



# CHINO BASIN WATERMASTER



## NOTICE OF MEETING

**Thursday, February 24, 2011**

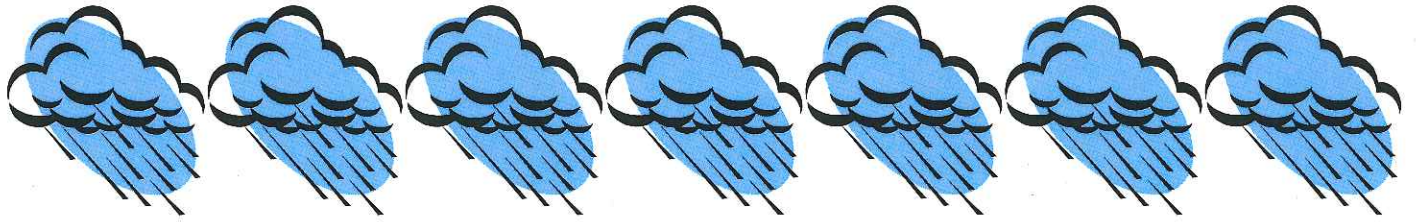
**11:00 a.m. – Watermaster Board Meeting**

*(Lunch will be served)*

***AT THE CHINO BASIN WATERMASTER OFFICES***

*9641 San Bernardino Road  
Rancho Cucamonga, CA 91730  
(909) 484-3888*



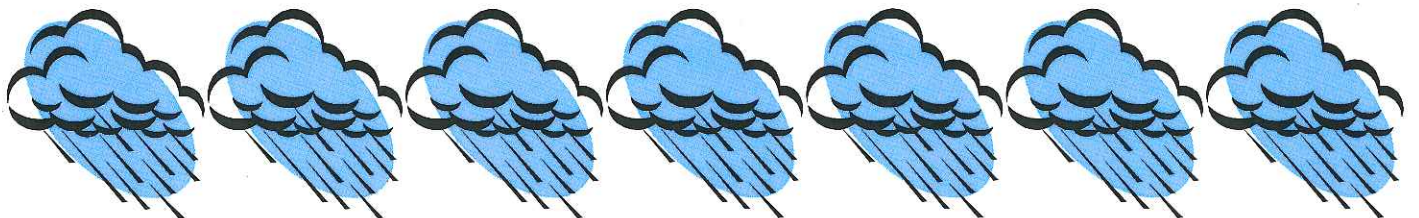


# **CHINO BASIN WATERMASTER**

**Thursday, February 24, 2011**

11:00 a.m. – Watermaster Board Meeting

## **AGENDA PACKAGE**



**CHINO BASIN WATERMASTER  
BOARD MEETING**

11:00 a.m. – February 24, 2011

**At The Offices Of**

**Chino Basin Watermaster**

9641 San Bernardino Road

Rancho Cucamonga, CA 91730

**AGENDA**

**CALL TO ORDER**

**PLEDGE OF ALLEGIANCE**

**AGENDA - ADDITIONS/REORDER**

**RECOGNITION OF KEN MANNING**

**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 Annual Watermaster Board Meeting held January 27, 2011 *(Page 1)*

**B. FINANCIAL REPORTS**

1. Cash Disbursements for the month of December 2010 *(Page 9)*
2. Watermaster Visa Check Detail for the month of December 2010 *(Page 21)*
3. Combining Schedule for the Period July 1, 2010 through December 31, 2010 *(Page 25)*
4. Treasurer's Report of Financial Affairs for the Period December 1, 2010 through December 31, 2010 *(Page 29)*
5. Budget vs. Actual July through December 2010 *(Page 33)*

**II. BUSINESS ITEMS**

**A. TURNER BASIN EXCAVATION COST SHARING AGREEMENT**

Consider and Make Recommendation Regarding Agreement Between Watermaster and IEUA to Share Costs Associated with CEQA Analysis and Grading Plans for Expansion of Recharge Opportunities at Turner Basins *(Page 37)*

**B. RFP FOR OUTSIDE AUDIT FIRM**

Staff Recommends a Request for Proposal (RFP) Be Issued to Determine Interest and Related Costs for an Audit Firm to Perform the Field Work and Issue an Audit Opinion Upon the Basic Financial Statements for Fiscal Year 2010-2011 and Future Years *(Page 43)*

**C. WELL LOCATION OF WELLS I-19, I-20, AND I-21**

Consider Approval of Staff Recommended Well Locations for the Chino Creek Well Field Wells I-19, I-20, and I-21 *(Page 45)*

**III. REPORTS/UPDATES**

**A. WATERMASTER GENERAL LEGAL COUNSEL REPORT**

1. Desalter Resolution
2. Paragraph 31 Appeal

**B. ENGINEERING REPORT**

1. Basin Land Subsidence Committee Meeting Update
2. MZ3 Recharge Opportunities Effort
3. Chino Creek Well Field Well I-18 Design *(Page 59)*

**C. FINANCIAL REPORT**

1. Expected Cost of Completion Mid-Year *(Page 73)*

**D. CEO/STAFF REPORT**

1. Legislative Update
2. Recharge Update
3. CEO Resignation

**IV. INFORMATION**

1. Cash Disbursements for January 2011 *(Page 79)*
2. Semi Annual Report July through December 2010 *(Page 91)*
3. Newspaper Articles *(Page 99)*

