site warrants the re-installation and operation of an active remediation system, the Regional Board will enforce the current order issued to Crown Coach."

Santa Ana River Perchlorate Sampling. Watermaster compiled perchlorate data for samples collected in the Santa Ana River and its tributaries and began analyzing recent surface water samples at a lower detection limit (0.5 µg/L) to determine the presence/absence of perchlorate in surface water.

Program Element 8: Develop and Implement a Groundwater Storage Management Program; and

Program Element 9: Develop and Implement a Storage and Recovery Program

The existing Watermaster/IEUA/Metropolitan Dry Year Yield (DYY) program continued during the reporting period. The construction statuses of local facilities included in the DYY program for the participating parties are as follows:

- City of Ontario – Wellhead treatment (IX) facility: construction began in March 2008 and is anticipated to be completed by February 2009. DYY Wells: Equipping Well Nos. 44 and 52 began in March 2008 and is anticipated to be completed by January 2009.
- Cucamonga Valley Water District – Five new wells (Nos. 39-43): construction completed for Well Nos. 39-42 and Well No. 43 is anticipated to be completed in September 2008.
- City of Upland – New IX treatment facility constructed and online.
- City of Pomona – Expansion of existing IX treatment facility is complete, a permit to operate has been issued, and the facility is fully functioning.
- City of Chino Hills – The original intent to Refurbish the Pellisier well did not yield the results the City was hoping to achieve. As a result, in January 2008, the DYY grant money and shift obligation was transferred to MVWD's Well No. 32.
- Monte Vista Water District – Well No. 31: well construction completed July 2006 and well equipping is scheduled for completion in September 2008. Well No. 32 is substantially complete. Well No. 33 and treatment facility (joint MVWD/Chino project): Well construction is complete and treatment facility construction is underway, with completion scheduled for November 2008.
- Jurupa Community Services District – Expansion of the Teagarden IX facility completed and online.

Due to the current drought situation, Metropolitan ceased allowing deposits into the account on April 1, 2007. As of June 30, 2008, about 86,000 AF had been stored in the Basin in Metropolitan's DYY account, after accounting for losses. On May 1, 2008, Metropolitan called for the parties to begin withdrawing water from the DYY account in the total amount of 33,000 AF per 12-month period.

Discussions have been underway with Metropolitan since September 2007 to increase the DYY account to 150,000 AF. Feasibility studies are currently being performed by Black & Veatch and Wildermuth Environmental Inc.

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

B. BUDGET AMENDMENT

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: **September 11, 2008**
September 16, 2008
September 25, 2008

TO: **Committee Members**
Watermaster Board Members

SUBJECT: **Proposed Budget Amendment Request**

SUMMARY

Recommendation - Staff recommends that the Pools, Advisory Committee, and Board to consider approval of the attached Budget Amendment.

DISCUSSION:

Each fiscal year, Watermaster budgets money to contribute to the debt service related to the Phase 1, Recharge Improvement Project. The amount budgeted by Watermaster each year is obtained from IEUA during the budget process and invoiced to Watermaster at the beginning of each fiscal year. IEUA in turn holds the money until the payment is due at the end of the fiscal year.

This year, the budget amount provided to Watermaster was $360,000, but the invoice came in at $511,594 which requires a budget amendment in the amount of $151,594.

Watermaster plans to revisit the budget and the status of projects to determine the need to update budgeted amounts which would be reflected in the final assessment package distributed in November 2008. Because the "pre-assessment package budget review" has not yet been performed, it is currently unclear whether this proposed budget amendment will result in increases to the ultimate assessments that are greater than originally was estimated when the budget was approved.

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CHINO BASIN WATERMASTER

BUDGET AMENDMENT

To: **All Parties** Fiscal Year 2008-2009

From : Sheri Rojo Date: September, 2008

Describe reason for the budget amendment here: The amount of the debt service budgeted based on estimate was $360,000. Based on invoice received from IEUA, amount due = $511,594.33 based on current interest rates.

Expenditure Amendment

Line Item Description	*Account Number*	*Original Budget*	*Amended Budget*	*Amendment Amount*
Recharge Debt Payment	7690	$ 360,000	$ 511,594	$ 151,594
			TOTAL:	**$ 151,594**

Revenue Source

Line Item Description	*Account Number*			*Amount*
Assessment Increase				$ 151,594
			TOTAL:	**$ 151,594**

Amendment Procedure

1. Staff takes amendment requests to the Pools, Advisory Committee & Board for approval.
2. The Chief Financial Officer will prepare and process the budget entry.
4. A log will be maintained by the Finance Department detailing the adjustment.
5. A fiscal year file will also be kept to hold all budget amendment forms for auditor review.

Finance Use Only

Date Board Approved _____

Entered into System By _____

Finance Log # _____

Date Posted _____

Approved By _____

Date Approved _____

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CHINO BASIN WATERMASTER

II. BUSINESS ITEMS

C. INLAND EMPIRE UTILITIES AGENCY DRY YEAR YIELD REPORT BY IEUA STAFF

Inland Empire
UTILITIES AGENCY *

6075 Kimball Avenue • Chino, CA 91710
P.O. Box 9020 • Chino Hills, CA 91709
TEL (909) 993-1600 • FAX (909) 597-8875
www.ieua.org
* A Municipal Water District

DYY Participants,

This is a follow-up letter to the water demand forecast meetings that have taken place over the past month. Again, thank you for taking the time to meet and discuss.

As part of the DYY Expansion Program, we are required to complete the CEQA process by December 2008. Part of the CEQA requires developing groundwater modeling scenarios, which will be completed by Wildermuth Environmental Inc. (WEI), and will describe possible effects to the Chino Basin through the DYY Program. An essential part of the modeling is entering water demand forecast data. Attached is a spreadsheet that contains the DRAFT demand forecasts. WEI will be using the final version for their modeling scenarios. (The forecasts do not take into account the current DYY "call" or MWD's Water Allocation Plan.)

Given our project schedule, any comments/edits to the data must be to be no later than next **Wednesday August 27th** in order to give WEI and Tom Dodson the necessary time to complete their tasks. Please let me know if you have any questions/concerns.

Sincerely,

Inland Empire Utilities Agency
Richard Atwater
CEO/General Manger

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Fontana Water Company - Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	14,500.00	13,500.00	12,500.00	11,000.00	10,000.00	10,000.00	10,000.00	11,000.00	11,500.00	12,000.00	12,500.00
Other Basin Groundwater	16,500.00	14,000.00	13,000.00	12,000.00	11,000.00	11,000.00	11,000.00	12,000.00	13,000.00	13,500.00	14,000.00
Imported Water	10,000.00	12,000.00	14,000.00	16,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00
Surface Water	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	5,000.00	6,000.00	6,000.00	6,000.00
Recycled Water	1,000.00	2,500.00	3,500.00	5,000.00	5,500.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00
Desalter Water	-	-	-	-	-	-	-	-	-	-	-
TOTAL	46,500.00	46,500.00	47,500.00	48,500.00	49,000.00	49,500.00	49,500.00	52,000.00	54,500.00	55,500.00	56,500.00

Cucamonga Valley Water District - Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00	15,000.00
Other Basin Groundwater	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Imported Water	35,000.00	33,000.00	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00	32,000.00
Surface Water	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00
Recycled Water	1,000.00	3,000.00	4,000.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00	4,500.00
Desalter Water	-	-	-	-	-	-	-	-	-	-	-
TOTAL	59,000.00	59,000.00	59,000.00	59,500.00	59,500.00	59,500.00	59,500.00	59,500.00	59,500.00	59,500.00	59,500.00

Monte Vista Water District - Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	20,000.00	16,000.00	16,000.00	16,000.00	16,000.00	16,000.00	17,000.00	18,500.00	20,000.00	21,500.00	21,500.00
Other Basin Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported Water	6,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00	11,000.00
Surface Water	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	150.00	300.00	400.00	400.00	400.00	400.00	400.00	450.00	500.00	500.00	500.00
Desalter Water	-	-	-	-	-	-	-	-	-	-	-
TOTAL	26,150.00	27,300.00	27,400.00	27,400.00	27,400.00	27,400.00	28,400.00	29,950.00	31,500.00	33,000.00	33,000.00

City of Upland- Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	1,433.00	1,284.00	1,284.00	2,140.00	2,140.00	2,140.00	2,140.00	2,140.00	2,140.00	2,140.00	2,140.00
Other Basin Groundwater	6,810.00	6,420.00	6,420.00	6,420.00	6,420.00	6,420.00	6,420.00	6,420.00	6,420.00	6,420.00	6,420.00
Imported Water	6,345.00	5,778.00	5,564.00	4,494.00	4,494.00	4,494.00	4,280.00	4,280.00	4,280.00	4,280.00	4,280.00
Purchased Water (SAWCO)	8,895.00	7,918.00	7,918.00	7,918.00	7,704.00	7,490.00	7,490.00	7,490.00	7,490.00	7,490.00	7,490.00
Recycled Water	-	-	214.00	428.00	642.00	856.00	1,070.00	1,070.00	1,070.00	1,070.00	1,070.00
Desalter Water	-	-	-	-	-	-	-	-	-	-	-
TOTAL	23,483.00	21,400.00	21,400.00	21,400.00	21,400.00	21,400.00	21,400.00	21,400.00	21,400.00	21,400.00	21,400.00

City of Ontario - Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	26,000.00	25,000.00	24,000.00	23,000.00	23,000.00	23,000.00	23,000.00	26,000.00	28,000.00	30,000.00	30,000.00
Other Basin Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported Water	12,000.00	12,000.00	12,000.00	12,000.00	11,500.00	11,000.00	11,000.00	12,000.00	12,000.00	12,000.00	12,000.00
Surface Water	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	4,000.00	5,000.00	6,000.00	7,000.00	8,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00
Desalter Water	5,000.00	5,000.00	5,500.00	5,500.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00	6,000.00
TOTAL	47,000.00	47,000.00	47,500.00	47,500.00	48,500.00	49,000.00	49,000.00	53,000.00	55,000.00	57,000.00	57,000.00

City of Chino - Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	8,000.00	7,000.00	6,500.00	5,750.00	5,250.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
Other Basin Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported Water	4,000.00	4,000.00	3,500.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
Surface Water	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	2,000.00	3,000.00	4,000.00	5,000.00	5,500.00	5,500.00	5,500.00	6,000.00	6,000.00	6,000.00	6,000.00
Desalter Water	5,500.00	5,500.00	5,500.00	6,000.00	6,000.00	6,500.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00
TOTAL	19,500.00	19,500.00	19,500.00	19,750.00	19,750.00	20,000.00	20,500.00	21,000.00	21,000.00	21,000.00	21,000.00

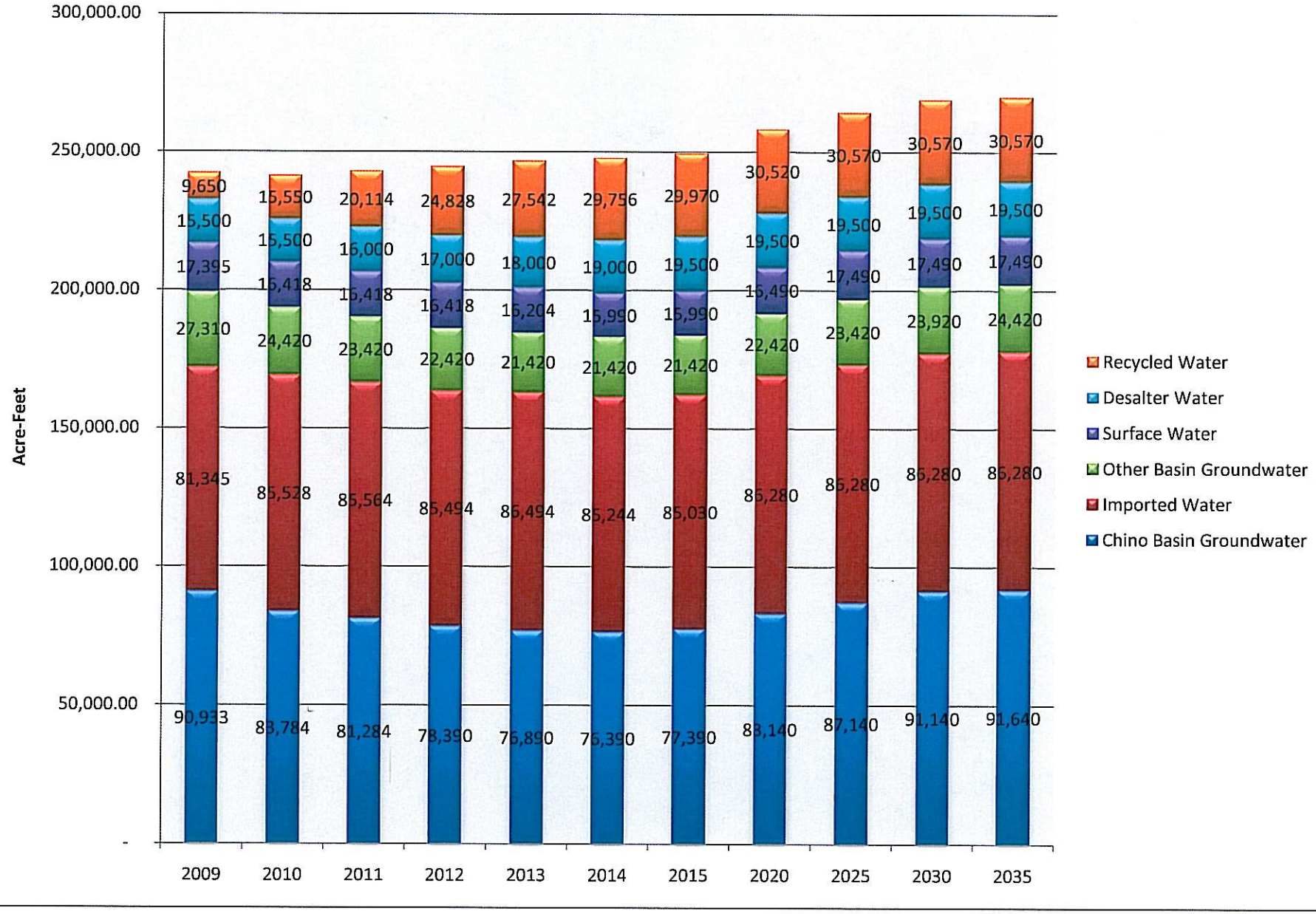
City of Chino Hills - Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	6,000.00	6,000.00	6,000.00	5,500.00	5,500.00	5,250.00	5,250.00	5,500.00	5,500.00	5,500.00	5,500.00
Other Basin Groundwater	-	-	-	-	-	-	-	-	-	-	-
Imported Water	8,000.00	7,750.00	7,500.00	7,000.00	6,500.00	5,750.00	5,750.00	6,000.00	6,000.00	6,000.00	6,000.00
Surface Water	-	-	-	-	-	-	-	-	-	-	-
Recycled Water	1,500.00	1,750.00	2,000.00	2,500.00	3,000.00	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00	3,500.00
Desalter Water	5,000.00	5,000.00	5,000.00	5,500.00	6,000.00	6,500.00	6,500.00	6,500.00	6,500.00	6,500.00	6,500.00
TOTAL	20,500.00	20,500.00	20,500.00	20,500.00	21,000.00	21,000.00	21,000.00	21,500.00	21,500.00	21,500.00	21,500.00

TOTAL IEUA - Water Demand Projections

Source of Water Use	2009	2010	2011	2012	2013	2014	2015	2020	2025	2030	2035
Chino Basin Groundwater	90,933.00	83,784.00	81,284.00	78,390.00	76,890.00	76,390.00	77,390.00	83,140.00	87,140.00	91,140.00	91,640.00
Other Basin Groundwater	27,310.00	24,420.00	23,420.00	22,420.00	21,420.00	21,420.00	21,420.00	22,420.00	23,420.00	23,920.00	24,420.00
Imported Water	81,345.00	85,528.00	85,564.00	85,494.00	86,494.00	85,244.00	85,030.00	86,280.00	86,280.00	86,280.00	86,280.00
Surface Water	17,395.00	16,418.00	16,418.00	16,418.00	16,204.00	15,990.00	15,990.00	16,490.00	17,490.00	17,490.00	17,490.00
Recycled Water	9,650.00	15,550.00	20,114.00	24,828.00	27,542.00	29,756.00	29,970.00	30,520.00	30,570.00	30,570.00	30,570.00
Desalter Water	15,500.00	15,500.00	16,000.00	17,000.00	18,000.00	19,000.00	19,500.00	19,500.00	19,500.00	19,500.00	19,500.00
TOTAL	242,133.00	241,200.00	242,800.00	244,550.00	246,550.00	247,800.00	249,300.00	258,350.00	264,400.00	268,900.00	269,900.00

IEUA Water Demand Forecast



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CHINO BASIN WATERMASTER

III. REPORTS/UPDATES

A. WATERMASTER GENERAL LEGAL COUNSEL REPORT

2. LRP Funding Agreement

AGREEMENT NO. 93343
CHINO BASIN DESALINATION PROGRAM, PHASE II
JOINT PARTICIPATION AGREEMENT FOR RECOVERY, TREATMENT AND UTILIZATION OF CONTAMINATED GROUNDWATER AMONG THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA, THE WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY, INLAND EMPIRE UTILITY AGENCY, AND CHINO BASIN DESALTER AUTHORITY

THIS AGREEMENT is made and entered into as of July 1, 2007, by and among THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA (hereinafter "Metropolitan"), WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY (hereinafter "WMWD"), INLAND EMPIRE UTILITIES AGENCY (hereinafter "IEUA), and CHINO BASIN DESALTER AUTHORITY (hereinafter "CDA").

RECITALS

A. Metropolitan was incorporated under the Metropolitan Water District Act ("Act") for the purpose of developing, storing, and distributing water for domestic and municipal purposes.

B. The Act empowers Metropolitan to acquire water and water rights within or without the State; develop, store and transport water; provide, sell and deliver water at wholesale for domestic and municipal uses and purposes; fix water rates, acquire, construct, operate and maintain any and all works, facilities, improvements and property necessary or convenient to the exercise of the powers granted by the Act.

C. WMWD and IEUA, as member public agencies of Metropolitan under the Act, are wholesale purchasers within its service area of water developed, stored, and distributed by Metropolitan.

D. CDA is a California joint powers agency comprised of IEUA, the Jurupa Community Services District, the Santa An River Water Company, and the cities of Chino, Chino Hills, Norco, and Ontario. CDA was formed by these entities pursuant to the Joint Exercise of Powers Agreement Creating the CHINO DESALTER AUTHORITY, dated as of September 25, 2001 for the purpose of jointly exercising powers to own, operate and maintain water desalting facilities in the lower part of the Chino Basin.

E. Metropolitan's water supply and demand projections for its service area, including that encompassed by WMWD and IEUA, show that additional sources of water must be developed to meet future needs.

F. Metropolitan, WMWD and IEUA and CDA have determined that it is mutually beneficial for local projects originating in the service areas of WMWD and IEUA be developed as a supplement to Metropolitan's imported water supplies in order to meet future water needs.

G. CDA owns and operates the Chino Basin Desalination Program, Phase II (Project), which commenced operation June 30, 2006. The Project treats approximately 15,000 acre-feet per year of contaminated groundwater from the Chino Groundwater Basin for domestic and municipal purposes.

H. Metropolitan, in accordance with its Integrated Resources Plan, and Board Letter 7-11, dated June 12, 2007 and attached hereto as Exhibit "A", desires to assist WMWD, IEUA and CDA with the cost of a study to expand water storage in Chino Basin and, if the expansion is implemented, with the cost of that expansion, under the Chino Basin Groundwater Storage Agreement, AGREEMENT NO. 49960 (Storage Agreement) executed in June 2003, attached hereto as Exhibit "B", between Metropolitan, The Chino Basin Watermaster, Three Valleys Municipal Water District and IEUA.

I. In return for Metropolitan's financial assistance for the study to expand water storage in Chino Basin and, if the expansion is implemented, with the cost of that expansion, WMWD, IEUA and CDA desire to eliminate the Metropolitan losses provision in the Storage Agreement, and to comply with the provisions of Board Letter 7-11, Exhibit "A", and the terms of this Agreement.

J. This agreement is part of a group of agreements intended to better integrate the various elements of several related programs that all have an impact on the production and beneficial utilization of the Chino Groundwater Basin. Through coordination of resources and operations, Metropolitan's Conjunctive Use Program, Local Resources Programs, which include the Groundwater Recovery Program and Recycled Water Program, can provide benefits for the region. An aspect or change in one program may impact one or more of these other programs. In addition to the current agreement, two other agreements are either being prepared or have been executed. These three agreements are summarized as follows:

1. Chino Basin Desalination Program, Phase II, under which Metropolitan pays an incentive payment for water produced by existing facilities constructed without Metropolitan financial support as part of support for a study, and possible construction, of facilities to expand the amount of water Metropolitan can store in Chino Basin. This agreement expires after two years if the existing storage agreement is not amended for a planned expansion and after five years if the amendments under the storage agreement have not been implemented.

2. The Chino Basin Groundwater Study, Agreement No. 88734, to explore possible expansion of the existing Metropolitan's Conjunctive Use Program for the storage of water in Chino Basin.

3. An Amendment to Metropolitan's Chino Basin Groundwater Storage Conjunctive Use Program to eliminate Metropolitan's responsibility for loss of water held in the Metropolitan's storage account under that agreement.

Three other existing related agreements involving storage of groundwater in Chino Basin are:

1. Chino Basin Groundwater Storage – under the Conjunctive Use Program, Agreement No. 49960, between Metropolitan, Inland Empire Utilities Agency, Three Valleys Municipal Water District, Chino Basin Watermaster, June 19, 2003.

2. Chino Basin Desalination Program, Phase I – a Groundwater Recovery Project under the Local Resources Program, Agreement No. 4912, between Metropolitan, Santa Ana Watershed Project Authority, Western Municipal Water District of Riverside County, Chino Basin Municipal Water District, Orange County Water District, December 7, 1995.

3. IEUA Regional Recycled Water Distribution System – a Recycled Water Project under the Local Resources Program, June 1996.

These existing agreements are included herein as Exhibits I, J, and K as any amendments to any of these agreements must be checked with the other agreements for consistency of overall program goals.

NOW, THEREFORE, in consideration of the promises and covenants herein set forth, the Parties do agree as follows:

Section 1. Definitions

The following words and terms, unless otherwise expressly defined in their context, shall be defined to mean:

1.1. "Allowable Yield" shall mean the amount of Recovered Groundwater that is delivered to End User by CDA from the Project in any fiscal year eligible to receive Metropolitan's financial assistance. Allowable Yield, measured in acre-feet, shall exclude any Recovered Groundwater Metropolitan reasonably determines will not reduce WMWD and IEUA's demand for Metropolitan's imported water. Metropolitan shall not be obligated to purchase in excess of 18,000 acre-feet (120 percent of the Project's approximate capacity), of Recovered Groundwater in any one fiscal year, unless otherwise agreed in writing. Allowable Yield shall exclude: (1) any non-Project water

conveyed through the Project facilities; (2) Allowable Yield from other projects with active or terminated LRP, Groundwater Recovery Program, or LPP agreements.

1.2. "Degraded Groundwater" shall mean groundwater that does not meet applicable drinking water quality standards such as those set forth in Division 4, Environmental Health of Title 22, California Code of Regulations, as amended from time to time, or any successor regulations.

1.3. "End User" shall mean each user that purchases Recovered Groundwater furnished by the Project, unless otherwise approved by Metropolitan.

1.4. "Fiscal year" shall mean Metropolitan fiscal year that begins on July 1 and ends on June 30.

1.5. "Final Groundwater Storage Program Contribution" shall mean the financial contribution by Metropolitan to the Project in dollars per acre-foot of Allowable Yield. The Final Groundwater Storage Program Contribution for the Project is equal to the sum of the Project Unit Cost and Deferred Cost minus Metropolitan's prevailing full service treated water rate, but shall not exceed $250 per acre-foot.

1.6. "Project" shall mean the Chino Basin Desalination Program, Phase II, owned and operated by CDA, as described in Exhibit C and incorporated herein by reference, consisting of facilities capable of producing and distributing the Allowable Yield. CDA shall notify Metropolitan prior to making any changes to the Project that require new environmental documentation other than addendum to the existing environmental documentation. After reviewing the proposed change and associated environmental documentation, Metropolitan shall inform WMWD and IEUA and CDA of Metropolitan's decision to include or exclude the Project change to this Agreement.

1.7. "Recovered Groundwater" shall mean all Degraded Groundwater recovered and delivered for beneficial use by the Project in a fiscal year.

1.8. "Replenishment Water" shall mean that water obtained from Metropolitan and used for the purpose of replenishing natural groundwater basins.

1.9. "Estimated Contribution" shall mean the advanced financial contribution in dollars per acre-foot Metropolitan pays for Allowable Yield to CDA for monthly billing purposes until the Final Groundwater Storage Program Contribution is calculated pursuant to procedures in Sections 4.2 and 5.2, respectively.

1.10. Project Unit Cost" shall mean the actual cost to produce an acre-foot of water by the Project in a fiscal year and is comprised of three components: Annualized Capital Component, Operation and Maintenance Component, and Annualized Replacement Component as specified in Exhibits D, E, and F, incorporated herein by this reference.

1.11. "Deferred Cost" shall mean that cost, in dollars per acre-foot, carried forward from the preceding fiscal year as calculated in Exhibit G, incorporated herein by this reference.

Section 2. Warranties

2.1. CDA warrants that the Project will continue to increase groundwater production for potable uses from the Chino Groundwater Basin and improve regional water supply reliability.

2.2. CDA warrants that it will continue to extract groundwater from the Chino Groundwater Basin to operate the Project subject to appropriative water rights.

2.3. CDA warrants that it is able and has a right to utilize and distribute Allowable Yield.

2.4. CDA warrants that it does not discriminate against employees or against any applicant for employment because of age, ancestry, color, creed, denial of family and medical care leave, mental or physical disability (including HIV and AIDS), marital status, medical condition, national origin, race, religion, sex or sexual orientation, and further warrants that it requires all contractors and consultants performing work on the Project to comply with all laws and regulations prohibiting discrimination against any applicant for employment because of age, ancestry, color, creed, denial of family and medical care leave, mental or physical disability (including HIV and AIDS), marital status, medical condition, national origin, race, religion, sex or sexual orientation.

2.5. CDA warrants that it has or will comply with the provisions of the California Environmental Quality Act for each and all components of the Project facilities.

Section 3. Ownership and Responsibilities

3.1. CDA is the sole owner of Project facilities. Metropolitan, WMWD and IEUA have no ownership right, title, security interest or other interest in the Project facilities.

3.2. CDA is solely responsible for all design, environmental documentation, right-of-way acquisitions, permits, construction, and cost of the Project and all modifications thereof.

3.3. CDA is solely responsible for operating and maintaining the Project in accordance with all applicable local, State, and federal laws. Metropolitan and WMWD and IEUA shall have no rights, duties or responsibilities for operation and maintenance of the Project.

3.4. CDA agrees to install, operate and maintain metering devices for the purpose of measuring the quantity of Allowable Yield delivered to its distribution system.

3.5. CDA agrees, at all times during the term of this Agreement, to use its best efforts to operate or cause the Project facilities to be operated to maximize Allowable Yield on a sustained basis.

Section 4. Billing Process

4.1. CDA shall invoice Metropolitan monthly for the Contribution based upon the Allowable Yield delivered to End Users during the previous month. After receiving CDA's invoice, Metropolitan shall include a credit equal to CDA's invoice amount on the next monthly water service invoice issued to WMWD and IEUA.

4.2 Upon receiving the Metropolitan invoice, WMWD and IEUA shall include the full amount of the credit received from Metropolitan pursuant to Section 4.1 as credit on its next water service invoice to CDA.

4.3. Unless otherwise provided for in this Agreement, all invoicing, billing and crediting processes shall be in accordance with the rules and regulations established from time to time by Metropolitan as reflected in Metropolitan's Administrative Code.

Section 5: Reconciliation Process

5.1. By December 31 of each fiscal year, CDA shall provide Metropolitan with: (a) records of Recovered Water and Allowable Yield; (b) supporting documentation of the actual cost of the Project for the previous fiscal year required to perform the calculations prescribed in Exhibits "D", "E", and "F"; (c) the terms and schedule of payments of the Project's financing instrument; and (d) a description of any changes to the Project's financing instruments. Metropolitan will suspend its Estimated Contribution if CDA fails to provide any of the above-required data by April First of each fiscal year. During the suspension period, CDA shall continue to invoice Metropolitan for the Allowable Yield for water accounting purposes. Metropolitan will resume the monthly Estimated Contribution once complete data is received and conduct the corresponding reconciliation pursuant to Section 5.2. Failure by CDA to provide reconciliation data within 18 months after the end of the fiscal year for which reconciliation is required shall constitute material breach of the Agreement.

5.2. Within 180 days after Metropolitan receives complete data from CDA, pursuant to Section 5.1, Metropolitan shall calculate the Final Contribution for the fiscal year. The Final Contribution shall then apply retroactively to all Allowable Yield for the applicable fiscal year. An adjustment shall be computed by Metropolitan for over- or under-payment for the Allowable Yield and included on the next billing issued to WMWD and IEUA and payments shall be made in accordance with Metropolitan's Administrative Code.

5.3. Parties agree that all contributions other than those derived from within WMWD and IEUA service area boundaries received prior to and during the term of this Agreement that offset eligible Project cost shall be deducted from respective cost components. During the reconciliation following receipt of such contributions, the Parties shall determine the equitable apportionment of such contributions for capital and/or operational purposes. If the Parties are unable to arrive at agreement, Section 6 shall apply.

Section 6: Coordinating Committee

6.1. The Coordinating Committee is composed of one participant each from Metropolitan, WMWD, IEUA, and CDA. The Coordinating Committee shall meet as needed to resolve issues regarding the Contribution, Annualized Capital Component, Operation and Maintenance Component, Annualized Replacement Component, and Project Unit Cost. Coordinating Committee's responsibilities exclude renegotiating the terms of this agreement.

6.2. The Coordinating Committee shall, to the extent possible, seek to establish consensus in carrying out its responsibilities. Metropolitan shall have one vote and WMWD, IEUA, and CDA shall collectively have one vote on the committee. If by voting the Coordinating Committee cannot resolve a particular matter or matters, a third party shall be appointed by the Parties to provide a third vote on the Committee, and the Coordinating Committee shall then act by majority vote as to the matter or matters. The Coordinating Committee's decision shall be final and binding on all Parties. If the Parties cannot agree on the third party, then any Party may request a court to appoint the third party pursuant to Code of Civil Procedure, Section 1281.6. Costs for the third party shall be paid equally by Parties, and shall not be included in the Project Unit Cost.

Section 7: Term and Amendments

7.1. This Agreement shall commence on July 1, 2007 and terminate on June 30, 2032 unless terminated earlier pursuant to the provisions set forth in the sections below.

7.2. This Agreement may be amended at any time by written mutual agreement of the parties.

7.3. CDA may terminate this Agreement upon 30 days prior notice.

7.4 Consistent with Met Board Letter 7-11, dated June 12, 2007 and included hereto as Exhibit "A", Metropolitan will terminate this Agreement upon 30 days prior notice upon the following occurrences, whichever occurs first, unless these deadlines are subsequently extended by Metropolitan's Board:

(a) on September 1, 2009 (two years from September 1, 2007) if the parties have not amended Agreement No. 49960 (Groundwater Storage Program Funding Agreement) to expand the groundwater storage program as contemplated in Exhibit "A".

(b) on September 1, 2009 (two years from September 1, 2007) if the parties have not amended Agreement No. 49960 (Groundwater Storage Program Funding Agreement) to eliminate losses to the Metropolitan Storage Account contemplated in Agreement No. 49960 section VI.C.1.c. retroactive to September 1, 2007 and for the term of Agreement No. 49960 for the expanded storage program, as amended from time to time.

(c) on September 1, 2012 (five years from September 1, 2007) if the parties have not implemented the actions defined in the amended Agreement No. 49960 (Groundwater Storage Program Funding Agreement). Implemented, for purposes of this section means: completed construction for all facilities and signed all agreements necessary for performance of the expanded Groundwater Storage Program set forth in the amendment to Agreement No. 49960.

7.5 Metropolitan will terminate this agreement upon 30 days prior notice upon the following occurrences:

(a) breach of this Agreement by any other party, other than Metropolitan.

(b) If the Project does not continue to produce at least 10,000 acre-feet per year.

(c) breach of Agreement No. 49960 (Groundwater Storage Program Funding Agreement) by any other party, other than Metropolitan.

Section 8: Record Keeping and Audit

8.1. CDA shall establish and maintain accounting records of all costs incurred for the construction, operation and maintenance, and replacement parts of the Project as described in Exhibits "D", "E", and "F" and all contributions as described in Section 5.3. Accounting for the Project shall utilize generally accepted accounting practices and be consistent with the terms of this Agreement. CDA's Project accounting records must clearly distinguish all costs for the Project from CDA's other water production, treatment, and distribution costs. CDA's records shall also be adequate to determine Allowable Yield and Recovered Groundwater to accomplish all cost calculations described in this Agreement.

8.2. CDA shall establish and maintain accounting records of all contributions including grants that offset eligible Project capital costs, operation and maintenance costs, and/or replacement costs, as outlined in Section 5.3.

8.3. CDA shall collect Recovered Water and Allowable Yield data for each fiscal year of Project operation and retain records of that data based on the metering requirements in Section 3.4.

8.4. Metropolitan shall have the right to audit all Project costs and other data relevant to the terms of this agreement for a period of three fiscal years following the termination of this Agreement. Metropolitan may elect to have such audits conducted by its staff or by others, including independent accountants, as designated by Metropolitan. CDA shall make available for inspection to Metropolitan or its designee, upon 30 days advance notice, all records, books and other documents, including all billings and costs incurred by contractors, relating to the construction, operation and maintenance of the Project; any grants and contributions, as described in Exhibits "D", "E", and "F"; and capital cost financing. Upon 30 days advance notice and at Metropolitan's request, CDA shall also allow Metropolitan's personnel or its designee to accompany CDA staff in inspecting

CDA's contractors' records and books for the purpose of conducting such audits of Project costs.

8.5. In lieu of conducting its own audit(s), Metropolitan shall have the right to direct CDA to have an independent audit conducted of all Project costs incurred in any fiscal year(s) pursuant to this Agreement. CDA shall then have an audit performed for said fiscal year (s) by an independent certified public accounting firm and provide Metropolitan copies of the audit report within six months after the date the audit was requested. The cost of any independent audit performed under this agreement shall be paid by CDA and is an allowable Project operation and maintenance cost pursuant to Exhibit "E". Based on the results of any independent audit, an adjustment for over or under payment of Allowable Yield for each applicable fiscal year shall be paid by Metropolitan or CDA through WMWD and IEUA within one year of determination after such adjustment.

8.6. With the first submittal of Project data as required by Section 5, CDA shall provide Metropolitan with an audit of costs pursuant to Section 8.5 and a certification from an independent certified public accounting firm indicating that CDA has established an accounting system to record Project water deliveries and costs pursuant to Sections 8.1, 8.2, and 8.3.

Section 9: Interruption of Water Supply

9.1. Replenishment for the Project pumping is contemplated to be derived from: intercepting rising water, reclaimed water, transfer or abandonment of existing presently unused water, the new water introduced to the basin and Metropolitan's imported water if available, and if the aforementioned sources are insufficient.

9.2. Nothing in this agreement guarantees replenishment water deliveries by Metropolitan needed to support the Project's Allowable Yield. Availability of such deliveries shall be solely at Metropolitan's discretion.

9.3. CDA agrees to diligently prepare for and operate the Project during interruption of Metropolitan's replenishment deliveries pursuant Subsection 9.2.

9.4 Subsequent to restoration of Metropolitan deliveries of replenishment water, the parties shall diligently replenish the Chino Basin to sustain another three years of interruption of Metropolitan replenishment water. Subject to the provisions of Metropolitan's policies and Administrative Code, Metropolitan shall make deliveries of replenishment water requested by the Watermaster for its use in restoring groundwater storage.

Section 10. Hold Harmless and Liability

10.1. CDA agrees at its sole cost and expense to protect, indemnify, defend, and hold harmless Metropolitan, WMWD, and IEUA and their Board of Directors, officers, representatives, agents and employees from and against any and all claims and liability of any kind (including, but not limited to, any claims or liability for injury or death to any person, damage to property, natural resources or the environment, or water quality problems) that arise out of or relate to CDA's approval, construction, operation, repair or ownership of the Project, including any use, sale, exchange or distribution of Project water. Such

indemnity shall include all damages and losses related to any claim made, whether or not a court action is filed, and shall include attorney fees, administrative and overhead costs, engineering and consulting fees and all other costs related to or arising out of such claim of liability.

10.2. CDA shall include the following language in its agreement with any consultant or contractor retained by CDA to work on the Project:"(Consultant) agrees at its sole cost and expense to protect, indemnify, defend, and hold harmless Metropolitan, WMWD, and IEUA, and their Board of Directors, officers, representatives, agents and employees from and against any and all claims and liability of any kind (including, but not limited to, any claims or liability for injury or death to any person, damage to property, natural resources or to the environment, or water quality problems) that arise out of or relate to CDA's approval, construction, operation, repair or ownership of the Project, including the use, sale, exchange or distribution of Project water. Such indemnity shall include all damages and losses related to any claim made, whether or not a court action is filed, and shall include attorneys' fees, administrative and overhead costs, engineering and consulting fees and all other costs related to or arising out of such claim or liability."

Section 11. Notice

Any notice, payment or instrument required or permitted to be given hereunder shall be deemed received upon personal delivery or 24 hours after deposit in any United States post office, first class postage prepaid and addressed to the Party for whom intended, as follows:

If to Metropolitan:	The Metropolitan Water District of Southern California Post Office Box 54153 Los Angeles, California 90054-0153 Attention: Jeffrey Kightlinger
If to CDA:	CHINO DESALTER AUTHORITY 6905 Kimball Avenue Chino, California 91710 Attention: Dean Martin
If to WMWD:	Western Municipal Water District of Riverside County P. O. Box 5286 Riverside, California 92517 Attention: John V. Rossi
If to IEUA:	Inland Empire Utilities Agency P. O. Box 9020 Chino Hills, CA 91709-9020 Attention: Richard W. Atwater

Any Party may change such address by notice given to each of the other Parties as provided in this section.

Section 12. Successors and Assigns

This Agreement shall inure to the benefit of and be binding upon the successors and assigns of the Parties hereto. This Agreement and any portion thereof shall not be assigned or transferred to any entity not an original Party to this Agreement, nor shall any of the duties be delegated, without the express written consent of all the Parties. Any attempt to assign or delegate this Agreement or any of the obligations or benefits of this Agreement without the express written consent of all Parties shall be void and of no force or effect.

Section 13. Severability

The partial or total invalidity of one or more sections of this Agreement shall not affect the validity of this Agreement.

Section 14. Integration

This Agreement comprises the entire integrated understanding between the Parties concerning the Project, and supersedes all prior negotiations, representations, or agreements.

Section 15. Governing Law

The law governing this Agreement shall be the laws of the state of California and the venue of any action brought hereunder shall be in Los Angeles County, California.

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IN WITNESS WHEREOF, the Parties hereto have executed this Agreement effective as of the date first hereinabove written.

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Jeffrey Kightinger
General Manager

WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE

FOR John V. Rossi
General Manager

INLAND EMPIRE UTILITIES AGENCY

Richard W. Atwater
General Manager

CHINO DESALTER AUTHORITY

Dean Martin
Treasurer

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EXHIBIT "A"

BOARD LETTER 7-11 DATED JUNE 12, 2007

EXHIBIT "B"

CHINO BASIN GROUNDWATER STORAGE AGREEMENT, AGREEMENT NO. 49960
EXECUTED IN JUNE 2003

EXHIBIT "C"

PROJECT DESCRIPTION

Chino Basin Desalination Program, Phase II

The Chino Basin Desalination Program, Phase II Project, consists of the construction, operation and maintenance of groundwater production wells, pipelines, with ion exchange and reverse osmosis treatment system facilities and ancillary facilities to recover degraded groundwater from the Chino Basin as shown on the attached figure. The project includes clearwell, booster pumps, storage tanks and transmission pipelines, groundwater raw water pipelines, and wastewater brine sewers connecting to the Santa Ana Watershed Project Authority (SAWPA) Santa Ana Regional Interceptor (SARI) system.

The project will yield an estimated 15,000 acre-feet per year (AFY) of treated "potable" water for use within the Inland Empire Utilities Agency and Western Municipal Water District. Approximately 3,000 AFY of brine concentrate will be discharged into the SARI system.

The project will include the extraction of groundwater containing high concentrations of total dissolved solids (tds) and nitrates, treatment of groundwater and conveyance of product water to the cities of Chino, Chino Hills, Ontario, Norco, and Santa Ana River Mutual Water Company, and Jurupa Community Services District potable systems. All of these agencies are members of the CDA, which owns and operates the Chino Basin Desalination Facilities.

FIGURE "A"

CHINO BASIN DESALINATION PROGRAM – PHASE II LOCATION MAP

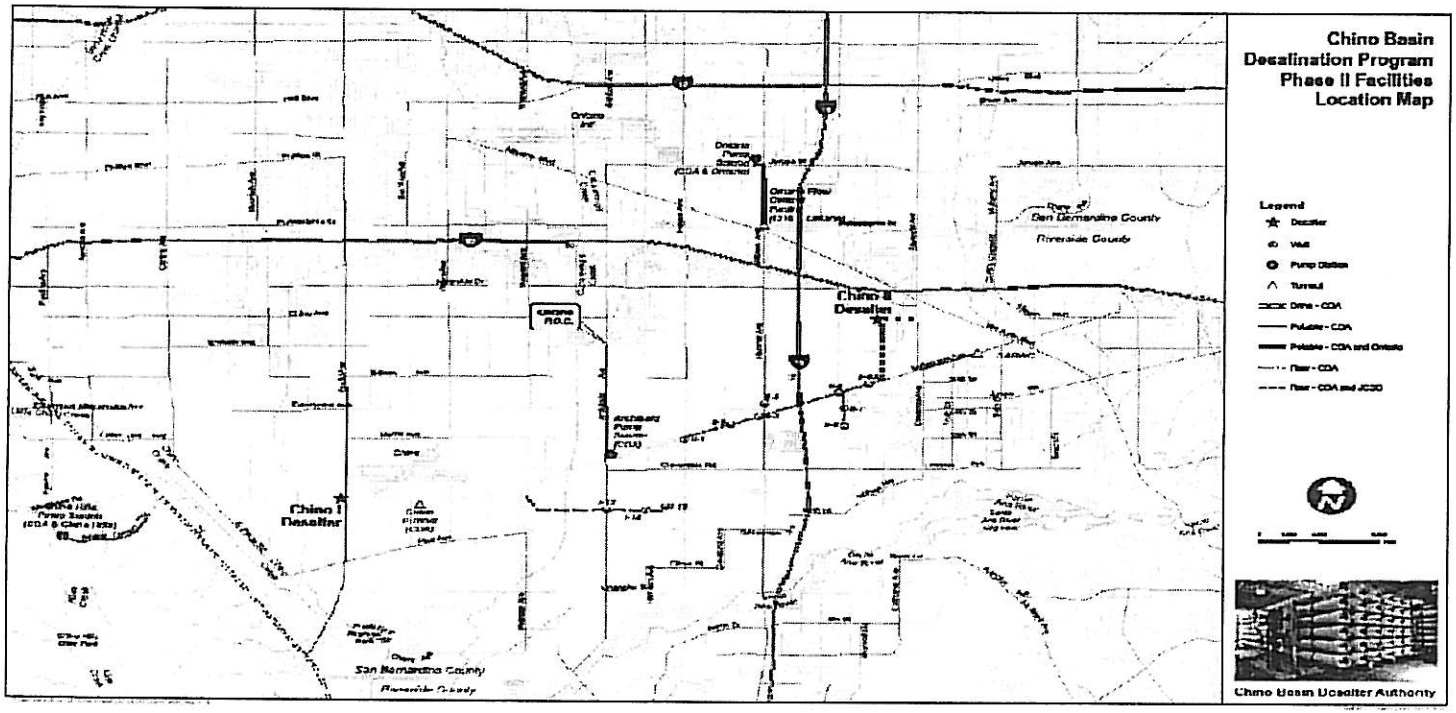

EXHIBIT "D"

ANNUALIZED CAPITAL COMPONENT

1. The Annualized Capital Component shall be computed using only the following incurred costs for the Project:

a. Final design and construction management services.

b. Construction of Project facilities (including start-up), more particularly described in Exhibit "C". Additional capital improvements that are not consistent with the Project Description outlined in Exhibit "C" must be submitted to Metropolitan for review. Written approval by Metropolitan is required before such costs are considered eligible for inclusion in the Annualized Capital Component calculation.

c. Agency administration of the design, construction and start-up not to exceed three percent of the eligible construction costs unless approved in writing by Metropolitan.

d. Permits, including required data collection.

e. Purchase of land, rights-of-way and easements for the Project described in Exhibit "C" except as provided herein.

f. County Sanitation District of Orange County (CSDOC) treatment capacity charge, not to exceed CSDOC's uniform capacity rate applicable to all other users at the time of capacity purchase.

g. CDA's Santa Ana Regional Interceptor (SARI) capacity charge, not to exceed CDA's uniform SARI capacity rate applicable to all other users at the time of capacity purchase.

h. All contributions (except those derived from Metropolitan water management incentives), which are received by CDA from others and offset the above listed eligible capital costs shall be treated as negative capital cost values for the purpose of computing Annualized Capital Component.

2. Cost of the following items shall not be used to calculate the Annualized Capital Component:

a. Distribution and concentrated waste disposal facilities beyond the Project's points of connection.

b. Environmental planning, documentation, and mitigation measurements required to comply with applicable environmental laws, including but not limited to the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and the California and Federal Endangered Species Acts.

c. Existing water systems, facilities, land, rights-of-way, and easements except as provided herein.

d. Feasibility studies.

e. Deposit of any reserve funds required as a condition of financing.

f. All others not specified in Section 1 of this Exhibit.

3. Annualized Capital Cost (ACCost) in dollars per year shall be computed using the following procedure:

a. For fixed-interest rate financing with uniform payments:

$$ACCost = CRF_1 \times P_1 + CRF_2 \times P_2 + ... + CRF_j \times P_j$$

Where:

i. P_j is each portion of incurred capital cost for Project with a distinct financing arrangement.

ii. CRF_j is the capital recovery factor for each distinct financing arrangement, as follows:

iii. $CRF_j = [i \times (1+i)^n] / [(1+i)^n-1]$

iv. i is the interest rate (%)

v. n is the term of financing commencing in the first fiscal year of Project operation (years)

vi. j is the number of each separate financing element

b. If the Project capital cost is part of a broad financing arrangement that includes other costs, annual payments shall be calculated by prorating the annual payments of the broad financing using the ratio of the Project capital cost to total principle of the financing instrument.

c. For variable-interest rate financing, annual payments shall be computed based on the actual payments made in applicable fiscal year according to CDA's financing documents. Any principal payments toward the Project capital cost before the Project operation will be treated as cash. CDA shall provide Metropolitan with the accumulated paid principal pursuant to Section 5.1.

d. For fixed-interest rate financing with a non-uniform annual payment schedule, an economically equivalent uniform annual payment schedule shall be calculated based on "Internal Rate of Return" analysis to establish the annualized capital cost.

e. Project capital costs not covered by a financing arrangement described above and all grants and contributions as defined in Section 5.3 shall be amortized over 25 years at an interest rate equal to the lesser of:

i. Metropolitan's most recent weighted cost of long-term debt on June 30 in the year the capital expenditure occurred; or

ii. The fiscal year average of the 25-bond Revenue Bond Index (RBI), as published in the Bond Buyer, in the year the capital expenditure occurred.

f. All grants or contributions shall be amortized as a negative capital cost values beginning in the year that money was received.

g. After first fiscal year of operation, only refinancing changes, which lower the Annualized Capital Component, shall be included in the Annualized Capital Component calculation of each subsequent fiscal year.

h. If the Project capital cost is part of a broad financing arrangement, annual payments shall be calculated by prorating the annual payments of the broad financing using the ratio of the Project capital cost to total amount of the bigger financing.

i. For all capital financing, cash expenditures, and grants and contributions received after the Project operation, annual payments shall be calculated, using above process, beginning in the fiscal year the costs occur.

4. The Annualized Capital Component (ACCom) in dollars per acre-foot for purposes of determining the Project Unit Cost each fiscal year shall be calculated using the following formula:

$$ACCom = (ACCost)(D)/[(365)(Q)]$$

Where:

Q is Recovered Groundwater, and may not be less than 12,000 acre-feet (80% of approximate Project Capacity) unless otherwise approved in writing by Metropolitan; and

D is number of days, not to exceed 365, in a fiscal year following the initial start of operation, and prior to the termination of the agreement.

EXHIBIT "E"

OPERATION AND MAINTENANCE COMPONENT

1. The Operation and Maintenance Component shall be computed using the costs incurred during the applicable fiscal year for the following:

a. Professional consulting services for Project operation, maintenance and audits, excluding daily Project operation.

b. CDA labor costs and/or contract labor costs for the hours worked by CDA's staff specifically pertaining to administration of the Project, not to exceed the sum total of $150,000 for fiscal year 2007/08. This upper limit shall be escalated pursuant to changes in the Consumer Price Index for Los Angeles area, using the following formula: ($50,000 x ENRCCI-LA for July of fiscal year i)/(ENRCCI-LA for July 2007), any Party may request the Coordinating Committee to revise the allowable labor cost. Labor cost in the first fiscal year of production of Allowable Yield shall be prorated based on the number of days of production of Allowable Yield.

c. Chemicals and supplies for Project operation, maintenance and repair to maintain reliable system operation and achieve regulatory compliance.

d. Electrical or gas energy use, not to exceed $5,000,000 per year, for:

(i) Project supply wells.

(ii) Project lighting and general electrical needs.

(iii) Project booster pumps.

(iv) Concentrate waste disposal pumping.

e. Water quality sampling and analysis for the Project.

f. Contractor staff or O&M services and supplies for Project operation, maintenance and repair to maintain reliable system operation and achieve regulatory compliance, or if CDA chooses to do this work itself, this O&M cost shall be subject to Metropolitan's approval.

g. Concentrate disposal user fee limited to CDA's and CSDOC's uniform SARI rate applied to all other water discharged into CDA's Santa Ana Regional Interceptor pipeline and CSDOC's treatment facilities.

h. All contributions (except those derived from Metropolitan water management incentives), which are received by CDA from others and offset the listed eligible operation and maintenance costs shall be treated as negative values for the purpose of computing Operation and Maintenance Component.

i. Watermaster replenishment charges and appropriate administration costs applied to all groundwater pumped for Project operation. These charges shall be equal to or less than:

A. The uniform rate charged by the Chino Basin Watermaster applied to comparable municipal groundwater production in the Chino Basin, or

B. A uniform rate, not to exceed i. (A.) above charged by others for replenishment water.

j. Project Insurance.

k. Lease of Project site.

l. Replacement parts costs that are less than or equal to $100,000 per unit.

2. Costs of the following items shall not be used to calculate the Operation and Maintenance Component:

a. Operation and maintenance of distribution, concentrate waste disposal and storm drain systems beyond Project's points of connection.

b. Replacement parts pursuant to Exhibit "F".

c. Concentrate waste disposal fee unless approved by Metropolitan.

d. All other operation and maintenance items not specified in Section 1 of this Exhibit.

3. The Operation and Maintenance Component (OMC) in dollars per acre-foot for purposes of determining the actual Project Unit Cost each fiscal year shall be calculated using the following formula:

(OMC) = (Actual Annual Cost of O&M)/(Recovered Groundwater).

EXHIBIT "F"

ANNUALIZED REPLACEMENT COMPONENT

1. The Annualized Replacement Component shall be computed using incurred costs for the following:

a. Membrane replacement.

Replacement of major parts exceeding $100,000 per unit, including existing components described in Exhibit "C".

b. All contributions (except those derived from Metropolitan water management incentives), which are received by CDA from others and offset the listed eligible replacement costs, shall be treated as negative values for the purpose of computing Annualized Replacement Component.

c. Salvage of replaced parts shall be a negative replacement cost.

2. Costs of the following items shall not be used to calculate the Annualized Replacement Component:

a. Replacement of distribution and concentrate waste disposal systems beyond the Project's points of connection.

b. Any capital or operation and maintenance costs as previously defined in Exhibits "D" and "E", respectively.

c. Reserve funds.

3. The Annualized Replacement Cost (ARCost) regarding each replacement occurrence defined in this Exhibit "F" shall be calculated using the following procedure:

$$ARCost = (CRF)x(R)$$

Where:

a. R is the summation of all costs of replacing major Project parts other than membranes, incurred through the term of the Agreement.

b. CRF is the capital recovery factor specified in Exhibit "D", used to amortize incurred replacement costs, other than membranes, over 20 years using Metropolitan's default interest rate. Metropolitan's default interest shall be equal to the lower of:

i. Metropolitan's most recent weighted cost of long-term debt; or

ii. the average of the 25-bond Revenue Bond Index (RBI) (as published in the Bond Buyer), or such other index that may replace the 25-bond RBI, over the most recent six-month period prior to the date the replacement cost was incurred by CDA.

4. The Annualized Replacement Component (ARCom) for each replacement occurrence in dollars per acre-foot shall be calculated using the following procedure:

$$ARCom = ARCost/Q$$

Where:

Q is the Recovered Groundwater for the fiscal year, and shall not be less than (0.8)(Project Capacity)(D/365), unless otherwise approved in writing by Metropolitan; and

D is the number of days, not to exceed 365, in a fiscal year following the initial start of operation, and prior to the termination of the Agreement.

EXHIBIT "G"

DEFERRED COST

Deferred Cost (DC) applicable to the determination of Agreement Purchase Price for the next fiscal year is computed as follows:

DC = (EPC) / (Recovered Groundwater)

Where:

1. EPC is the Excess Project Cost incurred in a fiscal year, and it is calculated using the following formula:

   EPC = [(Project Unit Cost) - (Treated Non-interruptible Water Rate - Metropolitan's Maximum Financial Incentive Rate)] x [Allowable Yield]

   The EPC value for a given fiscal year shall be used only in the calculation of DC for the next fiscal year and shall be considered zero thereafter. There shall be no DC value carryover upon Agreement termination.

2. The Recovered Groundwater term is the Project water in acre-feet produced in the next fiscal year.

- **Board of Directors**
  Water Planning and Stewardship Committee

June 12, 2007 Board Meeting

7-11

Subject

Authorize execution of an agreement for the Chino Basin Desalination Phase II desalter; and appropriate $1.5 million to study expansion of the existing Chino Basin Groundwater Storage Program (Approp. 15272)

Description

Background

In the early 1990s, Metropolitan and its member agencies developed its Integrated Water Resources Plan (IRP) to ensure regional water supply reliability. The IRP identifies in-basin groundwater storage as an important part of Metropolitan's water resource mix. In 2004, the Board approved the IRP Update, which updated the resource development targets for groundwater storage. The groundwater storage dry-year yield target for 2010 is 275,000 acre-feet per year (AFY).

Entities within the Chino Basin have developed a comprehensive planning document, the Optimum Basin Management Plan (OBMP), which identifies strategies to protect and manage the Chino Basin for the next 50 years. The goals of the OBMP are to provide additional water supplies, improve water quality, "drought proof" the region, enhance economic development, and improve environmental quality. The OBMP has nine elements, including groundwater storage and salt management plans. Parties within the Chino Basin have begun implementation of various strategies outlined in the OBMP.

In June 2003, Metropolitan executed the Chino Basin Groundwater Storage Agreement (Storage Agreement) with the Chino Basin Watermaster (Watermaster), Three Valleys Municipal Water District (TVMWD), and Inland Empire Utilities Agency (IEUA) for a groundwater storage program in the Chino groundwater basin. The Storage Agreement gives Metropolitan the ability to store 100,000 AF of water in the basin. Metropolitan funded facilities in the basin to pump and treat its stored water. These facilities will give the participating agencies the ability to produce 33,000 AFY of water from the basin at Metropolitan's call. Total funding for the project is $27.5 million, including $18.5 million of Metropolitan funds and $9 million of Proposition 13 funds. Currently, more than 90,000 AF of water is stored in Metropolitan's storage account.

Current Proposal

Watermaster, TVMWD, IEUA, and Western Municipal Water District (Western) are proposing to expand the storage capacity in the existing Storage Agreement from 100,000 AF to 150,000 AF, with a corresponding increase in dry-year yield from 33,000 AFY to 50,000 AFY. As an essential element for expanding the Storage Agreement, Watermaster, TVMWD, IEUA, and Western are also proposing an agreement that would pay up to $250/AF for about 15,000 acre-feet per year of water produced by the existing Phase II of the Chino Desalination Project. This desalter has been producing water since June 30, 2006.

As an integral part of the Storage Program these facilities will eliminate losses for water stored in the existing agreement, and help provide needed flexibility in the basin.

The expanded Storage Program is expected to provide the following regional benefits: (1) Additional storage capacity – an increase of 50 percent to 150,000 AF; (2) Additional dry year yield increasing from 37,000 AF to 50,000 AF; (3) Elimination of losses in Metropolitan's account; (4) The ability to help manage peak delivery on the East Brach and Rialto Feeder; and (5) Improved water quality in the Chino Basin.

In order to implement the program, staff recommends the following terms and conditions for the two agreements:

Chino Desalter II Agreement—The proposed terms of the agreement would be as follows:

- Metropolitan would pay $250/AF for up to 15,000 AFY for water from Phase II of the Chino Desalination Project (this agreement is not under the Local Resources Program);
- The Chino II Desalter Agreement would expire in two years if the existing Storage Agreement has not been amended consistent with the terms noted in the board letter;
- The Chino II Desalter Agreement would expire in five years if the amendments to the Storage Agreement have not been implemented; and
- The term of the agreement would be 25 years.

Storage Agreement—The proposed amendments to the Storage Agreement would be as follows:

- Metropolitan's stored water in the basin would not be subject to losses;
- Participants would reduce peak demands at Metropolitan's request;
- Western would be added as a party to the Storage Agreement; and
- Metropolitan would reimburse $1.5 million to Chino Basin entities to conduct the groundwater study.

Groundwater study—Metropolitan's partners in the Chino Basin would conduct a groundwater and operational study. The proposed budget for the study would be $1.5 million and would be reimbursed by Metropolitan. This funding level would be approximately equivalent to what Metropolitan paid to fund the study for the existing Groundwater Storage Agreement. The study would be designed to:

- Determine facility and operational components needed to allow dry-year yield to be increased to approximately 50,000 AFY;
- Determine facilities needed, with a cost limited to $15 million for capital, to implement the expanded Storage Agreement;
- Develop an operating plan for the expanded Storage Agreement to determine local agency participation;
- Investigate optimized operations of the Azusa Pipeline, Rialto Feeder, Upper Feeder and East Branch of the California Aqueduct;
- Investigate the impacts of reduced peaking on the East Branch and the Rialto Pipeline; and
- Perform preliminary engineering design and CEQA for the expanded program.

Conclusion

Without the Chino Desalination Project desalination activities, Metropolitan's ability to participate in conjunctive use programs in the Chino Basin would be limited. Pumping and treatment by the Chino Desalination Project maintains groundwater levels conducive to storing water in the basin, keeps poor quality water from flowing into the Santa Ana River, and treats previously unusable groundwater for potable use. In addition, Metropolitan's stored water in the Chino Basin would not be subject to losses, which would reduce costs. These actions would help meet Chino Basin's OBMP objectives and help Metropolitan meet its water supply objectives. Upon completion of the study, staff would return to the Board with a proposal for amending the Storage Agreement.

Funds for this study have been budgeted within the Local Groundwater Storage Agreement Program. See **Attachment 1** for the Financial Statement.

Policy

As adopted by the Board, the IRP Update recommends developing an in-basin dry-year yield of 275,000 AFY by 2010 and 300,000 AFY by 2025.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed actions are not subject to CEQA because they involve other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines). In addition, the proposed actions consist of basic data collection and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. This may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded. Accordingly, the proposed actions also qualify for a Class 6 Categorical Exemption (Section 15306 of the State CEQA Guidelines).

The CEQA determination is: Determine that the proposed actions are exempt from CEQA pursuant to Sections 15306 and 15378(b)(4) of the State CEQA Guidelines.

CEQA determination for Option #2:

The proposed action is categorically exempt under the provisions of CEQA and the State CEQA Guidelines. The proposed action consists of basic data collection and resource evaluation activities, which do not result in a serious or major disturbance to an environmental resource. This may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded. Accordingly, the proposed action qualifies as a Class 6 Categorical Exemption (Section 15306 of the State CEQA Guidelines).

The CEQA determination is: Determine that pursuant to CEQA, the proposed action qualifies under a Categorical Exemption (Class 6, Section 15306 of the State CEQA Guidelines).

CEQA determination for Option #3:

None required

Board Options

Option #1

Adopt the CEQA determination and

a. Authorize the General Manager to execute the Chino Desalter II Agreement for up to $250 per acre-foot of desalted water. This agreement will expire in two years if the existing Storage Agreement has not been amended consistent with the terms noted in the board letter, or if the amendments to the Storage Agreement have not been implemented within five years;
b. Appropriate $1.5 million in budgeted funds; and
c. Authorize the General Manager to reimburse IEUA, TVMWD and Western $1.5 million for a study to expand the existing Storage Agreement.

Fiscal Impact: $3.75 million of desalted water per year for 15,000 AFY from Phase II of the Chino Desalter at $250/AF for 25 years, and $1.5 million in studies for the expanded conjunctive use program
Business Analysis: The IRP Update includes targets for developing an in-basin dry-year yield of 275,000 acre-feet by the year 2010. In-basin conjunctive use is an integral part of Metropolitan's overall plan to ensure the future reliability of Metropolitan's water supply. Not approving these actions could jeopardize Metropolitan's ability to meet its in-basin and local project targets. Phase II of the Chino Desalination Project is already producing water. While Metropolitan does not usually pay incentives to assure continued production from existing programs, this project is an integral element for expanding the Storage Agreement.

Option #2

Adopt the CEQA determination and

a. Appropriate $1.5 million in budgeted funds; and
b. Authorize the General Manager to expend $1.5 million for the groundwater study. Based on the outcome of the studies, the General Manager would then negotiate the Chino Desalter II Agreement and amendments to the existing Storage Agreement to initiate payment of up to $250/AF for produced water.

Fiscal Impact: $1.5 million for the groundwater studies and $3.75 million per year for desalted water, once the program is approved

Business Analysis: The IRP Update includes targets for developing an in-basin dry-year yield of 275,000 acre-feet by the year 2010. In-basin conjunctive use is an integral part of Metropolitan's overall plan to ensure the future reliability of Metropolitan's water supply. Not approving these actions could jeopardize Metropolitan's ability to meet its dry-year yield targets.

Option #3

a. Do not appropriate funds for the groundwater study or the agreement.
b. Authorize the General Manager to enter into negotiations with the member agencies for the Chino Desalter II Agreement and to amend the existing Storage Agreement under different terms.
c. Return to the Board for approval of the amended agreements.

Fiscal Impact: None

Business Analysis: Groundwater rights holders may be less likely to enter into conjunctive use agreements without information on impacts to the basin and assurances for payments for desalter production.

Staff Recommendation

Option #1

Stephen N. Arakawa 5/29/2007
Stephen N. Arakawa *Date*
Manager, Water Resource Management

5/31/2007
Jeffrey Kightlinger *Date*
General Manager

Attachment 1 – Financial Statement for Local Groundwater Storage Agreements Program

BLA #5459

Financial Statement for Local Groundwater Storage Agreements Program

A breakdown of Board Action No. 8 for Appropriation No. 15272 for the Local Groundwater Storage Agreements Program is as follows:

	Previous Total Appropriated Amount (May 2006)	Current Board Action No. 8 (June 2007)	New Total Appropriated Amount
Labor			
Studies & Investigations	$ 210,000	-	$ 210,000
Materials and Supplies	-	-	-
Incidental Expenses	-	-	-
Professional/Technical Services	480,000	1,500,000	1,980,000
Equipment Use	-		-
Contracts	60,200,000		60,200,000
Remaining Budget	-	-	-
Total	**$ 60,890,000**	**$ 1,500,000**	**$ 62,390,000**

Funding Request

Program Name:	Local Groundwater Storage Agreements		
Source of Funds:	Revenue Bonds, Replacement and Refurbishment or General Funds		
Appropriation No.:	15272	**Board Action No.:**	8
Requested Amount:	$ 1,500,000	**Capital Program No.:**	15272-S
Total Appropriated Amount:	$ 62,390,000	**Capital Program Page No.:**	E-45
Total Program Estimate:	$ 210,000,000	**Program Goal:**	S – Supply and Delivery Reliability

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CHINO BASIN WATERMASTER

III. REPORTS/UPDATES

A. WATERMASTER GENERAL LEGAL COUNSEL REPORT

5. MOU of Water Accounting Procedures in Chino Basin

MWD
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Executive Office

August 26, 2008

Mr. Richard Atwater
General Manager
Inland Empire Utilities Agency
P.O. Box 9020
Chino Hills, CA 91709

Mr. Richard Hansen
General Manager/Chief Engineer
Three Valleys Municipal Water District
1021 E. Miramar Avenue
Claremont, CA 91711

Mr. Ken Manning
Chief Executive Officer
Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730

Dear Messrs. Atwater, Hansen, and Manning:

Memorandum of Understanding of Water Accounting Procedures in Chino Basin

Enclosed are four originals of the Memorandum of Understanding of Water Accounting Procedures in Chino Basin (MOU). This MOU sets out the basic procedures for administering the groundwater storage program agreement in Chino Basin. This document does not change the provisions of the agreement in any way. Please execute the four originals of the MOU on behalf of your agency and return them to Mr. Matthew Hacker at The Metropolitan Water District of Southern California. Once all parties have executed the amendment, a complete set will be forwarded to your agency. Please direct any questions to Ms. Kathy Kunysz at (213) 217-6272 or to Mr. Matthew Hacker at (213) 217-6756.

Very truly yours,

Stephen N. Arakawa
Manager, Water Resource Management

MH:tw
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Enclosures

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MEMORANDUM OF UNDERSTANDING OF WATER ACCOUNTING PROCEDURES

RELATING TO

GROUNDWATER STORAGE PROGRAM FUNDING AGREEMENT NO. 49960 (DYY) IN CHINO BASIN, AS AMENDED

AMONG

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA
INLAND EMPIRE UTILITIES AGENCY
THREE VALLEYS MUNICIPAL WATER DISTRICT
CHINO BASIN WATERMASTER

SEPTEMBER 2008

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MEMORANDUM OF UNDERSTANDING OF WATER ACCOUNTING PROCEDURES RELATING TO GROUNDWATER STORAGE PROGRAM FUNDING AGREEMENT NO. 49960 (DYY) IN CHINO BASIN, AS AMENDED

1. INTRODUCTION

THIS MEMORANDUM OF UNDERSTANDING OF WATER ACCOUNTING PROCEDURES RELATING TO GROUNDWATER STORAGE PROGRAM FUNDING AGREEMENT NO. 49960 (DYY) IN CHINO BASIN, AS AMENDED dated as of September ___, 2008 sets out the basic procedures for administering the groundwater storage program in Chino Basin in conjunction with other water resource programs of the Metropolitan Water District of Southern California (Metropolitan) in the Chino Basin. This document does not change the provisions of any of these programs or associated agreements in any way. The purpose of this document is to provide a basis for common understanding and consistent administration of the groundwater storage program in light of multiple local resources programs in the Chino Basin that provide incentives for recovering poor quality water (e.g. desalters) and use of recycled water for recharge of the groundwater basin. The purpose of this Memorandum of Understanding is consistent with Section VI. of the Groundwater Storage Program Funding Agreement (Agreement) relating to the duties of the Operating Committee established therein to develop an Annual Operating Plan and to reconcile financial and water accounting matters for the groundwater storage program. This Memorandum of Understanding represents the agreement of the signatories as members of the Groundwater Storage Program Operating Committee to carry out administrative tasks in a consistent manner, and may be updated and amended by the Groundwater Storage Program Operating Committee by written mutual consent.

2. GROUNDWATER STORAGE PROGRAM (DRY-YEAR-YIELD -DYY- PROGRAM)

The Groundwater Storage Program (DYY) provides for the storage of up to 100,000 acre-feet (AF) of water at any point in time in a Metropolitan Storage Account in the Chino Basin pursuant to the Groundwater Storage Program Funding Agreement dated June 2003 and as subsequently amended. Signatories to this Agreement are Metropolitan, Inland Empire Utilities Agency (IEUA), Three Valleys Municipal Water District (TVMWD), and Chino Basin Watermaster. As of July 2008, the Operating Parties under this Agreement are for IEUA: City of Ontario, City of Upland, Cucamonga Valley Water District, Monte Vista Water District, City of Chino, City of Chino Hills and Jurupa Community Services District (through Ontario); and for TVMWD: City of Pomona. The Agreement provides for storage of up to 25,000 AF per year unless Chino Basin Watermaster allows for more, and extraction, at Metropolitan's call, of up to 33,000 AF per year not to exceed the amount of water in the Metropolitan Storage Account. The call may be for any twelve month period beginning on the first of day of the month following 15 days notice.

The Agreement requires the Operating Committee to prepare an Annual Operating Plan that estimates how storage or extraction will be accomplished during the course of the year. In practice, Metropolitan indicates the amount it would like to store (up to 25,000 AF per year unless more is approved by Chino Basin Watermaster) or extract (up to 33,000 AF per year, but not to exceed the account balance), and IEUA and TVMWD develop a projection indicating the anticipated monthly schedule by service connection for storage deliveries, or monthly schedule for shifting full service demands from the service connection to the wells. IEUA and TVMWD certify storage or extraction against the Annual Operating Plan and updating the plan for actual amounts as the year progresses. Certification of storage and extraction is reconciled following the end of the storage year or the end of the 12-month call period.

The Agreement provides that the DYY Facilities may be used for unrelated purposes by IEUA and TVMWD so long as excess operable capacity is maintained on a monthly basis for performance under the Agreement unless operable capacity on another basis is agreed to by the Operating Committee.

2.A. STORAGE TO THE METROPOLITAN STORAGE ACCOUNT

2.A.1. Upon notice to IEUA and TVMWD, Metropolitan may deliver imported water for storage in the Metropolitan Storage Account in the Chino Basin. Water may be stored directly (spread or injected) or via in-lieu. In-lieu storage means that an Operating Party with groundwater rights foregoes production of a portion of its rights and directly uses the additional delivery of imported water to meet its retail demands. For each AF of unpumped groundwater right stored in-lieu, one AF of additional Metropolitan imported water delivery will be delivered at the service connections to replace the stored AF in meeting retail demands.

2.A.2. Certification of storage on a monthly basis (see Agreement section VI.B.4) by IEUA and TVMWD to both Metropolitan and Chino Basin Watermaster provides for:

a) Credit adjustment on the Metropolitan invoice to either IEUA or TVMWD for the conjunctive use delivery (water is not billed until it is called for extraction --Stored Water Delivery) and associated accounting for the stored AF in Metropolitan's WINS accounting system, and

b) Accounting for stored AF in Metropolitan's Storage Account by Chino Basin Watermaster.

Any subsequent adjustments to certifications for storage of water need to be copied to both Metropolitan and Chino Basin Watermaster to ensure consistent records of stored AF.

Metropolitan Administrative Code section 4507(f) allows for late certifications (and adjustments to prior certifications via re-certification) for a period of up to six months from the time the delivery was made. Reconciliation of in-lieu storage by Metropolitan within twelve months of such a delivery may also result in adjustments. Any such adjustments need to be reported to Metropolitan, IEUA or TVMWD, and the Chino Basin Watermaster to ensure consistency of records. These provisions apply to both storage and extraction from the Metropolitan Storage Account.

Additionally, Chino Basin Watermaster assesses losses to the Metropolitan Storage Account (see Agreement section VI.C.1) once each fiscal year in July. Each year, after July 1 but before September 30, the Operating Committee (Metropolitan, IEUA, TVMWD, and Chino Basin Watermaster) compares records for the balance of AF in the Metropolitan Storage Account and resolves any discrepancies.

2.A.3. Storage to the Metropolitan Storage Account shall exclude all of the following:

1. In-lieu against overproduction of groundwater rights. All storage is required to be new, wet-water storage. Storage cannot be reliant upon a replenishment obligation.

2. In-lieu against foregone rights to produce recharged recycled water. This means that accomplishment of storage through in-lieu means shall only be against Chino Basin native groundwater production rights that would have otherwise been produced and shall exclude recycled water that has been recharged.

3. In-lieu against rights for desalter production that is not pumped. This means that in-lieu storage to the Metropolitan Storage Account shall not be accomplished by reducing the groundwater pumping of the desalters.

4. In-lieu cannot exceed on-line, operational extraction capacity and cannot be against water that cannot be produced. This means that amounts of water certified as stored in-lieu during a month must have been able to be produced--there must be sufficient extraction capacity that is operable, and the water quality must be usable.

5. In-lieu storage cannot exceed the amount of firm water purchased by IEUA or TVMWD from Metropolitan for the month it is certified. This means that acre-foot for acre-foot, imported water was used to meet the demand for the groundwater that was not pumped and certified as stored in-lieu.

6. In-lieu against leased water rights. This means that in-lieu storage to the Metropolitan Storage Account shall not allow a Chino Basin Operating Party to lease groundwater production rights from another basin rights holder in order to underproduce the leased amount of water and certify that the leased water is stored in-lieu.

2B. EXTRACTION FROM THE METROPOLITAN STORAGE ACCOUNT

2.B.1 Extraction from the Metropolitan Storage Account occurs when Metropolitan notifies IEUA and TVMWD that it is making a call for extraction of stored water (Stored Water Delivery) as provided in Agreement section VI.D.3.

Agreement Exhibit G provides that in a call year the following will occur:

a) deliveries at the Metropolitan service connections will decrease by the call amount over the course of the 12 month call period as compared to the prior 12 months; and

b) the call amount will be pumped from the Metropolitan Storage Account in Chino Basin over the 12 month call period; and

c) groundwater pumping in the Chino Basin will increase by the call amount over the 12 month call period as compared to the prior 12 months.

Exhibit G also provides flexibility on each of these measures of +/-10%, and acknowledges that growth in local resources may reduce demand for imported Metropolitan full service water and therefore for the water stored in the Metropolitan Storage Account.

Measurement of these provisions in a call year is against a baseline of the prior twelve months preceding the call. When a call is made two or more years in sequence, the baseline shall be the twelve month period preceding the first call year with any warranted adjustments.

2.B.2. Extraction Baseline

For groundwater production, the following will be included in the baseline:

a) the prior twelve months of Chino Basin production of groundwater rights by participating IEUA and TVMWD agencies inclusive of in-lieu storage, and as adjusted by agreement of the Operating Committee; and

b) the prior twelve months of Chino Basin production of recharged recycled water credits by participating IEUA and TVMWD agencies, as adjusted by agreement of the Operating Committee; and

c) the prior twelve months of Chino Basin desalter production.

Production from the Metropolitan Storage Account will be measured as the number of AF certified as such by IEUA or TVMWD and that production that exceeds the sum of 'a', 'b' and 'c' above in the call year.

For service connection deliveries the following will be included in the baseline:

a) the prior twelve months of full service deliveries to each IEUA and TVMWD at the service connections.

The following will be excluded from the service connection deliveries baseline:

a) any direct or in-lieu deliveries certified for storage to the Metropolitan Storage Account;

b) any direct or in-lieu replenishment deliveries; and

c) any direct or in-lieu cyclic storage deliveries.

In setting the baselines, note that in-lieu deliveries are subject to reconciliation and any resulting adjustments that are completed up to twelve months following the in-lieu delivery.

2.B.3. Extraction Pumping

Certified extraction from the Metropolitan Storage Account shall exclude the following:

a) desalter production;

b) recycled water production;

c) production from basins other than Chino Basin; and

d) amounts that exceed: i) available operable extraction capacity and ii) the amount of water pumped in that month.

Metropolitan Administrative Code section 4507(f) allows for late certifications (and adjustments to prior certifications via re-certification) for a period of up to six months from the time the delivery was made. Reconciliation of amounts certified as extracted from the Metropolitan Storage Account is conducted within twelve months and may also result in adjustments. Any such adjustments need to be reported to Metropolitan, IEUA or TVMWD and the Chino Basin Watermaster to ensure consistency of records. These provisions apply to both storage and extraction from the Metropolitan Storage Account.

3. DATA COLLECTION PROCESS

a) TVMWD will collect, track and certify storage and extraction for Pomona.

b) IEUA is to receive its retail agencies' production data no later than six weeks after the last day of any given month to allow for efficient updates on compliance progress to Metropolitan. If data have not been received, IEUA staff will contact individual agencies and request the production data.

c) IEUA tracks and submits (if necessary) performance for the DYY program

d) Before submitting certifications to Metropolitan, IEUA staff will perform a "check and balance"

1. Two working days prior to Metropolitan's certification deadline (the third working day of each month by 3:30 p.m.). IEUA is to receive any of four certifications:

   - Conjunctive Use Storage Account
   - Agricultural Credit (Chino Hills)

- Desalter Production
- Recycled Water Production

2. IEUA staff will check each certification for 'double counting' of credits to ensure that each program is accounting for its own credits.

3. IEUA will then submit the certifications in a form acceptable to Metropolitan.

e) IEUA and TVMWD staff will review the monthly Metropolitan invoice to confirm that any submitted certifications are correctly documented.

AS MEMBERS OF THE OPERATING COMMITTEE FOR THE GROUNDWATER STORAGE PROGRAM IN CHINO BASIN WE HEREBY concur with this Memorandum of Understanding of Water Accounting Procedures Relating to Groundwater Storage Program Funding Agreement in Chino Basin and agree to implement the procedures stated herein and to jointly update and clarify this document as needed for the continued coordinated administration of the Metropolitan resource programs in the Chino Basin:

_____ _____

Stephen N. Arakawa
Manager, Water Resource Management Group
Metropolitan Water District of Southern California

Date

_____ _____

Richard Atwater
General Manager
Inland Empire Utilities Agency

Date

_____ _____

Richard Hansen
General Manager
Three Valleys Municipal Water District

Date

_____ _____

Ken Manning
Executive Officer
Chino Basin Watermaster

Date

CHINO BASIN WATERMASTER

IV. INFORMATION

1. Chino Basin Recycled Water Groundwater Recharge Program Quarterly Monitoring Report for April through June 2008

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Patrick O. Sheilds
Executive Manager of Operations

Kenneth R. Manning
CEO

August 13, 2008

Regional Water Quality Control Board, Santa Ana Region
Attention: Mr. Gerard Thibeault
3737 Main Street, Suite 500
Riverside, California 92501-3348

Subject: Chino Basin Recycled Water Groundwater Recharge Program Quarterly Monitoring Report for April through June 2008

Dear Mr. Thibeault,

The Inland Empire Utilities Agency (IEUA) and the Chino Basin Watermaster (Watermaster) hereby submit the *Quarterly Monitoring Report* for the second quarter of 2008 (2Q08), April 1 through June 30, 2008, for the *Recycled Water Groundwater Recharge Program*. This document is submitted pursuant to requirements in Order No. R8-2007-0039. All required monitoring and reporting for the quarter are presented in the attached report.

During 2Q08, the Groundwater Recharge Program was in compliance with all monitoring and reporting requirements as specified in the Order, with the exception of Odor. Odor does not have a primary maximum contaminant level (MCL); instead it has a secondary MCL, which is a non-enforceable guideline regulating constituents that may cause cosmetic or aesthetic effects in drinking water. Odor is discussed in further detail in the report text.

Furthermore, the Chino Basin Watermaster hereby certifies that, during the period of April 1 through June 30, 2008, there was no reported pumping for drinking water purposes in the buffer zones extending 500 feet laterally and 6 months underground travel time of the recharge sites using recycled water, namely Banana, Hickory, Turner, 7th & 8th Street, and Ely Basins. In point of fact, there are no production wells in the buffer zones of the aforementioned recharge sites.

DECLARATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments thereto; and that, based on my inquiry of the individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Executed on the 13th day of August 2008 in the Cities of Chino and Rancho Cucamonga.

Patrick O. Sheilds
Executive Manager of Operations

Kenneth R. Manning
Chief Executive Officer

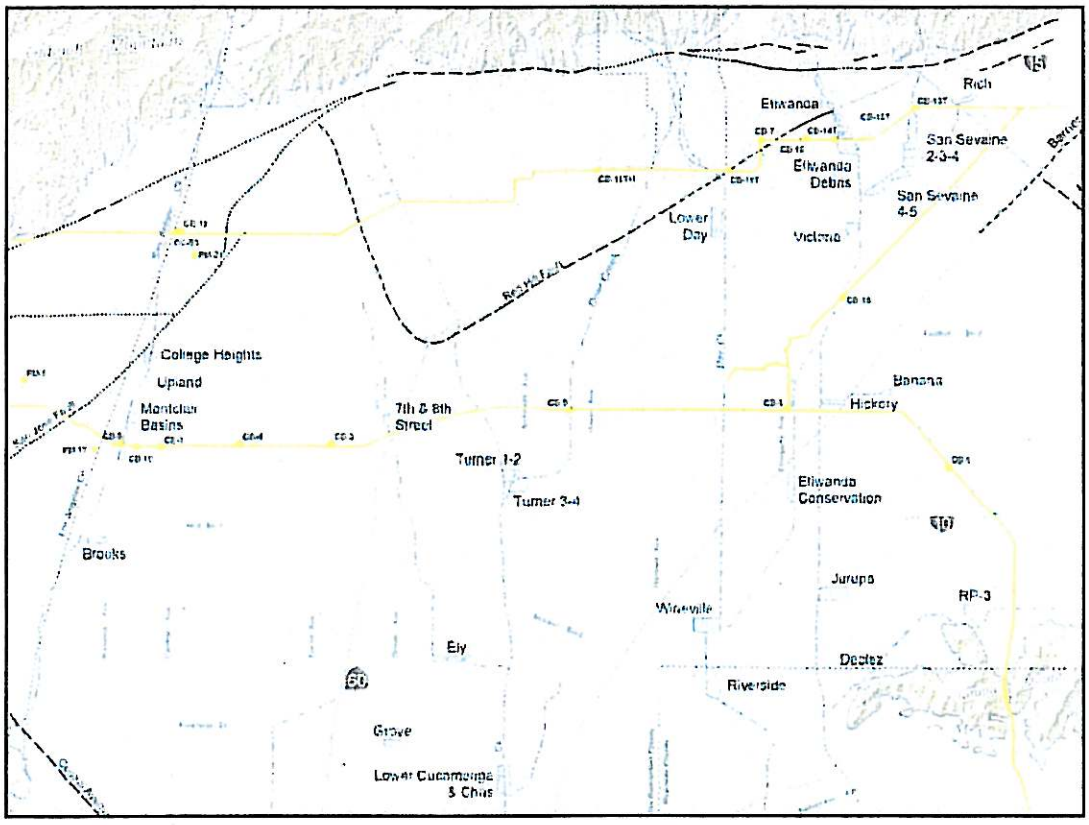
Inland Empire Utilities Agency
P.O. Box 9020
Chino Hills, CA 91708
909.993.1740

Chino Basin Watermaster
9641 San Bernardino Road
Rancho Cucamonga, CA 91730
909.484.3888

Chino Basin Recycled Water Groundwater Recharge Program

Quarterly Monitoring Report

April 1 through June 30, 2008



Prepared by:

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

August 15, 2008

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1. Introduction

Inland Empire Utilities Agency (IEUA), Chino Basin Watermaster (Watermaster), Chino Basin Water Conservation District, and San Bernardino County Flood Control District are partners in the implementation of the Chino Basin Recycled Water Groundwater Recharge Program. This is a comprehensive water supply program to enhance water supply reliability and improve the groundwater quality in local drinking water wells throughout the Chino Groundwater Basin by increasing the recharge of stormwater, imported water and recycled water. This program is an integral part of Watermaster's Optimum Basin Management Plan (OBMP).

A. Order No. R8-2007-0039

On June 29, 2007, the Santa Ana Regional Water Quality Control Board (Regional Board) adopted Order No. R8-2007-0039 which prescribes the requirements for recycled water use for groundwater recharge in six Phase I recharge sites and seven Phase II recharge sites within the Chino North Management Zone. Ely Basin is incorporated into the new Order as one of the seven Phase II recharge sites although recycled water groundwater recharge activities began at this site in 1997. As a provision of this Order, IEUA and Watermaster must also comply with Monitoring and Reporting Program No. R8-2007-0039 (M&RP).

The M&RP includes the water quality monitoring requirements of the Chino Basin Recycled Water Groundwater Recharge Program and the requirement for the submittal of quarterly and annual reports. This document is the quarterly report for the Second Quarter of 2008 (2Q08), which is due to the Regional Board by August 15, 2008.

The quarterly report includes the following elements as prescribed in the M&RP:

- Monitoring results for recycled water (including lysimeter monitoring), diluent water, and groundwater.
- Recycled water and diluent water volumes recharged at each basin.
- Reporting of any non-compliance events due to water quality, including records of any operational problems, plant upset and equipment breakdowns or malfunctions, and any diversion(s) of off-specification recycled water and the location(s) of final disposal. All corrective or preventive action(s) taken.
- Certification that no groundwater has been pumped from the zone that extends 500 feet and 6-months underground travel time from the recharge basin(s) where recycled water is applied for domestic water supply use.

As approved by the Regional Board in April 2007, the Monte Vista Water District (MVWD) entered into an agreement with Watermaster and IEUA to begin reporting its Aquifer Storage & Recovery (ASR) Project injection/recovery volumes and TIN/TDS data under the then existing Phase I Groundwater Recharge Order No. R8-2005-0033 and future permit updates, such as the current Order No. R8-2007-0039.

B. Outline of the Quarterly Report

Section 2 of this quarterly report discusses the water quality monitoring results for recycled water (water recycling plant effluent, basin surface water, and lysimeter data), diluent water, and groundwater. Section 3 provides an overview of recharge operations including the volume of diluent water and recycled water recharged. Section 4 describes any operational problems and preventive and/or corrective actions taken. Section 5 contains the certification of non-pumping in the 500-foot

buffer zones around each basin. Section 6 is an overview of the Monte Vista Water District (MVWD) Aquifer Storage and Recovery (ASR) project, including injection volumes and TIN/TDS mass balance. Finally, Section 7 includes WateReuse Foundation (WRF) research study sampling results for San Antonio Water Company Well No. 12 and 8th Street Basin monitoring wells.

2. Monitoring Results

A. Recycled Water: RP-1 and RP-4

The requirements for recycled water monitoring are presented in the M&RP. Tables 2-1 through 2-4 include all of the requisite 2Q08 data.

Recycled Water Specifications A.5 though A.9 are narrative limits in the permit and corresponding monitoring data are presented in Tables 2-1 through 2-2. None of these limits were exceeded in 2Q08.

In the Order, compliance for constituents with maximum contaminant levels (MCLs) and secondary MCLs are based on 4-quarter running averages. These constituents are listed in Recycled Water Specifications A.1 through A.3 (Tables I, II, and III in the Order). The 4-quarter running average concentration data for 3Q07 through 2Q08 are summarized in Table 2-3 of this report. The table includes the 4-quarter running average for each parameter and the corresponding limits for compliance. Of the Recycled Water Quality Specifications with limitations, only Oil & Grease does not require the 4-quarter running averages for compliance determination. Maximum contaminant levels for inorganic chemicals, organic chemicals, radionuclides, and disinfection byproducts; and action levels for lead and copper; and secondary MCLs were not exceeded during 2Q08, with the exception of threshold odor.

Due to the volume of sample required for analyses, IEUA has selected a recycled water sampling point along the distribution pipeline. IEUA selected the turnout to Reliant Energy (an IEUA recycled water customer) to be representative of the system blend of recycled water used for recharge. Although this sampling location is suitable for most constituents, it is not appropriate for disinfection byproducts (DBP), more specifically, Trihalomethanes (TTHMs) and Total Haloacetic Acids (HAA5). For TTHMs and HAA5, samples collected at the basin are more consistent and representative of the recycled water prior to reaching the groundwater table. Compliance is selected at a point prior to the groundwater table and has in previous quarters been selected at a lysimeter actively receiving recycled water recharge during the defined sampling time. For the 2Q08 sampling for DBPs, IEUA chose the 25-foot below ground surface lysimeter at Hickory Basin East Cell as the compliance point, in accordance with Recycled Water Quality Specification A.2. This basin did receive recycled water during 2Q08.

During 2Q08, the threshold odor secondary MCL of 3 Units was exceeded by a 4-quarter running average value of 6 Units. As a comparison for odor values, diluent water sampling for 2Q08 indicated that all three diluent waters resulted in threshold odor values ranging from 3 to 67 Units.

Oil & Grease has a narrative limit in Recycled Water Specification A.15 of 1 mg/L. The method detection limit for Oil & Grease is 2 mg/L; the resultant value for the 2Q08 sample was "non-detect" or less than 2 mg/L. In this case only, the method detection limit is greater than the narrative limit, therefore it is not possible verify that the narrative limit was not exceeded. Oil & Grease does not have a promulgated primary or secondary MCL. In 3Q08, the IEUA laboratory will run an MDL study to determine if the lab can attain a method detection limit of 1 mg/L. If the IEUA lab is unable to lower the MDL successfully, the sample will be sent to an outside laboratory for analysis during 3Q08.

For constituents with no specified limits, quarterly monitoring data are summarized in Table 2-4.

B. Recycled Water: Basin and Lysimeter Samples

Total organic carbon (TOC) and nitrogen species sampling and analysis are performed weekly during periods when recycled water is delivered to recharge sites. Electrical conductivity is also measured and reported to assist in identifying the presence of recycled water at various depths in the vadose zone. The basin and lysimeter water quality results are summarized in Table 2-5. The table includes lysimeter data for 7th & 8th Street, Ely, Banana and Hickory Basins.

Compliance monitoring points have not yet been established for the 7th & 8th Street Basins; therefore all lysimeter sampling data collected during 2Q08 are presented in this report for this recharge site. In the quarterly reports following the completion of these sites' Start-Up Period Reports, quarterly monitoring and reporting will be limited to compliance monitoring sampling points selected based on the Start-Up Period data evaluation.

After a basin start-up period is complete, TOC compliance is determined from the maximum average RWC indicated by the 20-sample running average TOC. (TOC_{avg} = 0.5 mg/L ÷ RWC_{avg}). The total nitrogen compliance limit is 5 mg/L.

C. Diluent Water

For 2Q08, diluent water sampling was conducted at the Turner and 8th Street Basins. State Water Project water was not delivered to any basins during the monitoring period. Table 2-6 lists the results of diluent water sampling and analyses. Details on the methods used to measure daily diluent water flow can be found in the CDPH-approved "Diluent Water Monitoring Plan."

D. Groundwater Monitoring Wells

During 2Q08, groundwater quality within the vicinity of Banana and Hickory Basins was monitored by sampling a network of six wells. The groundwater quality within the vicinity of the Turner Basins is monitored by sampling a network of five wells. The groundwater quality within the vicinity of the 7th & 8th Street Basins are monitored by sampling a network of five wells. The groundwater quality within the vicinity of the Ely Basin is monitored by sampling a network of three wells. The wells in the monitoring well networks for Hickory and Banana Basins, Turner Basin, 7th & 8th Street Basins, and Ely Basins are summarized in Table 2-7, and presented on Figures 2-1 through 2-4, respectively.

The groundwater constituents analyzed from the monitoring wells during 2Q08 are presented in Table 2-8.

3. Recharge Operations

IEUA's Groundwater Recharge Coordinator recorded the daily volumes of water routed to all basins. The 7th & 8th Street, Ely, Hickory and Banana Basins were the only recharge basins to receive recycled water this quarter. No imported water was delivered to any of the aforementioned recharge basins during 2Q08. Table 3-1 lists the volumes of diluent water, recycled water, and/or local runoff captured during 2Q08 at the basins that have initiated recharge using recycled water.

4. Operational Problems & Preventive or Corrective Actions

No operational problems were encountered this quarter, therefore no corrective actions were necessary for the following: Regional Plants RP-1 & RP-4, recharge operations, and monitoring well sampling.

During lysimeter sampling at Ely basin, the compliance lysimeter (15-foot depth) would not hold a negative pressure and could not be sampled. Rather than not collecting a sample, IEUA sampled the

10-and 25-foot depth lysimeters. These data are reported in Table 2-5. IEUA will continue to sample these two depths during recycled water recharge until an alternative monitoring plan is developed.

5. Certification of Non-Pumping in the Buffer Zones

Watermaster has certified that there was no reported pumping of groundwater in 2Q08 for domestic or municipal use from the zones that extend 500 feet and 6 months underground travel time from the Hickory, Banana, Turner 7th & 8th Street, and Ely Basins. In fact, there are no production wells within the buffer zones of these aforementioned recharge sites. In the cover letter of this report, Watermaster certifies non-pumping in the buffer zones.

IEUA continues to work with the San Bernardino County Department of Environmental Health Services (SBCDEHS) to prevent the drilling and construction of new drinking water wells within the buffer zones. SBCDEHS has initiated control over production well permitting within the buffer zones of all recharge sites through the use of buffer zone maps that utilize the same land coordinate system (Township/Range/Section/40-acre Parcel) that is used in the permitting process. SBCDEHS reviews new well permit applications in part by checking the proposed location of a new drinking water well against a list of 40-acre parcels that abut recharge basins and their 500-foot buffers. IEUA has provided SBCDEHS with a list of parcels abutting each recharge basin and a series of maps showing the recharge basins, buffers, and township/range/section parcels adjacent the basins and buffers.

If a well falls within an abutting parcel, SBCDEHS will review the proposed well location using maps of the basins and buffers. If the well falls too near the buffer boundary for SBCDEHS to determine the relationship of the proposed well location to the buffer boundary, SBCDEHS will defer to IEUA for a prompt field review of the proposed well location. The field review may include contacting and having the well applicant to identify the exact location of the proposed well casing. To conduct a detailed field review, SBCDEHS will contact and provide IEUA Groundwater Recharge Coordinator with a copy of the well permit application and a timeline for the completion of IEUA's review. Following the review, IEUA will notify SBCDEHS of its findings in writing. IEUA will also notify the California Department of Public Health and the Regional Board of well permit applications that it recommends be declined due to well locations that are determined to fall with a 500-foot buffer. SBCDEHS has initiated control over production well permitting within the buffer zones of all Phase I and Phase II basins through the use of buffer zone maps that utilize the same land coordinate system (Township/Range/Section) that is used in the permitting process.

6. MVWD ASR Project

The Regional Board has allowed the Monte Vista Water District (MVWD) Aquifer Storage and Recovery (ASR) project to be included under IEUA/CBWM Phase I Groundwater Recharge Order No. R8-2005-0033 and subsequent permit updates. In April 2007, MVWD, Watermaster, and IEUA entered into an agreement to report the MVWD ASR project groundwater injection/recovery volumes and TIN/TDS mass balance in the recharge program quarterly reports. The Regional Board has been apprised of this agreement and that IEUA will be reporting MVWD ASR project data on a quarterly basis. Initial injection began in June 2007. Table 6-1 summarizes the monthly volumes and TIN/TDS of injected and recovered water. The table also includes the mass balance of TIN/TDS from the injection-recovery cycles. During 2Q08, groundwater injection took place only during the month of April.

7. WateReuse Study

IEUA is participating in WateReuse Foundation research study WR-06-018, which includes periodic testing of San Antonio Water Company (SAWCO) Well No. 12, 8th Street Basin 1/1, and 8th Street

Basin 2/1. The purge water from the well sampling is delivered to the 8th Street Recharge Basin. The Regional Board has allowed the test discharges to be covered under IEUA's Groundwater Recharge permit (Order No. R8-2007-0039) rather than the General De Minimus Discharge permit (NPDES No. CAG998001, Order No. R8-2006-0004). Therefore, the well discharge will not be sampled for constituents beyond those identified in the WRF study, and the discharge quantities will be reported in the groundwater recharge quarterly reports.

During 2Q08, Well No. 12 was sampled on April 15, 2008 and June 18, 2008 discharging approximately 12,000 gallons and 10,000 gallons, respectively; 8th Street Basin 1/1 was micropurged and sampled on April 16, 2008 and discharged less than 10 gallons; and 8th Street Basin 2/1 was micropurged and sampled on April 17 & 23, 2008 and discharged less than 10 gallons. Laboratory results for the four sampling/discharge events are included in Table 7-1.

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Table 2-1a
Recycled Water Monitoring: RP-1 & RP-4 Effluent Water Quality for April 2008
(Recycled Water Quality Specifications A.5, A.7, A.8, & A.9)

	RP-1 Effluent										RP-4 Effluent									
	Turbidity	TOC	NO_3-N	TN	TIN	pH	EC	TDS	Hardness	Coliform	Turbidity	TOC	NO_3-N	TN	TIN	pH	EC	TDS	Hardness	Coliform
Unit Limits	NTU 2;5;10	mg/L 16	mg/L	mg/L *	mg/L	unit 6<pH<9	µhmo/cm	mg/L	mg/L	mpn/100mL 2.2;23;240	NTU 2;5;10	mg/L 16	mg/L	mg/L *	mg/L	unit 6<pH<9	µhmo/cm	mg/L	mg/L	mpn/100mL 2.2;23;240
04/01/08	0.8	6.2	5.9	6.5	5.9	7.0	805	490	149	2	0.5	4.7	3.3	3.7	3.3	6.9	790	458	146	<2
04/02/08	0.8	5.9				7.0	865			2	0.5	4.5	4.4		4.4	6.9	800			<2
04/03/08	0.8	5.9	6.7		6.7	7.0	860			2	0.4	4.2	5.4		5.5	6.7	790			<2
04/04/08	0.8	5.8				7.0	870			<2	0.4	4.0	6.6		6.6	6.7	800			<2
04/05/08	0.8	5.7				7.0	865			<2	0.4	4.1	6.3		6.3	6.7	820			<2
04/06/08	0.8	5.9	6.0		6.0	7.0	865			<2	0.3	4.0	6.0		6.0	6.7	820			<2
04/07/08	0.8	6.1				7.0	845			2	0.5	4.1	4.7		4.7	6.8	825			<2
04/08/08	0.8	5.9	6.5	7.0	6.5	7.0	860	524		<2	0.7	4.2	5.2	5.4	5.2	6.8	840	482		<2
04/09/08	0.7	5.8				6.9	825			<2	0.6	4.3	5.3		5.3	6.8	840			<2
04/10/08	0.6	6.1	5.5		5.5	6.9	840			<2	0.5	4.2	5.6		5.6	6.7	840			<2
04/11/08	0.6	5.8				7.0	855			<2	0.6	4.1	6.1		6.2	6.8	835			<2
04/12/08	0.7	5.9				7.0	850			4	0.3	4.0	6.0		6.1	6.8	840			<2
04/13/08	0.7	6.4	4.7		4.7	7.0	850			<2	0.3	3.9	5.9		6.0	6.8	820			<2
04/14/08	0.7	6.4				7.0	845			<2	0.5	4.2	5.0		5.0	6.8	830			<2
04/15/08	1.7	6.8	5.2	5.9	5.2	7.7	860			<2	0.5	4.2	3.5	3.9	3.5	7.3	840	478		<2
04/16/08	0.8	6.1				7.1	860	534		<2	0.7	4.2	3.1		3.1	6.9	830			<2
04/17/08	0.8	6.8	7.8		7.8	6.9	855			<2	0.5	4.3	3.2		3.2	6.9	825			<2
04/18/08	0.7	6.4				7.0	880			<2	0.7	4.2	3.4		3.4	7.2	820			<2
04/19/08	0.8	6.6				7.0	885			50	0.6	4.2	3.9		3.9	7.0	830			<2
04/20/08	0.8	6.7	6.7		6.7	7.0	860			<2	0.5	4.4	4.2		4.2	6.9	830			<2
04/21/08	0.7	6.7				7.0	875			4	0.4	4.4	3.1		3.1	7.0	845			<2
04/22/08	0.7	6.6	6.7	7.5	6.7	7.0	875	516		<2	0.4	4.2	3.5	3.7	3.5	6.9	830	464		<2
04/23/08	0.6	6.5				7.0	870			<2	0.4	4.2	3.8		3.8	7.0	820			<2
04/24/08	0.7	7.0	6.4		6.6	7.0	870			<2	0.4	4.2	3.7		3.8	7.0	810			<2
04/25/08	0.6	6.2				7.0	860			<2	0.4	4.4	3.9		4.0	7.0	800			<2
04/26/08	0.6	6.0				7.0	855			2	0.4	4.5	3.6		3.6	7.0	795			<2
04/27/08	0.6	6.2	7.1		7.1	7.0	850			<2	0.4	4.5	1.4		1.5	7.0	805			<2
04/28/08	0.6	6.1				7.0	855			<2	0.4	4.6	3.0		3.0	7.0	810			<2
04/29/08	0.6	6.3	7.9	8.5	7.9	6.9	860	526		<2	0.4	4.5	5.2	5.8	5.2	7.0	815	466		<2
04/30/08	0.8	6.6				7.0	865			<2	0.5	4.4	5.6		5.6	6.8	825			<2
Avg	0.7	6.2	6.4	7.1	6.4	7.0	858	518	149	<4	0.5	4.3	4.5	4.5	4.5	6.9	821	470	146	<2
Min	0.6	5.7	4.7	5.9	4.7	6.9	805	490	149	<2	0.3	3.9	1.4	3.7	1.5	6.7	790	458	146	<2
Max	1.7	7.0	7.9	8.5	7.9	7.7	885	534	149	50	0.7	4.7	6.6	5.8	6.6	7.3	845	482	146	<2

Note: Turbidity and coliform must meet water quality standards for disinfected tertiary treated recycled water, as specified in NPDES No. CA0105279, Order No. R8-2006-0010.

TDS and TIN limits are based on a 12-month running average values which are presented in Table 2-2

Bolded characters signify an exceedance of a permit limitation

Blank cells indicate that analysis was not run for a constituent on that particular date. The data presented meets/exceeds the frequency of analysis specified under the discharge permit for these facilities.

*TN compliance can be met at a point prior to the regional groundwater, including lysimeters.

Table 2-1b
Recycled Water Monitoring: RP-1 & RP-4 Effluent Water Quality for May 2008
(Recycled Water Quality Specifications A.5, A.7, A.8, & A.9)

	RP-1 Effluent										RP-4 Effluent									
	Turbidity	TOC	NO_3-N	TN	TIN	pH	EC	TDS	Hardness	Coliform	Turbidity	TOC	NO_3-N	TN	TIN	pH	EC	TDS	Hardness	Coliform
Unit Limits	NTU 2;5;10	mg/L 16	mg/L	mg/L *	mg/L	unit 6<pH<9	µhmo/cm	mg/L	mg/L	mpn/100mL 2.2;23;240	NTU 2;5;10	mg/L 16	mg/L	mg/L *	mg/L	unit 6<pH<9	µhmo/cm	mg/L	mg/L	mpn/100mL 2.2;23;240
05/01/08	0.8	6.6	8.5		8.5	7.0	885			<2	0.5	4.5	6.1		6.1	7.0	830			<2
05/02/08	0.8	6.2				6.9	800			<2	0.5	4.3	6.5		6.5	6.9	820			<2
05/03/08	1.2	6.1				6.9	795			<2	0.4	4.4	6.2		6.2	7.0	815			<2
05/04/08	1.1	6.4	5.8		5.8	7.0	785			2	0.4	4.7	4.7		4.7	7.1	815			<2
05/05/08	1.2	6.4				7.0	790			<2	0.4	4.9	4.8		4.8	7.1	820			<2
05/06/08	1.2	6.4	7.1	7.9	7.1	7.0	780	480	155	<2	0.4	4.9	5.5	6.1	5.5	7.1	825	474	140	<2
05/07/08	1.1	6.0				7.0	780			<2	0.5	4.9	4.7		4.7	7.1	850			<2
05/08/08	1.2	6.3	7.1		7.1	7.0	780			<2	0.4	4.8	4.7		4.7	7.0	840			<2
05/09/08	1.3	6.5				7.0	790			<2	0.4	4.7	6.2		6.2	7.0	830			<2
05/10/08	1.2	6.6				7.0	795			2	0.4	4.6	6.5		6.5	7.0	825			<2
05/11/08	1.2	7.1	6.5		6.5	7.0	775			<2	0.4	4.8	5.7		5.7	7.0	825			<2
05/12/08	1.3	8.5				7.0	795			2	0.4	4.9	5.1		5.1	7.0	825			<2
05/13/08	1.2	8.4	9.0	9.8	9.0	7.0	785	498		<2	0.5	4.8	5.8	6.6	5.8	7.0	835	486		<2
05/14/08	1.2	8.3				7.2	765			<2	0.6	4.8	6.1		6.1	7.0	830			<2
05/15/08	1.1	8.0	7.7		7.7	7.0	800			<2	0.7	4.8	6.2		6.2	7.0	830			<2
05/16/08	1.2	7.8				7.0	770			<2	0.7	4.9	6.4		6.4	7.0	830			<2
05/17/08	1.2	7.7				7.0	780			<2	0.8	5.0	5.7		5.7	7.0	825			<2
05/18/08	1.2	8.0	7.6		7.6	7.0	755			<2	0.8	5.2	5.5		5.5	7.0	830			<2
05/19/08	1.2	8.4				7.0	770			<2	0.8	5.4	5.0		5.0	7.0	930			<2
05/20/08	1.2	6.1	7.7	8.9	7.7	7.0	785	502		<2	0.8	5.2	5.4	5.7	5.4	7.0	850	490		<2
05/21/08	1.2	7.8				7.0	780			4	0.4	5.1	6.2		6.2	7.0	850			<2
05/22/08	1.2	8.0	8.0		8.0	7.0	760			<2	0.7	5.1	7.0		7.0	7.0	835			<2
05/23/08	1.0	7.7				7.0	750			<2	0.7	5.2	7.1		7.1	7.0	840			<2
05/24/08	1.1	8.0				7.0	755			<2	0.6	5.1	7.0		7.0	7.0	850			<2
05/25/08	1.0	7.6				7.0	785			<2	0.6	5.2	6.7		6.7	7.0	845			<2
05/26/08	1.1	7.8				7.0	760			<2	0.7	5.4	7.0		7.0	7.0	850			<2
05/27/08	1.1	7.7	6.5	6.7	6.5	7.0	765	484		<2	0.7	5.5	6.0	6.2	6.0	7.0	825	494		<2
05/28/08	1.0	7.3				7.0	750			2	0.7	5.3	5.4		5.4	7.0	815			<2
05/29/08	1.0	6.9	7.2		7.2	7.0	760			<2	0.7	5.1				7.0	805			<2
05/30/08	1.0	6.9				7.0	740			<2	0.6	4.8	6.6		6.6	7.0	810			<2
05/31/08	1.1	7.4				7.0	755			<2	0.6	4.6	7.2		7.2	7.0	825			<2
Avg	1.1	7.3	7.4	8.3	7.4	7.0	778	491	155	<2	0.6	4.9	6.0	6.1	6.0	7.0	833	486	140	<2
Min	0.8	6.0	5.8	6.7	5.8	6.9	740	480	155	<2	0.4	4.3	4.7	5.7	4.7	6.9	805	474	140	<2
Max	1.3	8.5	9.0	9.8	9.0	7.2	885	502	155	4	0.8	5.5	7.2	6.6	7.2	7.1	930	494	140	<2

Note: Turbidity and coliform must meet water quality standards for disinfected tertiary treated recycled water, as specified in NPDES No. CA0105279, Order No. R8-2006-0010.

TDS and TIN limits are based on a 12-month running average values which are presented in Table 2-2

Bolded characters signify an exceedance of a permit limitation

Blank cells indicate that analysis was not run for a constituent on that particular date. The data presented meets/exceeds the frequency of analysis specified under the discharge permit for these facilities.

*TN compliance can be met at a point prior to the regional groundwater, including lysimeters.

Table 2-1c
Recycled Water Monitoring: RP-1 & RP-4 Effluent Water Quality for June 2008
(Recycled Water Quality Specifications A.5, A.7, A.8, & A.9)

	RP-1 Effluent										RP-4 Effluent									
	Turbidity	TOC	NO_3-N	TN	TIN	pH	EC	TDS	Hardness	Coliform	Turbidity	TOC	NO_3-N	TN	TIN	pH	EC	TDS	Hardness	Coliform
Unit Limits	NTU 2;5;10	mg/L 16	mg/L	mg/L *	mg/L	unit 6<pH<9	µhmo/cm	mg/L	mg/L	mpn/100mL 2.2;23;240	NTU 2;5;10	mg/L 16	mg/L	mg/L *	mg/L	unit 6<pH<9	µhmo/cm	mg/L	mg/L	mpn/100mL 2.2;23;240
06/01/08	1.2	7.6	6.1		6.1	7.0	770			2	0.6	4.8	6.6		6.6	7.0	840			<2
06/02/08	1.2	7.9				7.0	770			2	0.7	4.9	5.6		5.6	7.0	845			<2
06/03/08	1.1	7.4	6.5	7.9	6.5	7.0	765	474	154	<2	0.7	4.8	6.0	6.4	6.0	7.0	850	486	143	<2
06/04/08	1.0	7.4				7.0	765			<2	0.7	4.7	6.7		6.7	7.0	860			<2
06/05/08	0.9	7.7	8.1		8.1	7.0	700			<2	0.8	4.7	6.4		6.4	7.0	780			<2
06/06/08	0.9	6.6				7.0	700			<2	0.7	4.7	6.1		6.1	7.1	780			<2
06/07/08	1.0	6.6				7.0	720			2	0.7	4.7	5.8		5.8	7.1	785			<2
06/08/08	1.0	6.8	7.8		7.8	7.1	690			<2	0.7	4.8	5.4		5.4	7.1	775			<2
06/09/08	1.0	7.1				7.0	685			2	0.7	4.9	4.9		4.9	7.1	785			<2
06/10/08	1.1	6.5	6.6	8.1	6.6	7.1	815	466		2	0.8	5.1	5.6	5.8	5.6	7.1	905	488		<2
06/11/08	1.2	7.0				7.0	835			<2	1.3	5.4	5.4		6.2	7.1	830			<2
06/12/08	1.0	7.2	5.7		5.7	7.1	805			2	0.6	5.5	6.2		7.8	7.1	895			<2
06/13/08	1.1	7.5				7.1	750			<2	0.4	5.2	7.1		7.6	7.1	860			<2
06/14/08	1.1	7.2				7.1	755			2	0.3	4.9	8.1		8.1	7.1	850			<2
06/15/08	1.1	6.9	5.1		5.1	7.0	830			2	0.3	5.0	8.7		8.7	7.2	960			<2
06/16/08	1.1	6.6				7.0	820			<2	0.4	5.0	8.8		8.8	7.1	935			<2
06/17/08	1.1	6.4	5.9	6.7	6.0	7.0	810	480		<2	0.4	5.3	9.6	9.9	9.6	7.2	965	518		<2
06/18/08	1.1	10.0				7.0	800			2	0.4	4.8	9.7		9.7	7.2	900			<2
06/19/08	1.0	5.6	5.9		5.9	7.0	780			<2	0.4	4.7	10.3		10.3	7.1	855			<2
06/20/08	0.9	11.3				7.0	785			<2	0.3	4.7	11.2		11.2	7.1	845			<2
06/21/08	1.0	10.3				7.0	790			<2	0.3	4.7	11.4		11.4	7.1	850			<2
06/22/08	1.0	9.9	6.4		6.4	7.0	795			4	0.3	4.7	10.8		10.8	7.1	900	514		<2
06/23/08	0.9	9.3				7.0	820			2	0.3	4.5	9.2		9.2	7.1	915			<2
06/24/08	0.9	9.8	6.6	7.9	6.6	7.1	765	490		<2	0.3	4.7	8.6	8.7	8.6	7.2	825			<2
06/25/08	0.9	9.0				7.1	750			<2	0.3	4.3	8.6		8.6	7.1	875			<2
06/26/08	0.9	9.0	7.6		7.6	7.1	800			<2	0.3	4.1	9.2		9.2	7.1	870			<2
06/27/08	0.9	8.5				7.0	760			<2	0.2	4.0	10.7		10.7	7.1	850			<2
06/28/08	0.9	8.4				7.0	770			<2	0.3	3.9	12.4		12.4	7.0	855			<2
06/29/08	1.0	8.9	6.0		6.0	7.0	810			2	0.2	3.9	12.7		12.7	7.0	890			<2
06/30/08	0.9	9.5				7.0	820			<2	0.2	4.0	11.6		11.6	7.1	890			<2
Avg	1.0	8.0	6.5	7.6	6.5	7.0	774	478	154	<2	0.5	4.7	8.3	7.7	8.4	7.1	861	502	143	<2
Min	0.9	5.6	5.1	6.7	5.1	7.0	685	466	154	<2	0.2	3.9	4.9	5.8	4.9	7.0	775	486	143	<2
Max	1.2	11.3	8.1	8.1	8.1	7.1	835	490	154	4	1.3	5.5	12.7	9.9	12.7	7.2	965	518	143	<2

Note: Turbidity and coliform must meet water quality standards for disinfected tertiary treated recycled water, as specified in NPDES No. CA0105279, Order No. R8-2006-0010.

TDS and TIN limits are based on a 12-month running average values which are presented in Table 2-2

Bolded characters signify an exceedance of a permit limitation

Blank cells indicate that analysis was not run for a constituent on that particular date. The data presented meets/exceeds the frequency of analysis specified under the discharge permit for these facilities.

*TN compliance can be met at a point prior to the regional groundwater, including lysimeters.

Table 2-2
Recycled Water Monitoring: Agency-Wide Flow-Weighted TIN & TDS
(Recycled Water Quality Specifications A.6)

	TIN		TDS	
Date	**Monthly**	**12-Mo. Run Avg.**	**Monthly**	**12-Mo. Run Avg.**
Jul-07	5.1	6.3	492	480
Aug-07	5.2	6.3	478	481
Sep-07	5.9	6.2	478	482
Oct-07	6.0	6.2	517	487
Nov-07	7.6	6.2	514	490
Dec-07	7.4	6.3	522	494
Jan-08	6.8	6.2	511	483
Feb-08	6.4	6.2	492	484
Mar-08	6.6	6.2	515	486
Apr-08	6.7	6.3	519	488
May-08	7.2	6.4	502	490
Jun-08	6.5	6.5	490	491
Limit		8.0		550

Table 2-3
Recycled Water Monitoring: Recycled Water Quality Specifications A.1, A.2, A.3, & A.15

Constituent	3Q07	4Q07	1Q08	2Q08	4Q Run. Avg.[1]	Limit	Unit	Method
Inorganic Chemicals								
Aluminum	<25	27	<25	57	<25	1000	µg/L	EPA 200.8
Antimony	0.5	<0.5	<1	<1	<1	6	µg/L	EPA 200.8
Arsenic	<2	<2	<2	<2	<2	10	µg/L	EPA 200.8
Asbestos	<0.6	<0.2	<1.8	<1.8	<1.8	7	MFL	EPA 100.2
Barium	14	6	9	7	9	1000	µg/L	EPA 200.8
Beryllium	<0.5	<0.5	<0.5	<0.5	<0.5	4	µg/L	EPA 200.8
Cadmium	<0.25	<0.25	<0.25	<0.25	<0.25	5	µg/L	EPA 200.8
Chromium	4.5	3.2	2.9	1.2	2.9	50	µg/L	EPA 200.8
Cyanide	<6	<6	<5	<6	<6	150	µg/L	SM 4500-CN E
Fluoride	0.3	0.2	0.2	0.2	0.2	2	mg/L	SM 4500-F C
Mercury	<0.2	<0.2	<0.2	<0.2	<0.2	2	µg/L	EPA 245.2
Nickel	3	2	3	3	3	100	µg/L	EPA 200.8
Perchlorate	<4	<4	<10	<4	*<10*	6	µg/L	EPA 314
Selenium	2	2	<2	<2	<2	50	µg/L	EPA 200.8
Thallium	<1	<1	<1	<1	<1	2	µg/L	EPA 200.8
Volatile Organic Chemicals (VOCs)								
Benzene	<0.5	<1	<0.5	<0.5	<1	1	µg/L	EPA 524.2
Carbon Tetrachloride	<0.5	<1	<0.5	<0.5	*<1*	0.5	µg/L	EPA 524.2
1,2-Dichlorobenzene	<0.5	<1	<0.5	<0.5	<1	600	µg/L	EPA 524.2
1,4-Dichlorobenzene	<0.5	<1	<0.5	<0.5	<1	5	µg/L	EPA 524.2
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,2-Dichloroethane	<0.5	<1	<0.5	<0.5	*<1*	0.5	µg/L	EPA 524.2
1,1-Dichloroethylene	<0.5	<1	<0.5	<1	<1	6	µg/L	EPA 524.2
cis-1,2-Dichloroethylene	<0.5	NA	<0.5	<0.5	<0.5	6	µg/L	EPA 524.2
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	<0.5	10	µg/L	EPA 524.2
Dichloromethane	<0.5	<1	<0.5	<0.5	<1	5	µg/L	EPA 524.2
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,3-Dichloropropene	<0.5	<1	<0.5	<0.5	*<1*	0.5	µg/L	EPA 524.2
Ethylbenzene	<0.5	<1	<0.5	<0.5	<1	300	µg/L	EPA 524.2
Monochlorobenzene	<0.5	<1	<0.5	<0.5	<1	70	µg/L	EPA 524.2
Methyl-tert-butyl ether	<0.5	NA	<0.5	<0.5	<0.5	13	µg/L	EPA 524.2
Styrene	<0.5	NA	<0.5	<0.5	<0.5	100	µg/L	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	<0.5	1	µg/L	EPA 524.2
Tetrachloroethylene	<0.5	<1	<0.5	<0.5	<1	5	µg/L	EPA 524.2
Toluene	<0.5	<1	0.5	<0.5	<1	150	µg/L	EPA 524.2
1,2,4-Trichlorobenzene	<0.5	NA	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
1,1,1-Trichloroethane	<0.5	<1	<0.5	<0.5	<1	200	µg/L	EPA 524.2
1,1,2-Trichloroethane	<0.5	<1	<0.5	<0.5	<1	5	µg/L	EPA 524.2
Trichloroethylene	<0.5	<1	<0.5	<0.5	<1	5	µg/L	EPA 524.2
Trichlorofluoromethane	<0.5	<2	<0.5	<0.5	<2	150	µg/L	EPA 524.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.5	NA	<0.5	<0.5	<0.5	1200	µg/L	EPA 524.2
Vinyl Chloride	<0.3	<1	<0.3	<0.5	*<1*	0.5	µg/L	EPA 524.2
m,p-Xylene	<1	NA	<1	<0.5	<1	1750 [2]	µg/L	EPA 524.2
o-Xylene	<0.5	NA	<0.5	<0.5	<0.5		µg/L	EPA 524.2
Non-Volatile Synthetic Organic Chemicals (SOCs)								
Alachlor (Alanex)	<0.1	<0.1	<0.1	<0.1	<0.1	2	µg/L	EPA 505
Atrazine	<0.05	<0.05	<0.05	<0.05	<0.05	1	µg/L	EPA 525.2
Bentazon	<0.5	<0.5	<0.5	<0.5	<0.5	18	µg/L	EPA 515.4
Benzo(a)pyrene	<0.02	<0.02	<0.02	<0.02	<0.02	0.2	µg/L	EPA 525.2
Carbofuran	<0.5	<0.5	<0.5	<0.5	<0.5	18	µg/L	EPA531.2
Chlordane	<0.1	<0.1	<0.1	<0.1	<0.1	0.1	µg/L	EPA 505
2,4-D	<0.1	<0.1	<0.1	<0.1	<0.1	70	µg/L	EPA 515.4
Dalapon	5	<1	<1	3	2	200	µg/L	EPA 515.4
Dibromochloropropane	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	µg/L	EPA 504.1
Di(2-ethylhexyl)adipate	<0.6	<0.6	<0.6	<0.6	<0.6	400	µg/L	EPA 525.2
Di(2-ethylhexyl)phthalate	<0.6	<0.6	<0.6	<0.6	<0.6	4	µg/L	EPA 525.2
Dinoseb	<0.2	<0.2	<0.2	<0.2	<0.2	7	µg/L	EPA 515.4
Diquat	<0.4	<0.4	<0.4	<0.4	<0.4	20	µg/L	EPA 549.2
Endothall	<5	<20	<20	<5	<20	100	µg/L	EPA 548.1
Endrin	<0.01	<0.01	<0.01	<0.01	<0.01	2	µg/L	EPA 505

Table 2-3
Recycled Water Monitoring: Recycled Water Quality Specifications A.1, A.2, A.3, & A.15

Constituent	3Q07	4Q07	1Q08	2Q08	4Q Run. Avg.[1]	Limit	Unit	Method
Ethylene Dibromide	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	µg/L	EPA 504.1
Glyphosate	<6	<6	<6	<6	<6	700	µg/L	EPA 547
Heptachlor	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	µg/L	EPA 505
Heptachlor Epoxide	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	µg/L	EPA 505
Hexachlorobenzene	<0.05	<0.05	<0.05	<0.05	<0.05	1	µg/L	EPA 525.2
Hexachlorocyclopentadiene	<0.05	<0.05	<0.05	0.06	<0.05	50	µg/L	EPA 525.2
Lindane	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	µg/L	EPA 505
Methoxychlor	<0.05	<0.05	<0.05	<0.05	<0.05	30	µg/L	EPA 505
Molinate	<0.1	<0.1	<0.1	<0.1	<0.1	20	µg/L	EPA 525.2
Oxamyl	<0.5	<0.5	<0.5	<0.5	<0.5	50	µg/L	EPA 531.2
Pentachlorophenol	<0.04	<0.04	<0.04	<0.04	<0.04	1	µg/L	EPA 515.4
Picloram	<0.1	<0.1	<0.1	<0.1	<0.1	500	µg/L	EPA 515.4
PCB 1016	<0.08	<0.08	<0.08	<0.08	<0.08	0.5	µg/L	EPA 505
PCB 1221	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	µg/L	EPA 505
PCB 1232	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	µg/L	EPA 505
PCB 1242	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	µg/L	EPA 505
PCB 1248	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	µg/L	EPA 505
PCB 1254	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	µg/L	EPA 505
PCB 1260	<0.1	<0.1	<0.1	<0.1	<0.1	0.5	µg/L	EPA 505
Simazine	0.07	<0.05	<0.05	0.1	0.06	4	µg/L	EPA 525.2
Thiobencarb	<0.2	<0.2	<0.2	<0.2	<0.2	70	µg/L	EPA 525.2
Toxaphene	<0.5	<0.5	<0.5	<0.5	<0.5	3	µg/L	EPA 505
2,3,7,8-TCDD (Dioxin)	<5	<5	<5	<5	<5	30	pg/L	EPA 1613
2,4,5-TP (Silvex)	<0.2	<0.2	<0.2	<0.2	<0.2	50	µg/L	EPA 515.4
Action Level Chemicals								
Copper	5.1	3.9	13.6	3.6	6.5	1300	µg/L	EPA 200.8
Lead	<0.5	<0.5	<0.5	<0.5	<0.5	15	µg/L	EPA 200.8
Radionuclides								
Combined Radium-226 and Radium 228	<0.670	<0.710	<1.0	<0.76	<1.0	5	pCi/L	EPA 903.0
Gross Alpha Particle Activity	<3	<3	<3	<3	<3	15	pCi/L	EPA 900.0
Tritium	<190	<198	<196	<191	<198	20,000	pCi/L	EPA 906
Strontium-90	<0.640	<0.670	<0.700	<0.740	<0.740	8	pCi/L	EPA 905
Gross Beta Particle Activity	7	8	10	10	9	50	pCi/L	EPA 900.0
Uranium	<0.7	<0.7	<0.7	<0.7	<0.7	20	pCi/L	EPA 200.8
Secondary Maximum Contaminant Level Chemicals								
Aluminum	<25	27	<25	57	<25	200	µg/L	EPA 200.8
Copper	5.1	3.9	13.6	3.6	6.5	1000	µg/L	EPA 200.8
Corrosivity [3]	-0.3	0.7	<0.1	NR	0.1	Non-Cor.	SI	SM 2330B
Foaming Agents (MBAS) [3]	<0.05	0.12	<0.05	<0.05	<0.05	500	µg/L	S5540C/EPA 425.1
Iron [3]	79	65	110	NR	85	300	µg/L	EPA 200.7
Manganese	7	1	9	19	9	50	µg/L	EPA 200.8
Methyl-tert-butyl ether (MTBE) [3]	<0.5	<0.5	<0.5	<0.5	<0.5	5	µg/L	EPA 524.2
Odor--Threshold [3]	8	4	8	2	**6**	3	TON	SM 2150B
Silver	<0.25	<0.25	<0.25	<0.25	<0.25	100	µg/L	EPA 200.8
Thiobencarb	<0.2	<0.2	<0.2	<0.2	<0.2	1	µg/L	EPA 525.2
Zinc	38	24	55	15	33	5000	µg/L	EPA 200.8
Miscellaneous Regulated Constituents								
Oil & Grease [4]	2	1	3	**<2**		1	mg/L	EPA 1664
Disinfection Byproducts								
Bromate	<5	<5	<5	<5	<5	10	µg/L	EPA 300.1
Chlorite	<0.01	0.05	<0.01	<0.01	<0.02	1	mg/L	EPA 300.0
Lysimeter Compliance Point Data	HE-25	8th-25	8th-15	HE-25				
Total Trihalomethanes (TTHMs)	129	16	7	48	50	80	µg/L	EPA 524.2/624
Total Haloacetic Acids (HAA5)	3	3	<1	<1	2	60	µg/L	S6251B

NA: Not Analyzed this quarter

[1] 4-quarter running average is calculated based on ND values equal to half the detection limit. Final reported 4-quarter running average value, if less then DL, will be based on highest DL found in the data set.

[2] The sum of m,p-Xylene and o-Xylene is used to calculate compliance for the Total Xylenes limit

[3] 4-quarter running average is calculated based on the four most recent results. Monitoring is required annually.

[4] Oil & Grease compliance determination not based on 4-quarter running average

Bold signifies an exceedance of a limit in the Order. Explained in further detail in the report text.

Italic signifies that the 4-quarter running average highest DL is greater than the MCL; all values in data set are non-detect.

Table 2-4
Recycled Water Monitoring: Table II. Remaining Priority Pollutants, EDCs & Pharmaceuticals, and Unregulated Chemicals
(Monitoring & Reporting Program)

Constituent	2Q08	Unit	Method
Metals			
Chromium (III) [1]	1.2	µg/L	EPA 200.8
Volatile Organic Chemicals (VOCs)			
Acrolein	NR	µg/L	EPA 624
Acrylonitrile	NR	µg/L	EPA 624
Bromoform	<0.5	µg/L	EPA 524.2
Chlorodibromomethane	6.4	µg/L	EPA 524.2
Chloroethane	<0.5	µg/L	EPA 524.2
2-Chloroethylvinylether	NR	µg/L	EPA 624
Chloroform	88	mg/L	EPA 524.2
Dichlorobromomethane	29	µg/L	EPA 524.2
Methyl Bromide	<1	µg/L	EPA 524.2
Methyl Chloride	0.9	µg/L	EPA 524.2
Acid Extractibles			
2-Chlorophenol	NR	µg/L	EPA 625
2,4-Dichlorophenol	NR	µg/L	EPA 625
2,4-Dimethylphenol	NR	µg/L	EPA 625
2-Methyl-4,6-dinitrophenol	NR	µg/L	EPA 625
2,4-Dinitrophenol	NR	µg/L	EPA 625
2-Nitrophenol	NR	µg/L	EPA 625
4-Nitrophenol	NR	µg/L	EPA 625
4-Chloro-3-methylphenol	NR	µg/L	EPA 625
Phenol	NR	µg/L	EPA 625
2,4,6-Trichlorophenol	NR	µg/L	EPA 625
Base/Neutral Extractibles			
Acenaphthene	NR	µg/L	EPA 625
Acenaphthylene	NR	µg/L	EPA 625
Anthracene	NR	µg/L	EPA 625
Benzidine	NR	µg/L	EPA 625
Benzo(a)anthracene	NR	µg/L	EPA 625
Benzo(b)fluoranthene	NR	µg/L	EPA 625
Benzo(g,h,i)perylene	NR	µg/L	EPA 625
Benzo(k)fluoranthene	NR	µg/L	EPA 625
Bis(2-chloroethoxy)methane	NR	µg/L	EPA 625
Bis(2-chloroethyl)ether	NR	µg/L	EPA 625
Bis(2-chloroisopropyl)ether	NR	µg/L	EPA 625
Bromophenyl phenyl ether	NR	µg/L	EPA 625
tyl benzyl phthalate	NR	µg/L	EPA 625
2-Chloronaphthalene	NR	µg/L	EPA 625
4-Chlorophenyl phenyl ether	NR	µg/L	EPA 625
Chrysene	NR	µg/L	EPA 625
Dibenzo(a,h)anthracene	NR	µg/L	EPA 625
1,3-Dichlorobenzene	NR	µg/L	EPA 625
3,3-Dichlorobenzidine	NR	µg/L	EPA 625
Diethyl phthalate	NR	µg/L	EPA 625
Dimethyl phthalate	NR	µg/L	EPA 625
Di-n-butyl phthalate	NR	µg/L	EPA 625
2,4-Dinitrotoluene	NR	µg/L	EPA 625
2,6-Dinitrotoluene	NR	µg/L	EPA 625
Di-n-octyl phthalate	NR	µg/L	EPA 625
Azobenzene	NR	µg/L	EPA 625
Fluoranthene	NR	µg/L	EPA 625
Fluorene	NR	µg/L	EPA 625
Hexachlorobutadiene	NR	µg/L	EPA 625
Hexachlorocyclopentadiene	NR	µg/L	EPA 625
Hexachloroethane	NR	µg/L	EPA 625
Indeno(1,2,3-cd)pyrene	NR	µg/L	EPA 625
Isophorone	NR	µg/L	EPA 625
Naphthalene	NR	µg/L	EPA 625
Nitrobenzene	NR	µg/L	EPA 625
N-Nitroso-di-n-propylamine	NR	µg/L	EPA 625
N-Nitrosodiphenylamine	NR	µg/L	EPA 625
Phenanthrene	NR	µg/L	EPA 625
Pyrene	NR	µg/L	EPA 625
Pesticides			
Aldrin	NR	µg/L	EPA 608
BHC, alpha isomer	NR	µg/L	EPA 608
BHC, beta isomer	NR	µg/L	EPA 608
BHC, delta isomer	NR	µg/L	EPA 608
4,4'-DDT	NR	µg/L	EPA 608
4,4'-DDE	NR	µg/L	EPA 608
4,4'-DDD	NR	µg/L	EPA 608
Dieldrin	NR	µg/L	EPA 608
Endosulfan I	NR	µg/L	EPA 608
Endosulfan II	NR	µg/L	EPA 608
Endosulfan Sulfate	NR	µg/L	EPA 608
Endrin Aldehyde	NR	µg/L	EPA 608

Constituent	2Q08	Unit	Method
Unregulated Chemicals			
Boron	0.4	mg/L	EPA 200.7
Chromium VI	0.1	µg/L	EPA 218.6
Dichlorodifluoromethane	<0.5	µg/L	EPA 524.2
Ethyl tertiary butyl ether	<0.5	µg/L	EPA 524.2
N-nitrosodimethylamine (NDMA)	<2	ng/L	1625MOD
Tertiary amyl methyl ether	<0.5	µg/L	EPA 524.2
Tertiary butyl alcohol	<2	µg/L	542.2 MOD
Vanadium	1.2	µg/L	EPA 200.8
1,4 - Dioxane	<2	µg/L	8270MOD
1,2,3-Trichloropropane	<0.5	µg/L	EPA 524.2
Chemicals w/ State Notification Levels[2]			
n-butylbenzene	<0.5	µg/L	EPA 524.2
sec-butylbenzene	<0.5	µg/L	EPA 524.2
tert-butylbenzene	<0.5	µg/L	EPA 524.2
Carbon disulfide	<0.5	µg/L	EPA 524.2
Chlorate	204	µg/L	EPA 300.0
2-Chlorotoluene	<0.5	µg/L	EPA 524.2
Diazinon	NR	µg/L	EPA 525.2
Formaldehyde	NR	µg/L	SM 6252/EPA 8315
Isopropylbenzene	<0.5	µg/L	EPA 524.2
N-propylbenzene	<0.5	µg/L	EPA 524.2
1,2,4 –trimethylbenzene	<0.5	µg/L	EPA 524.2
1,3,5-trimethylbenzene	<0.5	µg/L	EPA 524.2
N-Nitrosodiethylamine (NDEA)	NR	µg/L	EPA 525
N-Nitrosopyrrolidine	NR	µg/L	EPA 525
Endocrine Disrupting Chemicals, Pharmaceuticals and Other Chemicals[2]			
Hormones			
Ethinyl estradiol	NR	ng/L	HPLC/MS-SEDC
17-B estradiol	NR	ng/L	HPLC/MS-SEDC
Estrone	NR	ng/L	HPLC/MS-SEDC
"Industrial" Endocrine Disruptors			
Bisphenol A	NR	ng/L	HPLC/MS-SEDC
Nonylphenol and nonylphenol polyethoxylate	NR	ng/L	HPLC/MS-SEDC
Octylphenol and octylphenol polyethoxylate	NR	ng/L	HPLC/MS-SEDC
PolybromiNA	NR	ng/L	8270C SIM
PBDE 28	NR	ng/L	8270C SIM
PBDE 71	NR	ng/L	8270C SIM
PBDE 47	NR	ng/L	8270C SIM
PBDE 66	NR	ng/L	8270C SIM
PBDE 100	NR	ng/L	8270C SIM
PBDE 99	NR	ng/L	8270C SIM
PBDE 85	NR	ng/L	8270C SIM
PBDE 154	NR	ng/L	8270C SIM
PBDE 153	NR	ng/L	8270C SIM
PBDE 138	NR	ng/L	8270C SIM
PBDE 128	NR	ng/L	8270C SIM
PBDE 183	NR	ng/L	8270C SIM
PBDE 190	NR	ng/L	8270C SIM
PBDE 203	NR	ng/L	8270C SIM
PBDE 206	NR	ng/L	8270C SIM
PBDE 209	NR	ng/L	8270C SIM
Pharmaceuticals & Other Substances			
Acetaminopen	NR	ng/L	HPLC/MS-SEDC
Amoxicillin	NR		Not Available[3]
Azithromycin	NR		Not Available[3]
Caffeine	NR	ng/L	HPLC/MS-SEDC
Carbamazepine	NR	ng/L	HPLC/MS-SEDC
Ciprofloxacin	NR		Not Available[3]
Ethylenediamine tetra-acetic acid (EDTA)	NR		EPA 300.0MOD
Gemfibrozil	NR	ng/L	HPLC/MS-SEDC
Ibuprofen	NR	ng/L	HPLC/MS-SEDC
Iodinated contrast media	NR	ng/L	HPLC/MS-SEDC
Lipitor	NR		Not Available[3]
Methadone	NR	ng/L	HPLC/MS-SEDC
Morphine	NR		Not Available[3]
Salicylic acid	NR	ng/L	HPLC/MS-SEDC
Triclosan	NR	ng/L	HPLC/MS-SEDC

NR: Not Required (Annual Requirement)

[1] Trivalent chromium is measured as total chromium

[2] Chemicals w/ State Notification Levels, Nitrosamines, and EDC, Pharmaceuticals & Other Chemicals (Attachment B)

[3] Analytical Method is not available for this constituent

Table 2-5
Lysimeter and Surface Water Monitoring: TOC, Nitrogen Species, and EC

8th Street Basin									
Site	Depth, bgs	Date	TOC	TN	EC	TIN	NO_3-N	TKN+NO_2-N	NO_2-N
Unit==>	feet		mg/L	mg/L	µmho/cm	mg/L	mg/L	mg/L	mg/L
8TH-00	0	04/01/08	8.98	<0.6	730	<0.2	<0.1	<0.5	<0.01
8TH-00	0	04/08/08	13.91	1.4	690	<0.2	<0.1	1.4	<0.01
8TH-00	0	04/15/08	15.32	1.6	530	<0.2	<0.1	1.6	<0.01
8TH-00	0	04/22/08	6.86	1.7	820	0.8	0.8	1.0	0.01
8TH-00	0	04/29/08	6.10	1.5	915	1.2	1.1	<0.5	0.02
8TH-00	0	05/06/08	7.17	1.7	800	0.7	0.7	1.0	0.04
8TH-00	0	05/13/08	8.36	7.4	775	2.0	1.8	5.7	0.08
8TH-00	0	05/20/08	7.43	2.6	735	2.1	2.0	0.6	0.02
8TH-00	0	05/28/08	6.29	5.5	560	4.6	4.2	1.3	0.06
8TH-00	0	06/03/08	6.66	4.2	780	2.8	2.7	1.5	0.02
8TH-00	0	06/10/08	6.66	4.2	730	3.4	3.2	1.0	0.05
8TH-00	0	06/17/08	7.25	2.7	760	2.1	1.8	0.9	0.05
8TH-00	0	06/24/08	8.57	1.5	790	0.7	0.6	0.9	0.04
8TH-05	5	04/01/08	3.60	<0.6	720	<0.2	<0.1	<0.5	<0.01
8TH-05	5	04/08/08	3.14	<0.6	670	<0.2	0.1	<0.5	<0.01
8TH-05	5	04/15/08	2.60	<0.6	690	0.5	0.5	<0.5	<0.01
8TH-05	5	04/22/08	3.60	2.3	930	2.2	2.2	<0.5	<0.01
8TH-05	5	04/29/08	3.69	<0.6	945	0.4	0.4	<0.5	0.01
8TH-05	5	05/06/08	3.62	<0.6	935	<0.2	<0.1	<0.5	<0.01
8TH-05	5	05/13/08	3.85	<0.6	815	<0.2	<0.1	<0.5	<0.01
8TH-05	5	05/20/08	4.35	<0.6	775	<0.2	<0.1	<0.5	<0.01
8TH-05	5	05/28/08	4.85	<0.6	710	<0.2	<0.1	<0.5	<0.01
8TH-05	5	06/03/08	4.46	0.8	725	<0.2	<0.1	0.8	<0.01
8TH-05	5	06/10/08	4.31	<0.6	715	<0.2	<0.1	<0.5	<0.01
8TH-05	5	06/17/08	4.36	<0.6	770	0.3	<0.1	<0.5	<0.01
8TH-05	5	06/24/08	4.60	<0.6	835	<0.2	<0.1	<0.5	<0.01
8TH-15	15	04/01/08	3.44	<0.6	760	<0.2	<0.1	<0.5	<0.01
8TH-15	15	04/08/08	2.54	<0.6	715	0.3	0.3	<0.5	<0.01
8TH-15	15	04/15/08	2.45	0.8	645	0.8	0.8	<0.5	<0.01
8TH-15	15	04/22/08	3.93	1.4	655	1.4	1.4	<0.5	<0.01
8TH-15	15	04/29/08	3.12	<0.6	755	0.4	0.4	<0.5	<0.01
8TH-15	15	05/06/08	3.48	<0.6	760	0.6	0.4	<0.5	<0.01
8TH-15	15	05/13/08	3.48	<0.6	700	<0.2	0.1	<0.5	<0.01
8TH-15	15	05/20/08	4.42	<0.6	695	0.2	0.1	<0.5	<0.01
8TH-15	15	05/28/08	5.54	0.6	580	0.4	0.4	<0.5	0.01
8TH-15	15	06/03/08	3.74	1.0	605	0.4	0.3	0.8	<0.01
8TH-15	15	06/10/08	3.97	<0.6	670	0.3	0.2	<0.5	<0.01
8TH-15	15	06/17/08	3.69	9.3	695	0.8	0.7	8.7	0.05
8TH-15	15	06/24/08	3.79	0.7	750	0.6	0.5	<0.5	<0.01
8TH-25	25	04/01/08	3.67	<0.6	765	<0.2	<0.1	<0.5	<0.01
8TH-25	25	04/08/08	3.05	<0.6	710	<0.2	<0.1	<0.5	<0.01
8TH-25	25	04/15/08	3.51	<0.6	560	<0.2	0.1	<0.5	<0.01
8TH-25	25	04/22/08	3.70	<0.6	880	0.6	0.5	<0.5	<0.01
8TH-25	25	04/29/08	3.12	<0.6	965	<0.2	0.2	<0.5	<0.01
8TH-25	25	05/06/08	3.16	<0.6	1160	<0.2	<0.1	<0.5	<0.01
8TH-25	25	05/13/08	4.30	<0.6	905	<0.2	<0.1	<0.5	<0.01
8TH-25	25	05/20/08	4.89	<0.6	835	<0.2	<0.1	<0.5	<0.01
8TH-25	25	05/28/08	5.42	<0.6	805	<0.2	<0.1	<0.5	<0.01
8TH-25	25	06/03/08	4.53	0.8	740	<0.2	<0.1	0.8	<0.01
8TH-25	25	06/10/08	4.68	<0.6	740	<0.2	<0.1	0.5	<0.01
8TH-25	25	06/17/08	4.32	0.9	780	0.4	0.3	0.6	0.04
8TH-25	25	06/24/08	4.10	<0.6	830	<0.2	<0.1	<0.5	<0.01
8TH-35	35	04/01/08	3.17	<0.6	720	<0.2	<0.1	<0.5	<0.01
8TH-35	35	04/08/08	3.10	<0.6	765	<0.2	<0.1	<0.5	<0.01
8TH-35	35	04/15/08	3.21	<0.6	770	<0.2	<0.1	<0.5	<0.01
8TH-35	35	04/22/08	5.24	<0.6	780	<0.2	<0.1	<0.5	<0.01
8TH-35	35	04/29/08	3.31	<0.6	750	<0.2	<0.1	<0.5	<0.01
8TH-35	35	05/06/08	2.75	<0.6	925	<0.2	<0.1	<0.5	<0.01
8TH-35	35	05/13/08	3.71	<0.6	920	<0.2	<0.1	<0.5	<0.01
8TH-35	35	05/20/08	5.07	<0.6	860	<0.2	<0.1	<0.5	<0.01
8TH-35	35	05/28/08	3.20	<0.6	830	<0.2	<0.1	<0.5	<0.01
8TH-35	35	06/03/08	7.03	0.9	780	<0.2	<0.1	0.9	<0.01
8TH-35	35	06/10/08	4.90	<0.6	675	<0.2	<0.1	0.5	<0.01
8TH-35	35	06/17/08	3.47	<0.6	745	<0.2	<0.1	0.5	<0.01
8TH-35	35	06/24/08	3.55	<0.6	810	<0.2	<0.1	<0.5	<0.01

Blank cells indicate that analysis was not run for a constituent on that particular date and/or depth due to insufficient volume

Table 2-5
Lysimeter and Surface Water Monitoring: TOC, Nitrogen Species, and EC

Hickory Basin East Cell									
Site	Depth, bgs	Date	TOC	TN	EC	TIN	NO_3-N	TKN+NO_2-N	NO_2-N
Unit==>	feet		mg/L	mg/L	µmho/cm	mg/L	mg/L	mg/L	mg/L
HKYE-00	0	05/06/08	5.43	4.5	825	4.0	4.0	0.5	<0.01
HKYE-00	0	05/13/08	5.90	9.2	815	4.5	4.5	4.7	<0.01
HKYE-00	0	05/20/08	7.26	3.8	775	3.0	2.5	1.3	0.24
HKYE-00	0	05/28/08	26.70	3.4	770	<0.2	<0.1	3.4	<0.01
HKYE-25	25	04/01/08	1.73	3.4	780	3.3	3.3	<0.5	<0.01
HKYE-25	25	05/06/08	2.04	5.2	860	5.2	5.2	<0.5	<0.01
HKYE-25	25	05/13/08	1.42	3.6	785	3.6	3.6	<0.5	<0.01
HKYE-25	25	05/20/08	2.44	4.6	810	4.6	4.6	<0.5	<0.01
HKYE-25	25	05/28/08	1.34	3.4	825	3.3	3.3	<0.5	<0.01

Banana Basin									
Site	Depth, bgs	Date	TOC	TN	EC	TIN	NO_3-N	TKN+NO_2-N	NO_2-N
Unit==>	feet		mg/L	mg/L	µmho/cm	mg/L	mg/L	mg/L	mg/L
BAN-00	0	04/29/08	5.24	4.7	820	4.2	4.1	0.5	<0.01
BAN-00	0	05/06/08	7.68	2.1	760	1.4	1.3	0.8	0.14
BAN-00	0	05/13/08	6.01	2.5	805	2.6	2.4	<0.5	0.10
BAN-00	0	05/20/08	10.56	1.5	805	0.3	<0.1	1.5	<0.01
BAN-00	0	06/03/08	5.24	6.9	815	5.6	5.5	1.4	<0.01
BAN-00	0	06/10/08	6.00	5.1	750	3.9	3.7	1.4	0.08
BAN-00	0	06/17/08	7.38	6.5	800	3.3	3.2	3.3	0.02
BAN-00	0	06/24/08	15.19	4.1	845	0.2	<0.1	4.1	<0.01
BAN-25	25	04/29/08	1.20	1.0	310	0.8	0.8	<0.5	<0.01
BAN-25	25	05/06/08	1.47	1.5	520	1.5	1.5	<0.5	<0.01
BAN-25	25	05/13/08	1.18	2.5	590	2.2	2.1	<0.5	<0.01
BAN-25	25	05/20/08	1.19	2.0	625	1.8	1.8	<0.5	<0.01
BAN-25	25	06/03/08	1.32	3.3	670	2.5	2.5	0.7	<0.01
BAN-25	25	06/10/08	1.40	2.1	590	1.9	1.8	<0.5	<0.01
BAN-25	25	06/17/08	1.42	1.9	680	1.7	1.6	<0.5	<0.01
BAN-25	25	06/24/08	1.17	1.6	685	1.4	1.2	<0.5	<0.01

Ely Basin No. 3									
Site	Depth, bgs	Date	TOC	TN	EC	TIN	NO_3-N	TKN+NO_2-N	NO_2-N
Unit==>	feet		mg/L	mg/L	µmho/cm	mg/L	mg/L	mg/L	mg/L
ELY3E-00	0	04/01/08	8.35	3.3	470	2.3	2.2	1.1	0.02
ELY3E-00	0	04/08/08	6.76	3.6	535	2.9	2.6	1.0	0.02
ELY3E-00	0	04/22/08	7.02	3.7	615	3.0	2.8	0.9	0.06
ELY3E-00	0	04/29/08	6.17	3.9	600	2.6	2.5	1.3	0.05
ELY3E-00	0	05/06/08	5.53	3.3	600	2.6	2.5	0.8	0.05
ELY3E-00	0	05/13/08	6.01	3.3	580	2.5	2.4	0.9	0.04
ELY3E-00	0	05/21/08	6.51	2.5	555	2.2	2.1	<0.5	0.02
ELY3E-00	0	05/28/08	7.25	3.9	565	2.5	2.4	1.5	0.04
ELY3E-00	0	06/03/08	7.87	4.4	550	2.9	2.8	1.6	0.04
ELY3E-00	0	06/10/08	7.89	3.7	525	2.7	2.4	1.3	0.05
ELY3E-00	0	06/17/08	8.34	3.7	545	1.9	1.8	1.8	0.03
ELY3E-00	0	06/24/08	8.65	2.9	585	1.9	1.7	1.2	0.03
ELY3E-05	5	04/29/08	3.84	2.7	505	0.9	0.5	2.2	0.02
ELY3E-05	5	05/06/08	3.48	1.2	560	1.1	0.2	1.0	0.01
ELY3E-10	10	04/01/08	1.80	1.9	195	1.7	1.7	<0.5	<0.01
ELY3E-10	10	04/08/08	1.91	1.6	245	1.2	1.1	0.5	<0.01
ELY3E-10	10	04/22/08	2.08	0.7	390	0.6	0.6	<0.5	<0.01
ELY3E-10	10	04/29/08	2.00	<0.6	445	0.4	0.3	<0.5	<0.01
ELY3E-10	10	05/06/08	1.94	<0.6	575	<0.2	0.1	<0.5	<0.01
ELY3E-10	10	05/13/08	1.84	<0.6	540	0.2	0.2	<0.5	<0.01
ELY3E-10	10	05/21/08	1.75	<0.6	540	0.5	0.5	<0.5	<0.01
ELY3E-10	10	05/28/08	1.34	1.2	375	0.8	0.8	<0.5	<0.01
ELY3E-10	10	06/03/08	1.51	1.3	560	0.8	0.8	<0.5	<0.01
ELY3E-10	10	06/10/08	1.81	0.8	530	0.7	0.6	<0.5	<0.01
ELY3E-10	10	06/17/08	1.57	1.1	560	0.7	0.7	<0.5	<0.01
ELY3E-10	10	06/24/08	1.77	<0.6	570	0.6	0.5	<0.5	<0.01
ELY3E-25	25	04/01/08	2.72	0.7	275	0.3	0.3	<0.5	<0.01
ELY3E-25	25	04/08/08	2.71	0.8	260	0.4	0.1	0.7	0.02
ELY3E-25	25	04/29/08			245		0.2		<0.01
ELY3E-25	25	05/06/08	3.57		255				
ELY3E-25	25	05/13/08	3.27	<0.6	260	<0.2	0.1	<0.5	<0.01
ELY3E-25	25	05/21/08	2.19	<0.6	300	<0.2	<0.1	<0.5	<0.01
ELY3E-25	25	05/28/08	2.73	1.0	220	<0.2	<0.1	1.0	<0.01
ELY3E-25	25	06/03/08	2.96	1.2	450	0.5	0.4	0.8	<0.01
ELY3E-25	25	06/10/08	2.79		455		<0.1		<0.01
ELY3E-25	25	06/17/08	2.68	<0.6	500	0.2	<0.1	<0.5	<0.01
ELY3E-25	25	06/24/08	2.81	<0.6	475	0.2	<0.1	<0.5	<0.01

Blank cells indicate that analysis was not run for a constituent on that particular date and/or depth due to insufficient volume

Table 2-6
Diluent Water Monitoring Results

Constituent	West Cucamonga Channel - 7th & 8th Street	Cucamonga Creek - Turner 1 & 2	Deer Creek - Turner Drop Inlet	Unit	Method
NO_2-N	<0.01	0.04	<0.01	mg/L	EPA 300.0
NO_3-N	0.6	1.3	0.2	mg/L	EPA 300.0
TDS	190	542	396	mg/L	SM 2540C
Total Coliform	>23	>23	12	mpn/100ml	SM 9221B
Oil & Grease	<2	2	<2	mg/L	EPA 1664A
Inorganic Chemicals					
Aluminum	101	<25	48	µg/L	EPA 200.7
Antimony	<1	1.4	1.4	µg/L	EPA 200.8
Arsenic	2	<2	<2	µg/L	EPA 200.8
Asbestos	<6.73	<4.42	<6.42	MFL	EPA 100.2
Barium	30	82	54	µg/L	EPA 200.7
Beryllium	<0.5	<0.5	<0.5	µg/L	EPA 200.7
Cadmium	0.3	<0.25	<0.25	µg/L	EPA 200.7
Chromium	1.2	1.7	2.1	µg/L	EPA 200.7
Cyanide	<6	<6	<6	µg/L	SM 4500-CN E
Fluoride	0.4	0.4	0.5	mg/L	SM 4500-F C
Mercury	<0.2	<0.2	<0.2	µg/L	EPA 245.2
Nickel	2	4	3	µg/L	EPA 200.7
Perchlorate	<4	<4	<4	µg/L	EPA 314
Selenium	<2	2	<2	µg/L	EPA 200.8
Thallium	<1	<1	<1	µg/L	EPA 200.8
Volatile Organic Chemicals (VOCs)					
Benzene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Carbon Tetrachloride	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,1-Dichloroethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,2-Dichloroethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,1-Dichloroethylene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
cis-1,2-Dichloroethylene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Dichloromethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,2-Dichloropropane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,3-Dichloropropene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Ethylbenzene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Chlorobenzene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Methyl Tert-butyl ether (MTBE)	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Styrene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Tetrachloroethylene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Toluene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,1,1-Trichloroethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Trichloroethylene	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Trichlorofluoromethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Vinyl Chloride	<0.3	<0.3	<0.3	µg/L	EPA 524.2
Total Xylenes	<1	<1	<1	µg/L	EPA 524.2
Non-Volatile Synthetic Organic Chemicals (SOCs)					
Alachlor (Alanex)	<0.1	<0.1	<0.1	µg/L	EPA 505
Atrazine	<0.05	<0.05	<0.05	µg/L	EPA 525.2
Bentazon	<0.5	<0.5	<0.5	µg/L	EPA 515.4
Benzo(a)pyrene	<0.02	<0.02	<0.02	µg/L	EPA 525.2
Carbofuran	<0.5	<0.5	<0.5	µg/L	EPA531.2
Chlordane	<0.1	<0.1	<0.1	µg/L	EPA 505
2,4-D	<0.1	<0.1	<0.1	µg/L	EPA 515.4
Dalapon	<1	<1	<1	µg/L	EPA 515.4
Dibromochloropropane	<0.01	<0.01	<0.01	µg/L	EPA 504.1
Di(2-ethylhexyl)adipate	<0.6	<0.6	<0.6	µg/L	EPA 525.2
Di(2-ethylhexyl)phthalate	<0.6	3.7	1.1	µg/L	EPA 525.2
Dinoseb	<0.2	<0.2	<0.2	µg/L	EPA 515.4
Diquat	<0.4	<0.4	<0.4	µg/L	EPA 549.2
Endothall	<5	<5	<5	µg/L	EPA 548.1

Table 2-6
Diluent Water Monitoring Results

Constituent	West Cucamonga Channel - 7th & 8th Street	Cucamonga Creek - Turner 1 & 2	Deer Creek - Turner Drop Inlet	Unit	Method
Endrin	<0.01	<0.01	<0.01	µg/L	EPA 505
Ethylene Dibromide	<0.01	<0.01	<0.01	µg/L	EPA 504.1
Glyphosate	22	<6	38	µg/L	EPA 547
Heptachlor	<0.01	<0.01	<0.01	µg/L	EPA 505
Heptachlor Epoxide	<0.01	<0.01	<0.01	µg/L	EPA 505
Hexachlorobenzene	<0.05	<0.05	<0.05	µg/L	EPA 525.2
Hexachlorocyclopentadiene	<0.05	<0.05	<0.05	µg/L	EPA 525.2
Lindane	<0.01	<0.01	<0.01	µg/L	EPA 505
Methoxychlor	<0.05	<0.05	<0.05	µg/L	EPA 505
Molinate	<0.1	<0.1	<0.1	µg/L	EPA 525.2
Oxamyl	<0.5	<0.5	<0.5	µg/L	EPA 531.2
Pentachlorophenol	<0.04	<0.04	<0.04	µg/L	EPA 515.4
Picloram	<0.1	<0.1	<0.1	µg/L	EPA 515.4
PCB 1016	<0.08	<0.08	<0.08	µg/L	EPA 505
PCB 1221	<0.1	<0.1	<0.1	µg/L	EPA 505
PCB 1232	<0.1	<0.1	<0.1	µg/L	EPA 505
PCB 1242	<0.1	<0.1	<0.1	µg/L	EPA 505
PCB 1248	<0.1	<0.1	<0.1	µg/L	EPA 505
PCB 1254	<0.1	<0.1	<0.1	µg/L	EPA 505
PCB 1260	<0.1	<0.1	<0.1	µg/L	EPA 505
Simazine	<0.05	<0.05	<0.05	µg/L	EPA 525.2
Thiobencarb	<0.2	<0.2	<0.2	µg/L	EPA 525.2
Toxaphene	<0.5	<0.5	<0.5	µg/L	EPA 505
2,3,7,8-TCDD (Dioxin)	<5	<5	<5	pg/L	EPA 1613
2,4,5-TP (Silvex)	<0.2	<0.2	<0.2	µg/L	EPA 515.4
Disinfection Byproducts					
Total Trihalomethanes (TTHMs)	<0.5	<0.5	<0.5	µg/L	EPA 524.2/624
Total Haloacetic Acids (HAA5)	3.2	72	24	µg/L	S6251B
Bromate	<5	<5	18	µg/L	EPA 300.1
Chlorite	<0.01	0.01	0.01	mg/L	EPA 300.0
Notification Level Chemicals					
Copper	11.0	20.0	18.4	µg/L	EPA 200.7
Lead	0.6	<0.5	<0.5	µg/L	EPA 200.8
Radionuclides					
Combined Radium-226 and Radium 228	<0.984	<0.912	<0.677	pCi/L	EPA 903.0
Gross Alpha Particle Activity	<3.00	<3.00	<3	pCi/L	EPA 900.0
Tritium	190	<189	<182	pCi/L	EPA 906
Strontium-90	<0.745	<0.706	<0.792	pCi/L	EPA 905
Gross Beta Particle Activity	15	6	5	pCi/L	EPA 900.0
Uranium	0.94	1.1	<0.7	pCi/L	EPA 200.8
Unregulated Chemicals					
Boron	<0.1	0.2	0.2	mg/L	EPA 200.7
Chromium VI	0.4	1.7	1.1	µg/L	EPA 218.6
Dichlorodifluoromethane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Ethyl tertiary butyl ether	<3	<3	<3	µg/L	EPA 524.2
N-nitrosodimethylamine (NDMA)	6.8	<4	<2	ng/L	1625MOD
Perchlorate	<4	<4	<4	µg/L	EPA 314
Tertiary amyl methyl ether	<3	<3	<3	µg/L	EPA 524.2
Tertiary butyl alcohol	<2	<2	<2	µg/L	542.2 MOD
Vanadium	7.1	15.3	18.5	µg/L	EPA 200.8
1,4 - Dioxane	<2	2.1	<2	µg/L	8270MOD
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	µg/L	EPA 524.2
Secondary Maximum Contaminant Level Chemicals					
Aluminum	101	<25	48	µg/L	EPA 200.7
Corrosivity	0.5	3.0	2.8	SI	SM 2330B
Foaming Agents (MBAS)	0.79	<0.05	<0.05	mg/L	S5540C/EPA 425.1
Iron	204	45	117	µg/L	EPA 200.7
Manganese	6	5	8	µg/L	EPA 200.7
Odor--Threshold	8	67	3	TON	SM 2150B
Silver	<0.25	<0.25	<0.25	µg/L	EPA 200.7
Thiobencarb	<0.2	<0.2	<0.2	µg/L	EPA 525.2
Zinc	20	7	15	µg/L	EPA 200.7

Table 2-7
Summary of Wells in Groundwater Monitoring Networks

BASIN	CBWM_ID	OWNER/LOCAL NAME	SEPARATION DISTANCE (feet)	SCREENED INTERVAL(S) (feet bgs)	CASING DIAMETER (inches)	STATUS	TYPE
Hickory and Banana Basins	3600573	Fontana Water Company - F37a	2240 upgradient	378-810	20	Active	Municipal
	600660	California Speedway - Infield Well	2070 downgradient	NA	NA	Active	Industrial
	3601365	California Speedway 2	2780 downgradient	451-455, 491-603, & 664-780	20	Active	Industrial
	3600371	Reliant Energy - East Well	4070 downgradient	434-467, 500-513, 553-580, 593-652, & 825-847	20	Active	Industrial
	3602267	City Of Ontario - 20	14500 downgradient	NA	20	Active	Municipal
	601001	Inland Empire Utilities Agency - BH-1/1	340 downgradient	365-405	4	Active	Monitoring
	601002	Inland Empire Utilities Agency - BH-1/2	340 downgradient	435-475	4	Active	Monitoring
Turner Basins	3601065	City Of Ontario - 19	2200 upgradient	NA	16	Inactive	Municipal
	3600010	City Of Ontario - 25	2530 crossgradient	370-903	20	Active	Municipal
	600453	City Of Ontario - 29	2810 downgradient	400-1095	18	Active	Municipal
	600585	City of Ontario - 38*	4600 crossgradient	500-1010	16	Active	Municipal
	600997	Inland Empire Utilities Agency - TRN-1/1	50 downgradient	340-360	4	Active	Monitoring
	600998	Inland Empire Utilities Agency - TRN-1/2	50 downgradient	380-400	4	Active	Monitoring
	600999	Inland Empire Utilities Agency - TRN-2/1	50 downgradient	350-370	4	Active	Monitoring
	601000	Inland Empire Utilities Agency - TRN-2/2	50 downgradient	392-412	4	Active	Monitoring
7th & 8th Street Basins	3601561	San Antonio Water Company No. 12	740 downgradient	379-480, 525-563, 578-609, & 634-679	16	Inactive	Municipal
	3601772	City of Ontario No. 4	3429 downgradient	526-910	16-20	Inactive	Municipal
	--	City of Ontario No. 51	3402 downgradient	Not Yet Constructed	NA	NA	Municipal
	600493	City of Ontario No. 35	9695 downgradient	580-1020	18-36	Active	Municipal
	--	Inland Empire Utilities Agency - 8th-1/1	150 downgradient	495-535	4	Active	Monitoring
	--	Inland Empire Utilities Agency - 8th-1/2	150 downgradient	595-645	4	Active	Monitoring
	--	Inland Empire Utilities Agency - 8th-2/1	2460 downgradient	465-505	4	Active	Monitoring
	--	Inland Empire Utilities Agency - 8th-2/2	2460 downgradient	576-616	4	Active	Monitoring
Ely Basin	601003	Ely Basin MW-1, Philadelphia Well (Casing 3)	100 downgradient	280 - 300	2	NA	Monitoring
	601004	Ely Basin MW-2, Walnut Well (Casing 2)	3050 downgradient	290 - 310	4	NA	Monitoring
	3600975	Riverside Drive Well (43840-CWW)	6046 downgradient	NA	NA	Active	Private Irrigation
	600134	Bishop Of San Bernardino Corp. - DOM	6500 downgradient	NA	NA	Active	Private Domestic

Notes:
NA = Data not available
CBWM ID = Chino Basin Water Master well identification number
bgs = below ground surface
* = Ontario Well No. 38 has taken the place of Ontario Well No. 19, which is inactive

Table 2-8
Groundwater Monitoring Results (Quarterly)

	Sample Location	Date	TOC (mg/L)	Total Coliform (MPN/100mL)	pH	EC (µmho/cm)	TDS (mg/L)	Al (µg/L)	Color (units)	Cu (µg/L)	Corrosivity Index (SI)	Foaming Agents (mg/L)	Fe (µg/L)	Mn (µg/L)	MTBE (µg/L)	Odor Threshold (TON)	Ag (µg/L)	Thiobencarb (µg/L)	Turbidity (NTU)	Zn (µg/L)	Cl (mg/L)	Hardness (mg $CaCO_3$/L)	Na (mg/L)	SO_4 (mg/L)	NH_3-N (mg/L)	NO_2-N (mg/L)	NO_3-N (mg/L)	Nitrogen, Total (mg/L)	TKN (mg/L)	Alkalinity (mg $CaCO_3$/L)	Dissolved Oxygen (mg/L)
Banana & Hickory Basins	Fontana Water Company F37a	4/9/08	0.1	<1.1	7.63	455	288	43	<3	39.1	0.5	<0.05	233	9	<0.5	2	<0.25	<0.2	1.50	8	16	217	19	14	<0.1	0.04	10.2	10.2	<0.5	175	8.6
	California Speedway Infield Well	4/9/08	0.5	<1.1	6.65	470	308	<25	<3	2.9	0.4	<0.05	23	1	<0.5	1	<0.25	<0.2	0.15	3	14	229	21	39	<0.1	0.05	7.9	7.9	<0.5	169	7.9
	California Speedway 2	4/9/08	0.5	<1.1	7.94	264	236	<25	<3	1.6	0.2	<0.05	14	3	<0.5	1	<0.25	<0.2	0.22	30	11	167	19	14	<0.1	0.06	3.8	3.8	<0.5	158	6.8
	Reliant Energy East Well	4/24/08	0.3	<1.1	7.20	375	262	88	<3	2.5	0.0	<0.05	231	18	<0.5	1	<0.25	<0.2	1.47	1	17	160	18	20	<0.1	<0.01	8.4	8.5	<0.5	119	6.5
	Ontario Well No. 20	4/3/08	0.5	<1.1	7.90	330	204	<25	<3	3.7	0.4	<0.05	3	<1	<0.5	2	<0.25	<0.2	0.36	3	5	167	14	6	<0.1	0.19	1.6	1.8	<0.5	162	7.3
	BH-1/2	4/11/08	0.7	<1.1	7.20	412	264	<25	<3	<0.5	0.2	<0.05	20	3	<0.5	1	<0.25	<0.2	0.25	3	40	182	20	24	<0.1	0.13	2.7	2.8	<0.5	118	7.4
	BH-1/2	4/26/08	0.5		7.02	415													0.47						<0.1	<0.01	2.4	2.4		117	7.9
Turner Basins	Ontario Well No. 25	4/3/08	0.5	<1.1	7.65	420	272	<25	<3	1.7	0.3	<0.05	6	<1	<0.5	2	<0.25	<0.2	0.15	<1	14	197	22	19	<0.1	0.18	4.2	4.4	<0.5	177	6.6
	Ontario Well No. 29	4/3/08	0.5	<1.1	7.52	355	230	<25	<3	3.7	0.3	<0.05	1	<1	<0.5	2	<0.25	<0.2	0.26	2	12	159	24	16	<0.1	0.17	3.4	3.5	<0.5	153	8.9
	Ontario Well No. 38	4/3/08	0.5	<1.1	7.93	300	190	<25	<3	1.9	0.3	<0.05	7	<1	<0.5	2	<0.25	<0.2	0.21	<1	4	138	21	9	<0.1	0.18	1.1	1.3	<0.5	152	7.1
	T-1/2	4/7/08	1.0	<1.1	7.57	630	380	<25	<3	0.7	0.1	<0.05	20	1	<0.5	1	<0.25	<0.2	0.95	1	91	275	29	33	<0.1	<0.01	0.2	0.3	<0.5	153	6.9
	T-2/1	4/7/08	0.9	<1.1	7.59	480	296	<25	<3	0.6	0.1	<0.05	54	3	<0.5	1	<0.25	<0.2	0.89	<1	72	194	27	19	<0.1	<0.01	0.7	0.8	<0.5	117	8.8
	T-2/2	4/7/08	1.0	<1.1	7.64	505	330	<25	<3	<0.5	-0.1	<0.05	9	<1	<0.5	1	<0.25	<0.2	0.81	1	82	213	20	27	<0.1	<0.01	0.7	0.7	<0.5	96	8.3
7th & 8th St. Basins	8TH-1/1	4/16/08	0.9	<1.1	7.95	220	154	<25	<3	0.6	0.1	<0.05	23	4	<0.5	2	<0.25	<0.2	0.55	<1	5	95	18	8	<0.1	<0.01	1.3	1.7	<0.5	100	7.2
	8TH-1/1	6/10/08	0.4			195																				<0.01	1.0		<0.5		
	8TH-1/1	6/17/08	0.5			200																			<0.1	<0.01	1.0	1.0	<0.5		
	8TH-1/1	6/24/08	0.6			215																			0.1	<0.01	0.9	1.4	0.5		
	8TH-1/2	4/16/08	0.4	<1.1	7.36	355	236	<25	<3	<0.5	0.0	<0.05	11	5	<0.5	2	<0.25	<0.2	0.44	<1	14	166	18	14	<0.1	<0.01	6.7	6.8	<0.5	133	7.6
	8TH-1/2	6/10/08	0.1			335																				<0.01	6.7	6.8	<0.5		
	8TH-1/2	6/17/08	0.3			350																			<0.1	<0.01	6.6		<0.5		
	8TH-1/2	6/24/08	0.4			370																			<0.1	<0.01	6.7	6.7	<0.5		
	8TH-2/1	4/17/08	0.5	<1.1	7.48	615	436	<25		<0.5	0.4		11	5			<0.25		0.18	2	18	289	20	64	<0.1	0.08	30.2	30.3	<0.5	128	8.2
	8TH-2/1	4/23/08							<3			<0.05			<0.5	1		<0.2													
	8TH-2/2	4/23/08	0.2	<1.1	7.24	520	338	<25	<3	<0.5	0.0	<0.05	21	6	<0.5	1	<0.25	<0.2	0.14	1	17	245	19	37	<0.1	<0.01	18.1	18.1	<0.5	153	8.7
Ely Basins	Ely Basin MW-1 Philadelphia St.	4/9/08	0.7	<1.1	8.75	245	148	28	3	<0.5	0.3	<0.05	294	14	<0.5	1	<0.25	<0.2	0.87	2	25	96	20	3	<0.1	<0.01	0.2	0.2	<0.5	83	0.9
	Ely Basin MW-2 Walnut St.	4/24/08	0.9	<1.1	7.22	1220	836	577	20	4.0	0.5	<0.05	4364	21	<0.5	2	<0.25	<0.2	42.8	6	111	571	32	60	<0.1	<0.01	44.5	44.5	<0.5	243	7.4
	Riverside Drive Well (43840-CWW)	4/7/08	0.6	<1.1	7.45	480	302	<25	<3	0.5	0.2	<0.05	<15	<1	<0.5	2	<0.25	<0.2	0.70	5	21	232	22	32	<0.1	<0.01	8.0	8.0	<0.5	165	7.3
Background Data	BRK-1/1	4/10/08	1.5	<1.1	7.71	355	248	878	<3	1.4	-0.1	<0.05	132	7	<0.5	1	<0.25	<0.2	8.45	3	16	105	42	28	<0.1	0.02	1.7	1.8	<0.5	126	5.5
	BRK-1/2	4/10/08	0.6	<1.1	7.86	530	340	<25	<3	<0.5	0.4	<0.05	11	3	<0.5	1	<0.25	<0.2	0.89	<1	14	269	15	37	<0.1	0.02	16.6	16.6	<0.5	152	7.1
	BRK-2/1	4/10/08	0.5	<1.1	7.59	555	344	31	5	0.8	0.4	<0.05	316	12	<0.5	1	<0.25	<0.2	1.84	2	34	297	14	34	<0.1	0.02	8.5	8.5	<0.5	173	8.2
	BRK-2/2	4/10/08	0.2	<1.1	8.33	315	206	<25	<3	0.7	0.1	<0.05	25	8	<0.5	3	<0.25	<0.2	0.59	1	7	82	44	25	<0.1	<0.01	2.8	2.8	<0.5	115	1.2
	DCZ-1	4/11/08	1.4	<1.1	7.24	310	186	<25	<3	0.8	0.2	<0.05	136	164	<0.5	2	<0.25	<0.2	1.90	1	12	118	30	13	<0.1	0.15	1.0	1.1	<0.5	134	3.1
	RP3-1/1	4/11/08	1.8	<1.1	6.24	1060	708	<25	3	1.8	0.4	<0.05	13	273	<0.5	3	<0.25	<0.2	0.20	1	27	408	94	63	<0.1	0.73	<0.1	0.7	<0.5	345	0.5
	RP3-1/2	4/11/08	1.8	<1.1	6.23	900	600	<25	3	2.0	0.3	<0.05	67	130	<0.5	2	<0.25	<0.2	0.21	2	36	359	81	50	<0.1	0.34	<0.1	0.3	<0.5	338	1.2

Blank cells indicate that analysis was not run for a constituent on that particular date. On certain dates, supplemental analysis was conducted on BH-1/2, 8th St-1/1, 8th St-1/2, and 8th St-2/1. On those occasions, a full set of analysis was not necessary and only parameters of interest were analyzed.

Table 3-1
Diluent & Recycled Water Recharge Volume (Acre-Feet)

	Diluent Water														
	Imported Water					Local Runoff / Storm Flow					Recycled Water				
Date	7th & 8th St.	Ely	Turner	Hickory	Banana	7th & 8th St.	Ely	Turner	Hickory	Banana	7th & 8th St.	Ely	Turner	Hickory	Banana
Apr-07	0	0	0	0	0	89	59	8	50	29	0	41	22	63	4
May-07	0	0	0	0	0	42	14	20	58	37	0	40	136	0	6
Jun-07	0	0	0	0	0	42	18	11	90	0	0	7	3	0	0
2Q07 Totals	**0**	**0**	**0**	**0**	**0**	**173**	**91**	**68**	**306**	**133**	**0**	**88**	**319**	**126**	**19**
Jul-07	0	0	0	0	0	16	26	5	93	0	0	0	0	141	0
Aug-07	0	0	0	0	0	16	29	48	93	0	0	0	0	78	0
Sep-07	0	0	0	0	0	17	34	16	92	3	128	0	0	15	0
3Q07 Totals	**0**	**0**	**0**	**0**	**0**	**49**	**89**	**69**	**278**	**3**	**128**	**0**	**0**	**234**	**0**
Oct-07	0	0	0	0	0	42	34	65	73	2	109	0	0	23	0
Nov-07	0	0	0	0	0	81	166	162	102	35	161	87	0	98	0
Dec-07	0	0	0	0	0	224	257	277	102	22	0	53	0	0	0
4Q07 Totals	**0**	**0**	**0**	**0**	**0**	**347**	**457**	**504**	**277**	**59**	**270**	**140**	**0**	**121**	**0**
Jan-08	0	0	0	0	0	328	793	454	126	130	1	0	0	0	0
Feb-08	0	0	0	0	0	98	233	260	97	75	157	0	0	97	0
Mar-08	0	0	0	0	0	21	82	17	44	0	164	116	0	80	0
1Q08 Totals	**0**	**0**	**0**	**0**	**0**	**447**	**1108**	**731**	**267**	**205**	**322**	**116**	**0**	**177**	**0**
Apr-08	0	0	0	0	0	11	170	18	64	0	90	116	0	7	47
May-08	0	0	0	0	0	90	137	181	39	3	158	87	0	86	38
Jun-08	0	0	0	0	0	15	123	39	24	8	86	103	0	0	72
2Q08 Totals	**0**	**0**	**0**	**0**	**0**	**116**	**430**	**238**	**127**	**11**	**334**	**306**	**0**	**93**	**157**

Note: (-) Negative values indicate more water pumped from the basin than was routed to the basin.
Diluent water at Ely Basin does not included discharge of treated groundwater

Table 6-1
MVWD ASR Project - TIN/TDS Mass Balance

	ASR Well No. 4									
		Injection			Recovery			Mass Balance		
	Date	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Storage (AF)	TIN (kg)	TDS (kg)
1Q08	Jan-08	0			0			0	0	0
	Feb-08	0			0			0	0	0
	Mar-08	40	0.87	290	0			40	43	14,307
2Q08	Apr-08	42	1.10	350	0			82	99	32,273
	May-08	0	1.10	350	98	7.5*	372*	(16)	(805)	(12,728)
	Jun-08	0	1.10	350	107	14	360	(123)	(2,645)	(60,049)

	ASR Well No. 30									
		Injection			Recovery			Mass Balance		
	Date	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Storage (AF)	TIN (kg)	TDS (kg)
3Q07	Jul-07	136	0.53	270	0			243	214	80,909
	Aug-07	71	0.53	270	0			314	261	104,598
	Sep-07	47	0.53	270	0			362	292	120,413
4Q07	Oct-07	123	0.13	310	0			484	312	167,280
	Nov-07	13	0.13	310	0			497	314	172,181
	Dec-07	67	0.13	310	0			564	324	197,792
1Q08	Jan-08	132	0.87	290	0			696	466	244,894
	Feb-08	81	0.87	290	0			777	553	273,947
	Mar-08	99	0.87	290	0			876	659	309,405
2Q08	Apr-08	89	1.10	350	0			965	780	348,001
	May-08	0	1.10	350	0			965	780	348,001
	Jun-08	0	1.10	350	286	3.5*	310*	680	(436)	238,737

	ASR Well No. 32									
		Injection			Recovery			Mass Balance		
	Date	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Volume (AF)	TIN (mg/L)	TDS (mg/L)	Storage (AF)	TIN (kg)	TDS (kg)
1Q08	Jan-08	0			0			0	0	0
	Feb-08	33	0.87	290	0			33	35	11,813
	Mar-08	118	0.87	290	0			151	162	54,139
2Q08	Apr-08	89	1.10	350	0			241	284	92,736
	May-08	0	1.10	350	0			241	284	92,736
	Jun-08	0	1.10	350	6	**	**	235	**	**

The injected water is WFA-treated water, which meets CCR Title 22 drinking water standards.
During 2Q08, WFA-treated water was sampled for TDS and TIN (NO_3-N + NO_2-N, assuming no NH_3-N in drinking water) on 04/15/08.
MVWD discontinued groundwater injection at ASR Wells 4, 30, and 32, effective May 1, 2008, until further notice.
All wells were placed into production (extraction) mode during 2Q08.
* Wells w/ 2+ sampling events for the month show an avg. of those values. Individual values are at the bottom of the page.
** Well is not required to sample until it reaches 20% extraction. Mass balance will be calculated after 20% threshold has been reached.

	Total Project (All Wells)			
		Mass Balance		
	Date	Storage (AF)	TIN (kg)	TDS (kg)
3Q07	Jul-07	243	214	80,909
	Aug-07	314	261	104,598
	Sep-07	362	292	120,413
4Q07	Oct-07	484	312	167,280
	Nov-07	497	314	172,181
	Dec-07	564	324	197,792
1Q08	Jan-08	696	466	244,894
	Feb-08	810	588	285,760
	Mar-08	1,067	865	377,851
2Q08	Apr-08	1,288	1,164	473,010
	May-08	1,189	259	428,008
	Jun-08	791	(2,797)	271,424

Well 4	TIN	TDS	Est. Prod
5/7/08	4.1	360	20%
5/9/08	6.9	370	40%
5/12/08	6.9	370	60%
5/27/08	12	390	80%
6/6/08	14	360	100%

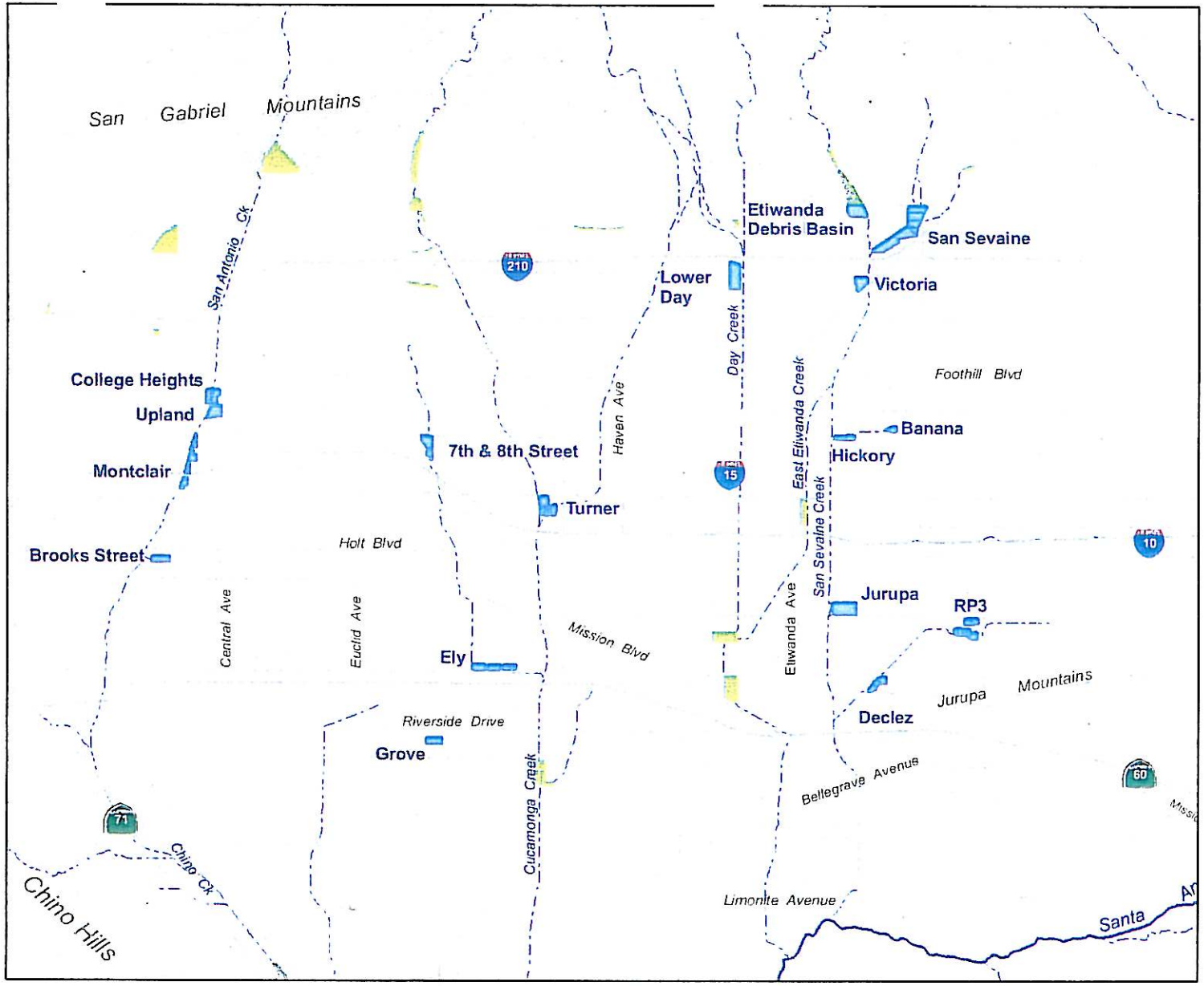
Well 30	TIN	TDS	Est. Prod
6/5/08	2.0	310	20%
6/26/08	4.9	310	40%

Table 7-1
WateReuse Study Results

·tituent	SAWCO Well No. 12 Sample 1	SAWCO Well No. 12 Sample 2	8th Street Basin 1/1	8th Street Basin 2/1	Unit	Method
-Trichloroethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,1,2,2-Tetrachloroethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,1,2-Trichloroethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,1-Dichloroethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,1-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,2,3-Trichloropropane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,2,4-Trichlorobenzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,2,4-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,2-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,2-Dichloroethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
cis-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
trans-1,2-Dichloroethylene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,2-Dichloropropane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,3,5-Trimethylbenzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,3-Dichloropropene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,4-Dichlorobenzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
1,4-Dioxane	<2	<2	<2	<2	µg/L	ML/SW 8270 mod
2,4,6-trichlorophenol	<5	<5	<5	<5	µg/L	ML/EPA625/8270
2,4-D	<0.1	<0.1	<0.1	<0.1	µg/L	ML/EPA 515.4
2,4-dichlorophenol	<5	<5	<5	<5	µg/L	ML/EPA625/8270
2,4-dinitrophenol	<50	<50	<50	<50	µg/L	ML/EPA625/8270
2,4-dinitrotoluene	<0.1	<0.1	<0.1	<0.1	µg/L	ML/EPA 525.2
2,6-dinitrotoluene	<5	<5	<5	<5	µg/L	ML/EPA625/8270
2-chlorotoluene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
4-chlorotoluene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Alachlor	<0.05	<0.05	<0.05	<0.05	µg/L	ML/EPA 525.2
Aluminum	39	<25	<25	<25	µg/L	EPA 200.8
ıony	<0.5	<0.5	<0.5	<0.5	µg/L	EPA 200.8
;nic	<2	<2	<2	<2	µg/L	EPA 200.8
Atrazine	0.1	0.1	0.1	<0.05	µg/L	ML/EPA 525.2
Barium	32	28	26	65	µg/L	EPA 200.8
Bentazon	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 515.4
Benzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Benzo(a)pyrene	<0.02	<0.02	<0.02	<0.02	µg/L	ML/EPA 525.2
Beryllium	<0.5	<0.5	<0.5	<0.5	µg/L	EPA 200.8
Boron	<0.1	<0.1	<0.1	<0.1	mg/L	EPA 200.7
Bromate	<3	<1	<3	<1	µg/L	EPA 317
Butylbenzene-n	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Butylbenzene-sec	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Butylbenzene-tert	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Cadmium	<0.25	<0.25	<0.25	<0.25	µg/L	EPA 200.8
Carbofuran	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 531.2
Carbon Disulfide	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 624
Carbon Tetrachloride	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Chlorate	63	63	14	<10	µg/L	ML/EPA 300.0
Chlordane	<0.1	<0.1	<0.1	<0.1	µg/L	ML/EPA 505
Chlorite	<0.01	<0.01	<0.01	<0.01	mg/l	ML/EPA 300.0
Chromium	2.6	2.8	2.1	4.6	µg/L	EPA 200.8
Chromium-6	1.8	1.5	1.0	4.1	µg/L	EPA 218.6
Copper	702	11.4	0.6	<0.5	µg/L	EPA 200.8
Cyanide	<0.006	<0.006	<0.006	<0.006	mg/L	SM 4500-CN E
Dalapon	<1	<1	<1	<1	µg/L	ML/EPA 515.4
Diazinon	<0.1	<0.1	<0.1	<0.1	µg/L	ML/EPA 525.2
Dibromochloropropane (DBCP)	<0.01	<0.01	<0.01	<0.01	µg/L	ML/EPA 504.1
Dichlorodifluoromethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Dichloromethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
ethylhexyl)adipate	<0.6	<0.6	<0.6	<0.6	µg/L	ML/EPA 525.2
z-ethylhexyl)phthalate	<0.6	<0.6	93	68	µg/L	ML/EPA 525.2

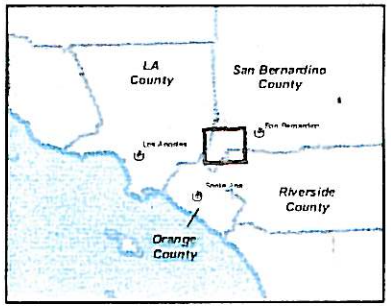
Table 7-1
WateReuse Study Results

tituent	SAWCO Well No. 12 Sample 1	SAWCO Well No. 12 Sample 2	8th Street Basin 1/1	8th Street Basin 2/1	Unit	Method
,eb	<0.2	<0.2	<0.2	<0.2	µg/L	ML/EPA 515.4
Diquat	<0.4	<0.4	<0.4	<0.4	µg/L	ML/EPA 549.2
EC	310	320	220	615	µmhos/cm	SM 2510
Endothall	<20	<5	<5	<20	µg/L	EPA 548.1
Endrin	<0.01	<0.01	<0.01	<0.01	µg/L	ML/EPA 505
Ethyl tertiary butyl ether	<3	<3	<3	<3	µg/L	ML/EPA 524.2
Ethylbenzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Ethylene Dibromide (EDB)	<0.01	<0.01	<0.01	<0.01	µg/L	ML/EPA 504.1
Fluoride	0.4	0.4	0.4	0.3	mg/L	EPA 300.0
Formaldehyde	<5	5.1	<5	<5	µg/L	ML/SM 6252
Glyphosate	<6	<6	<6	<6	µg/L	EPA 547
Total Haloacetic Acids (HAA5)	<1	<1	<1	<1	µg/L	ML/S6251B
Heptachlor	<0.01	<0.01	<0.01	<0.01	µg/L	ML/EPA 525.2
Heptachlor Epoxide	<0.01	<0.01	<0.01	<0.01	µg/L	ML/EPA 525.2
Hexachlorobenzene	<0.05	<0.05	<0.05	<0.05	µg/L	ML/EPA 525.2
Hexachlorocyclopentadiene	<0.05	<0.05	<0.05	<0.05	µg/L	ML/EPA 525.2
Isopropylbenzene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Lead	16	6.8	<0.5	<0.5	µg/L	EPA 200.8
Lindane	<0.01	<0.01	<0.01	<0.01	µg/L	ML/EPA 505
Manganese	9	6	4	5	µg/L	EPA 200.8
Mercury	<0.2	<0.2	<0.2	<0.2	µg/L	EPA 245.2
Methoxychlor	<0.05	<0.05	<0.1	<0.05	µg/L	ML/EPA 505
Methyl isobutyl ketone (MIBK)	<5	<5	<5	<5	µg/L	ML/EPA 524.2
Methyl-tert-butyl ether (MTBE)	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Molinate	<0.1	<0.1	<0.1	<0.1	µg/L	ML/EPA 525.2
Naphthalene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Nickel	2	3	3	3	µg/L	EPA 200.8
Nitrate Nitrogen	4.2	5.0	1.3	30.2	mg/L	EPA 300.0
Nitrogen	0.02	0.12	<0.01	0.08	mg/L	EPA 300.0
benzene	<5	<5	<5	<5	µg/L	ML/EPA625/8270
N-nitrosodiethylamine (NDEA)	<2	<2	<2	<5	ng/l	ML/EPA 521
N-Nitrosodimethylamine (NDMA)	<2	<2	<2	<2	ng/l	ML/EPA 521
N-nitrosodi-n-propylamine (NDPA)	<2	<2	<2	<7	ng/l	ML/EPA 521
n-propylbenzene (isocumene)	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Oxamyl	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 531.2
Pentachlorophenol	<0.04	<0.04	<0.04	<0.04	µg/L	ML/EPA 515.4
Perchlorate	<4	<4	<4	18	µg/L	EPA 314
Picloram	<0.1	<0.1	<0.1	<0.1	µg/L	ML/EPA 515.4
Polychlorinated Biphenyls	<0.08	<0.08	<0.08	<0.08	µg/L	ML/EPA 505
Propachlor	<0.05	<0.05	<0.05	<0.05	µg/L	ML/EPA 525.2
Selenium	<2	<2	<2	<2	µg/L	EPA 200.8
2,4,5-TP (Silvex)	<0.2	<0.2	<0.2	<0.2	µg/L	ML/EPA 515.4
Simazine	<0.05	<0.05	0.20	0.1	µg/L	ML/EPA 525.2
Styrene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Tertiary amyl methyl ether	<3	<3	<3	<3	µg/L	ML/EPA 524.2
Tertiary butyl alcohol	<2	<2	<2	<2	µg/L	ML/524.2
Tetrachloroethylene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Thallium	<1	<1	<1	<1	µg/L	EPA 200.8
Thiobencarb	<0.2	<0.2	<0.2	<0.2	µg/L	ML/EPA 525.2
Toluene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Total Nitrate/Nitrite (as N)	4.2	5.1	1.3	30.3	mg/L	EPA 300.0
Total Trihalomethanes (THM)	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Toxaphene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 505
Trichloroethylene	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 524.2
Trichlorofluoromethane	<0.5	<0.5	<0.5	<0.5	µg/L	ML/EPA 624
Vanadium	2	4	5	4	µg/L	EPA 200.8
Vinyl Chloride	<0.3	<0.3	<0.3	<0.3	µg/L	ML/EPA 524.2
es	<1.5	<1	<1.5	<1.5	µg/L	ML/EPA 524.2



Main Map Features

- Recharge Basins in the Recycled Wate Groundwater Recharge Program
- Non-program basins
- Rivers and Streams



0 2 4 Miles

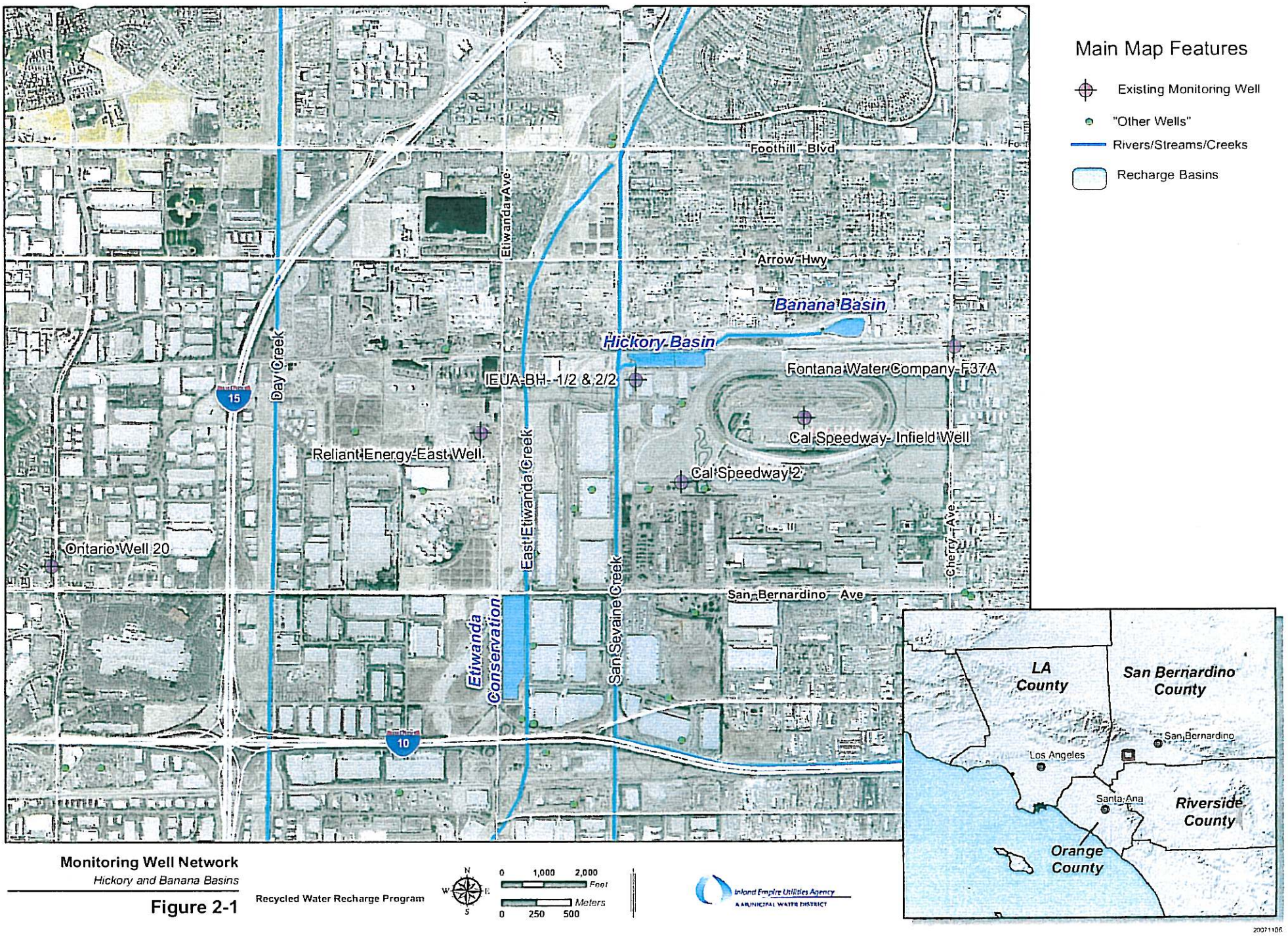
0 4 8 Kilometers

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Chino Basin Recycled Water Groundwater Recharge Programs

Basin Locations

Figure 1-1



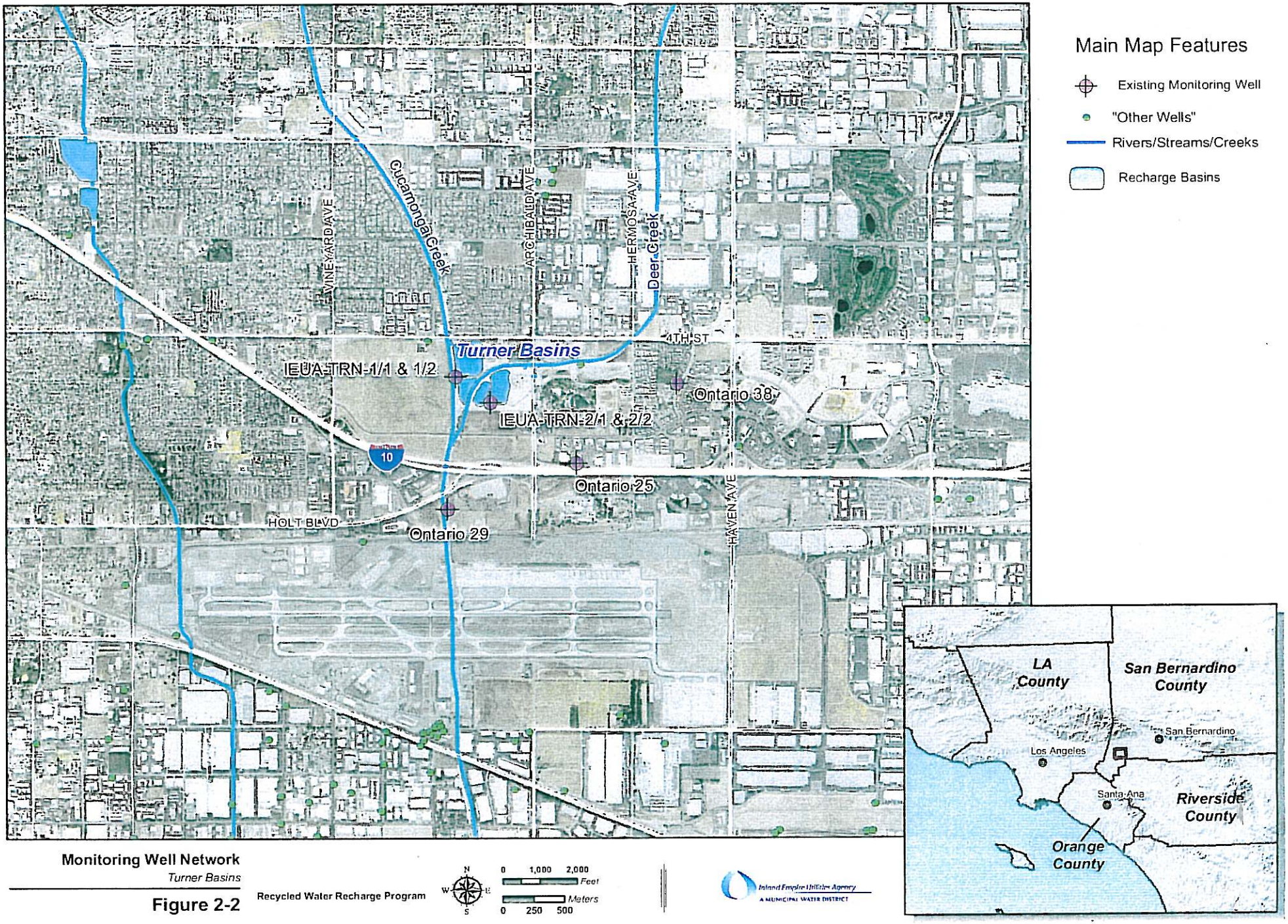
Monitoring Well Network

Hickory and Banana Basins

Figure 2-1

Recycled Water Recharge Program

20071106

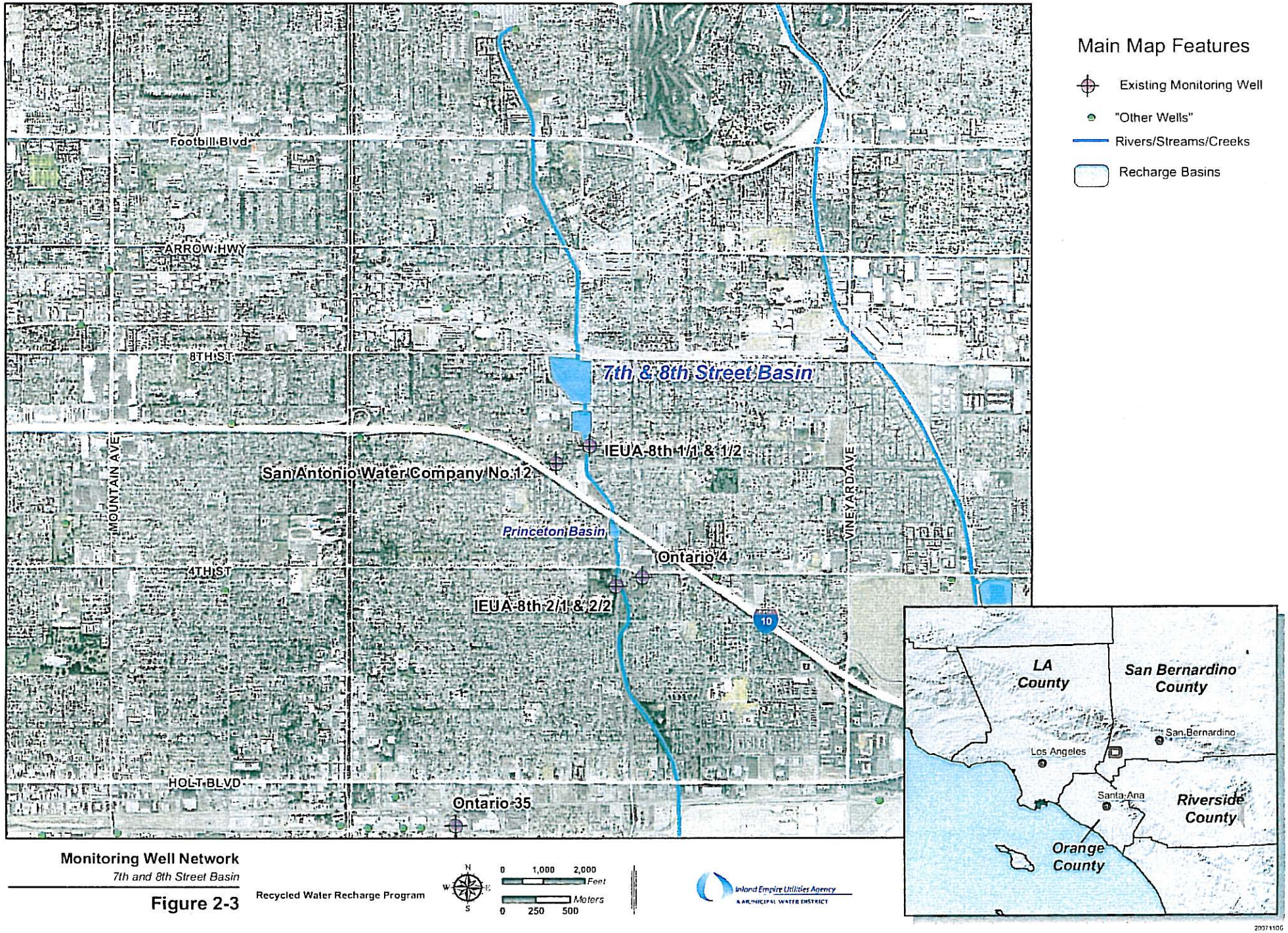


Monitoring Well Network

Turner Basins

Figure 2-2

Recycled Water Recharge Program

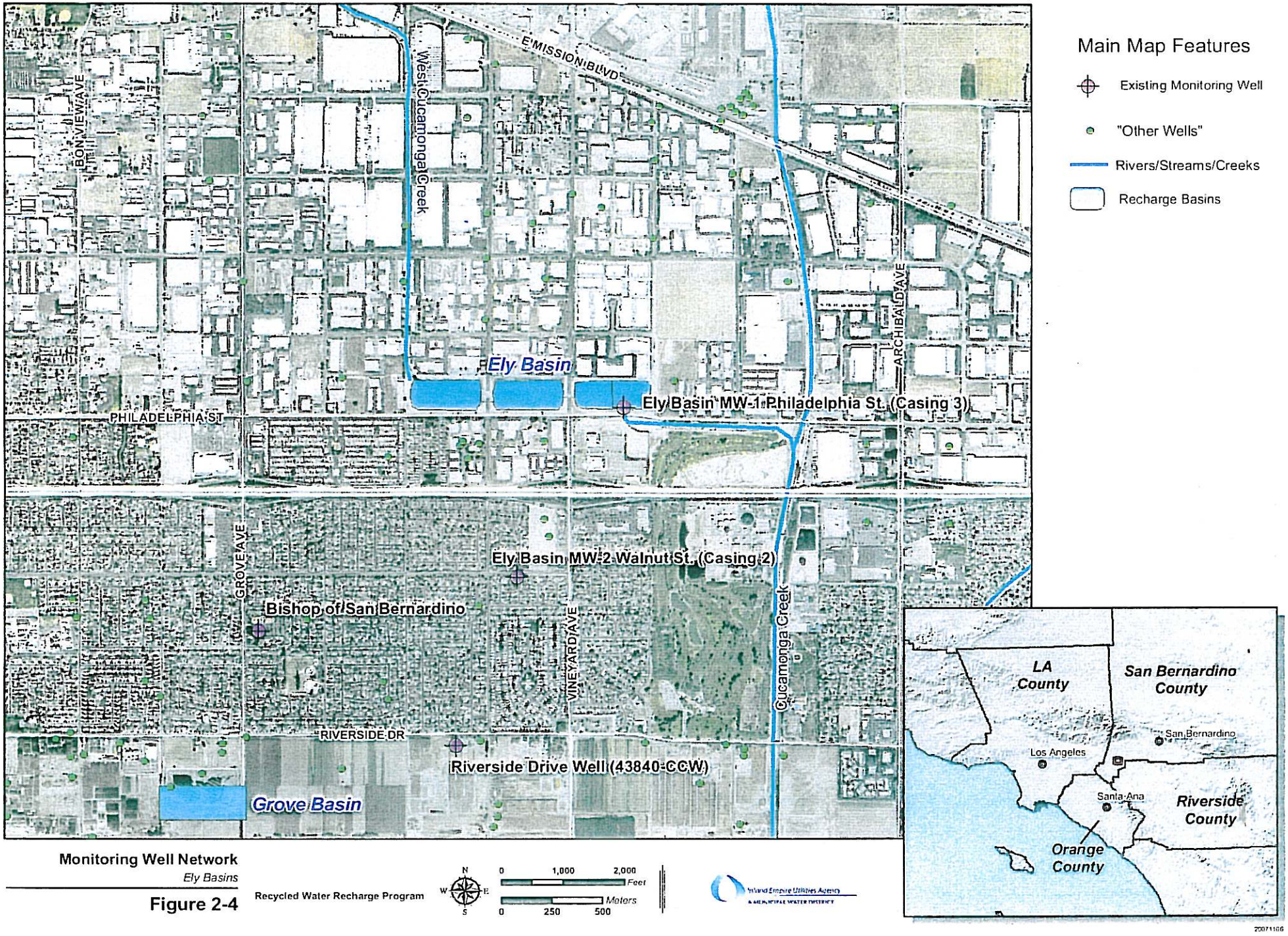


Monitoring Well Network

7th and 8th Street Basin

Figure 2-3

Recycled Water Recharge Program



Monitoring Well Network

Ely Basins

Figure 2-4

Recycled Water Recharge Program

Inland Empire Utilities Agency
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IV. INFORMATION

2. Newspaper Articles

The Web Site of The Sacramento Bee

Schwarzenegger hammers lawmakers on budget

By Peter Hecht and Aurelio Rojas - phecht@sacbee.com
Published 12:58 pm PDT Wednesday, September 3, 2008

An impatient Gov. Arnold Schwarzenegger ripped Democratic and Republican lawmakers today for collecting per diem checks, vacationing at political conventions and refusing to leave their "ideological corners" as California's budget stalemate is causing "severe consequences" for education, health and public safety.

"I think it is very important for the California people to know that while the state is 2 1/2 months late on a budget, and while there are severe consequences...to education and health care and hospitals and law enforcement and firefighting, there are absolutely no consequences for the legislators," Schwarzenegger said in an appearance at Marshall Medical Center in Placerville. "Absolutely none."

After hearing speeches from hospital administrators and school and public safety officials from El Dorado, Placer and Sacramento County tell of problems they face from the state budget stalemate, the governor said he was upset with lawmakers taking per diem pay while accomplishing nothing at the Capitol and then leaving town. Several lawmakers attended Republican and Democratic conventions in St. Paul, Minn., and Denver.

"They go on vacation. They go on recess. They go home on the weekend and their two days off because God forbid for them to work on the weekend," Schwarzenegger said. "And they go to the various conventions and do their things and it's business as usual. They've been collecting per diem every day at the Capitol..."

"I think it's unfair," he added. "I think they should stay in the Capitol. They should not go anywhere until the budget is done. But I think this should have been done months ago."

Lawmakers have broken the record for legislative budget dysfunction: the previous late mark for legislative action on a spending plan was Aug. 31, in 2002. The budget was signed Sept. 5 that year, meaning if the impasse drags on beyond Friday it will be the deepest into the fiscal year the state has ever gone without a spending plan.

Members of the Legislature make $116,208 annually, the most in the nation. They also receive about $35,000 to cover their living expenses in Sacramento, as long as their house is not in recess for more than three days in a row.

The legislative session ended Sunday. But members of the state Senate -- who normally would have left the Capitol for the year -- are continuing to accrue their $170-a-day, tax free per diem because of the longest California budget impasse in history.

Sen. President Pro Tem Don Perata, D-Oakland, has ordered his house to meet each day this week while waiting for Republicans to put their budget counterproposal into a bill that can be voted on.

Republicans say that won't happen until Friday. Meanwhile, the Senate waits. Tuesday's session lasted about a half hour.

Perata has defended his decision to hold sessions even if there's nothing to vote on, saying, "(The media) would hammer us if we were not (here) doing what we're suppose to be doing."

Over in the Assembly, Speaker Karen Bass, D-Los Angeles, has grappled with whether to hold sessions.

"You're damned if you do, and damned if you don't, because if you stay here you're earning per diem," she said.

This week, she canceled a session set today, instead holding a budget hearing at the committee level. She does not plan to call her entire house back until Monday.

Unlike the Senate, most members of the Assembly will not get their per diems this week.

The governor implored lawmakers to vote on - and pass - a budget compromise plan he has submitted to the Legislature. He made his point by surrounding himself with doctors, nurses and other personnel from the El Dorado County regional hospital, which is facing a $2 million cash shortfall and has suspended payments to local vendors and merchants because it hasn't received state Medi-Cal funding since July.

The governor touted his budget plan that $5 billion in new taxes, including a temporary 1-cent sales tax increase, $10 billion in cuts and a "rainy day fund" to prevent future fiscal emergencies. And he lit into Democrats and Republicans in the Legislature for submitting dead-on-arrival budget plans while failing to act on the compromised he proposed two weeks ago.

"We have seen already the Democrats introduce their budget. They're asking for a tax increase of $10 billion. That was voted down," Schwarzenegger said. "Then you have the Republicans who are now doing their budget even though it is 2 1/2 months late. And it relies on borrowing. That won't work and it will be voted down."

The governor said the state is still $9 billion in debt from borrowing its way out of a budget deficit in 2003 and "they (GOP lawmakers) want to go again and borrow more money.

"It's like a family that has overextended itself on credit cards and then gets another credit card to pay off more credit cards," he said.

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marie claire

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Top 6 Myths About Bottled Water

Bottled water — already a more than $10 billion industry — is the fastest-growing beverage category in the U.S. But is it good for you? Here's the pure truth.

MYTH #1: BOTTLED WATER IS BETTER THAN TAP.
Not necessarily. While labels gush about bottled water that "begins as snowflakes" or flows from "deep inside lush green volcanoes," between 25 and 40 percent of bottled water comes from a less exotic source: U.S. municipal water supplies. (Bottling companies buy the water and filter it, and some add minerals.) That's not really a bad thing: The Environmental Protection Agency oversees municipal water quality, while the Food and Drug Administration monitors bottled water; in some cases, EPA codes are more stringent.

MYTH #2: PURIFIED WATER TASTES BETTER.
The "purest" water — distilled water with all minerals and salts removed — tastes flat; it's the sodium, calcium, magnesium, and chlorides that give water its flavor. The "off" taste of tap water is the chlorine; if you refrigerate it in a container with a loose-fitting lid, the chlorine taste will be gone overnight.

MYTH #3: BOTTLED WATER WITH VITAMINS, MINERALS, OR PROTEIN IS MORE HEALTHY THAN REGULAR WATER.
"Vitamins, color, herbs, protein, and all the other additions to water — those are a marketing ploy," says Marion Nestle, Ph.D., professor of nutrition studies at New York University. Plus, the additives are usually a scant serving of the vitamins you really need in a day, adds Amy Subar, Ph.D., a nutritionist with the National Cancer Institute. Enhanced waters usually contain sugars and artificial flavorings to sweeten the deal and can pack more calories than diet soda. When it comes to providing fluoride, tap water usually wins, though that element is increasingly being added to bottled waters.

Myth #4: YOU NEED EIGHT 8-OUNCE GLASSES OF WATER EACH DAY.
The Institute of Medicine recommends about 91 ounces (a little more than 11 8-ounce glasses) of fluid daily for women. But here's the thing: It expects 80 percent of that to come from water, juice, coffee, tea, or other beverages and the remaining 20 percent from food. That means if you drink a 12-ounce cup of coffee and a 12-ounce can of diet soda, you only need 48 more ounces (three 16-ounce glasses, or four soda cans' worth) for the day.

Myth #5: AFTER AN INTENSE WORKOUT, BOTTLED WATER IS BEST.
There's a reason volunteers hand out Gatorade during marathons. If your workout lasts longer than an hour, you need to replace the water and electrolytes, such as sodium and potassium, that you've lost (that's what sports drinks generally do). For less intense workouts, regular water is fine.

Myth #6: WATER BOTTLES ARE EASY ON THE ENVIRONMENT BECAUSE THEY CAN BE RECYCLED.
Wouldn't it be nice? And it's not just the bottles. Eco-costs include manufacturing, trucking, shelving, and marketing. And meeting the annual U.S. demand for plastic bottles requires enough oil to keep 100,000 cars on the road for a year, says Janet Larsen of the Earth Policy Institute. Sure, the 70 million empty water bottles the U.S. produces per day can be recycled, but the sad truth is, about 86 percent of them end up in the trash. Hardly worth it, for what flows out of the tap and into a reusable glass for free.

Find this article at: http://www.marieclaire.com/life/healthy/health-tips/bottled-water-myth

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Prop. 50 funds to boost recycling

Karen Jonas, Correspondent

Article Created: 07/23/2008 09:03:44 PM PDT

People in the Cucamonga Valley Water District may soon be watering their landscaped yards with recycled water, thanks to money granted by the State Water Resources Board.

With the grant of $25 million to the Santa Ana Watershed Project Authority, various water districts in the Inland Empire are receiving money to fund programs that will decrease the area's reliance on outside water sources.

The money comes from Proposition 50 water bonds.

SAWPA gave some of the $25 million to the Inland Empire Utilities Agency, which will partner with CVWD to help fund a project that greatly increases the amount of recycled water that can be stored in the district.

CVWD serves about 186,000 residents in Rancho Cucamonga, according to Wyatt Troxel, IEUA board president and vice chairman of the SAWPA Commission.

Currently, the district imports about half of its water from outside sources. Its goal is to reduce that by using recycled water for landscaping, which uses about 60 to 70 percent of the water in the district.

The irrigation system that connects public landscaping in the northeastern part of the district to the stored recycled water is expected to be completed by the end of 2009.

"It doesn't make sense to water your front lawn with drinking water," said Troxel.

The district received $4.9 million of the money donated to SAWPA. About $2 million of that will be used to purchase a tank with a capacity of 3.5 million gallons, once used for holding drinkable water.The tank will be converted to hold recycled water.

According to Troxel, the district recycles 4 million gallons a day, which is about how much water 15,000 households use a day. The district has been recycling water for about 15 years, but has been more aggressive in recycling water in the past two years.

According to Randall Reed, vice president of the board of directors for CVWD, importing less water should help save energy as well.

"About 17 to 18 percent of all energy in California is used to transport water," said Reed. "When we keep the water here, it reduces our carbon footprint."

Troxel hopes the recycling project will help the Cucamonga Valley Water District save money and keep its landscaping looking beautiful.

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Fontana seeking state help with water pipeline

City wants to use nonpotable water to irrigate parks, schools

Josh Dulaney, Staff Writer

Article Created: 07/23/2008 10:38:34 PM PDT

FONTANA - The city is asking the state for a cash pipeline to build a real pipeline to carry nonpotable water from its sewage-treatment plant to green-up the schools and parks in the north end.

On Tuesday, the City Council authorized an application to the state Water Resources Control Board for grants and loans to offset some of the $6 million it will cost to complete the project.

"It's an important project to us," said City Manager Ken Hunt. "Right now we're just sending that water down the channel."

The city has to get in line behind other communities seeking money from the state for recycled water projects, said Bob Pontureri, water resources engineer for the board.

"Grant money is limited," Pontureri said.

The board will dole out a maximum of 25 percent in grants for a single project, he said. The rest is given out in loans up to 20 years with interest rates between 2.1 percent and 2.6 percent, he said.

The program is available for projects such as treatment facilities, water storage units and pumping stations. Cities initiate ideas for water efficiency all the time, officials said.

Fontana Public Works Director Chuck Hays was on vacation and unavailable for comment.

The applications generally take from 90 days to six months for approval, Pontureri said.

After construction begins, the board reimburses the city as it receives receipts for purchases, Pontureri said.

The city hopes to get as much help in grants as possible, Hunt said.

"What we don't get in grants, we'll look for in loans," Hunt said.

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City enacts strong water restrictions

Neil Nisperos, Staff Writer

Article Created: 07/26/2008 10:10:35 PM PDT

CHINO HILLS - Because of a state drought and a reduction in water supplies, the city has enacted the strongest water-conservation measures in its history.

For the first time, city measures designed to encourage residents to save water are set to go into effect Aug. 8.

Among the restrictions:

The use of hoses to wash sidewalks, walkways, driveways, parking areas, patios, porches or verandas will not be allowed.

Water will not be allowed to leak on residential property, nor will it be allowed to leak from landscaped areas to nearby streets, sidewalks or other paved areas.

Watering of plants and lawns will not be allowed from the hours of 9 a.m. to 6 p.m., except for equestrian and livestock businesses, dairies, nurseries, golf courses, or other water-dependent industries.

Restaurants will not serve drinking water to patrons unless requested.

Gov. Arnold Schwarzenegger's June 4 drought declaration comes after two straight years of below-average rainfall, low snow melt runoff and court-ordered water transfer restrictions in the Sacramento-San Joaquin Delta region. The Metropolitan Water District also ramped up calls for conservation by issuing a water supply alert last month.

Pat Hagler, director of Chino Hills public facilities and operations, who is in charge of the city water agency, said a 10percent reduction of the city's water supply is anticipated this year. Chino Hills provided customers with 17,000 acre-feet of water last year.

The new ordinance to help encourage better water conservation does not have a time frame, Hagler said.

"I think it has to become a way of life for us, just like our gasoline," Hagler said. "We'll never go below $4 and we're probably never going to get more water.

She added, "We're a very privileged society in America. In other parts of the world, water conservation is a way of life. We have to get in that same frame of mind."

The new rules are part of the city's four-stage water-conservation alert plan to deal with increasing shortages.

The first stage, which Hagler said began last summer, was a call on residents to voluntarily save water. The Stage 2 alert, calling for the new

mandatory requirements, was approved by the City Council on Tuesday.

Stages 3 and 4 are not anticipated at this time and are pending further water supply reductions, Hagler said.

The restrictions in these more drastic measures include a call on commercial industry in the city to institute night irrigation and a general prohibition on the refilling of swimming pools "beyond what is necessary for maintenance."

dailybulletin.com

R.C. building to be showcase for 'green' techniques

Sandra Emerson, Correspondent

Article Created: 07/27/2008 08:29:16 PM PDT

RANCHO CUCAMONGA - The city will soon be home to the only building in the Inland Empire built entirely from green technologies.

The Frontier Project will be a 14,000-square-foot multi-use demonstration building with a Leadership in Energy and Environmental Design certification of Platinum, which is the highest level offered by the U.S. Green Building Council.

The Frontier Project Foundation and the Cucamonga Valley Water District developed the building to showcase energy-efficient and environment-friendly technologies. It will also have a public meeting and conference area, a demonstration garden and an Energy Star-qualified kitchen.

"For homeowners and people in construction, there isn't a center like this," said Bonnie Montoya-May, chairwoman of the Inland Empire chapter of the USGBC. "This is the first center like this in our region, and there will be workshops offered to everybody."

All are welcome to tour the building, at the water district offices on Ashford Street, in order to see the alternative technologies first hand.

"We will tell residents and companies what to look for, where to purchase it and how much it costs." said Kristeen Buxton, public-affairs officer for the Cucamonga Valley Water District. "We want to make this a seamless educational opportunity."

The construction of the building will be filmed and put into 30-minute videos that will play in the display gallery to show the differences in constructing a sustainable building.

The display gallery will also provide examples of resources that were not included in the Frontier Project building.

A significant amount of the materials to be used will be recycled, Buxton said.

Twenty-five percent of the cement will be fly ash, a by-product of coal-fueled power plants, which is to be included in the demonstration videos.

The city also had some recycled materials to contribute.

Wood from the Joseph Filippi Winery and Vineyard in the city was donated.

"The winery donation was the largest part of the project," Buxton said. "They donated $400,000 worth of redwood. We wanted to use recycled materials to avoid knocking down more trees, and it was a local product, which cuts down on shipping."

The wood is being used to build an exterior shade structure and trellis to protect some of the larger windows from excessive sunlight.

"The city took part in a small but significant way," said Linda Daniels, the city's redevelopment director. "Anything that helps building and water resources will help the city."

Because water is a main focus of the district, the project will have an advanced water conservation system.

None of the excess surface water will go into the city's storm drains. It will be recycled. Irrigation will be provided by captured rain water and used throughout the year.

The sustainable building construction will also require similar building practices.

More than 75 percent of the construction waste materials will be reused, and a storm-water prevention plan will be put into place to ensure unfiltered rainwater does not leave the site. The construction crew will also be educated in the sustainable building practices, according to the Frontier Project Web site.

Buxton said overall cost for construction is estimated at $14 million. The CVWD is in the middle of a capital campaign to acquire 50 percent of the costs in capital, products and services. So far $1 million has been accumulated, which was enough to begin construction in April.

The Frontier Project is expected to be completed by summer 2009.