**V. BOARD MEMBER COMMENTS**

**VI. OTHER BUSINESS**

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

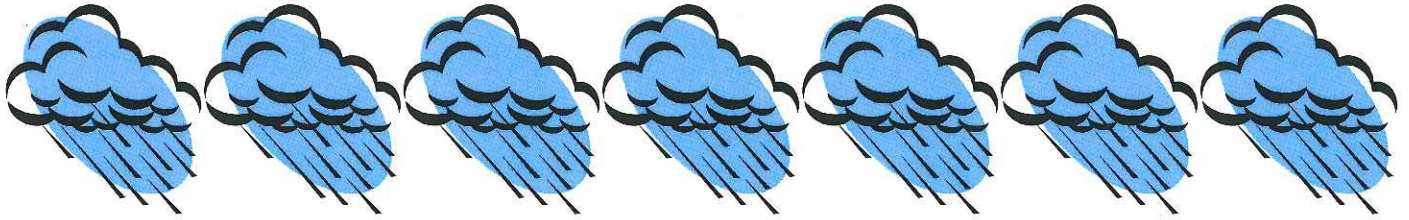
Pursuant to Article 2.6 of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster committee meeting for the purpose of discussion and possible action.

1. CEO Position
2. South Archibald Plume (Formerly OIA Plume)

**VIII. FUTURE MEETINGS**

Thursday, February 24, 2011	9:00 a.m.	Land Subsidence Committee Mtg. @ CBWM
Thursday, February 24, 2011	11:00 a.m.	Watermaster Board Meeting @ CBWM
Thursday, March 3, 2011	1:00 p.m.	Appropriative Pool Meeting @ CBWM
Thursday, March 3, 2011	2:30 p.m.	Non-Agricultural Pool Conference Call Meeting
Thursday, March 10, 2011	9:00 a.m.	Agricultural Pool Meeting @ IEUA
Thursday, March 17, 2011	8:00 a.m.	IEUA Dry Year Yield Meeting @ CBWM
Thursday, March 17, 2011	9:00 a.m.	Advisory Committee Meeting @ CBWM
Thursday, March 17, 2011	10:30 a.m.	Land Subsidence Committee Mtg. @ CBWM
Tuesday, March 22, 2011	9:00 a.m.	GRCC Meeting @ CBWM
Thursday, March 24, 2011	11:00 a.m.	Watermaster Board Meeting @ CBWM
Friday, April 22, 2011	10:00 a.m.	Chino Basin Watermaster Court Hearing

**Meeting Adjourn**



# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR

### A. MINUTES

1. Watermaster Board Confidential Session and Annual Watermaster Board Meeting held on January 27, 2011



**Draft Minutes**  
**CHINO BASIN WATERMASTER**  
**WATERMASTER BOARD CONFIDENTIAL MEETING**  
**AND**  
**ANNUAL WATERMASTER BOARD MEETING**  
*January 27, 2011*

The Watermaster Board Confidential Meeting and the Annual Watermaster Board Meeting was held at the offices of the Chino Basin Watermaster, 9641 San Bernardino Road, Rancho Cucamonga, CA, on January 27, 2011 at 10:00 a.m. and 11:00 a.m.

**WATERMASTER BOARD MEMBERS PRESENT**

Ken Willis, Chair	West End Consolidated Water Company
Steve Elie	Inland Empire Utilities Agency
Ken Jeske	California Steel Industries (CSI)
Bob Kuhn	Three Valleys Municipal Water District
Paula Lantz	City of Pomona
Tom Haughey	City of Chino
Charles Field	Western Municipal Water District
Geoffrey Vanden Heuvel	Agricultural Pool
Bob Feenstra	Agricultural Pool

**WATERMASTER BOARD MEMBERS ABSENT**

Paul Hofer	Ag Pool - Crops
Bob Bowcock	Vulcan Materials Company (Calmat Division)

**Watermaster Staff Present**

Kenneth R. Manning	Chief Executive Officer
Sherri Lynne Molino	Recording Secretary

**Watermaster Consultants Present**

Scott Slater	Brownstein, Hyatt, Farber & Schreck
Steve Hoch	Brownstein, Hyatt, Farber & Schreck
Mark Wildermuth	Wildermuth Environmental, Inc.
Joe LeClaire	Wildermuth Environmental, Inc.

Chair Willis called the Watermaster Board Confidential meeting to order at 10:04 a.m.

1. Ontario Airport Plume

Introductions were made for the Watermaster Board members and consultants present for the confidential session.

Mr. Vanden Heuvel stated the following were not present for the ABGL Group presentation given December 16, 2010: Ken Jeske, Paula Lantz, Marty Zvirbulis, Bob Kuhn, Danielle Soto, Steve Elie, and Tom Haughey and a second presentation is to be scheduled in the near future for them to see it.

The confidential session concluded at 11:10 a.m.

There were no reportable actions recorded for the confidential session.

**WATERMASTER BOARD MEMBERS PRESENT**

Ken Willis, Chair  
Steve Elie  
Ken Jeske  
Bob Kuhn  
Paula Lantz  
Tom Haughey  
Charles Field  
Geoffrey Vanden Heuvel  
Bob Feenstra

West End Consolidated Water Company  
Inland Empire Utilities Agency  
California Steel Industries (CSI)  
Three Valleys Municipal Water District  
City of Pomona  
City of Chino  
Western Municipal Water District  
Agricultural Pool  
Agricultural Pool

**WATERMASTER BOARD MEMBERS ABSENT**

Paul Hofer  
Bob Bowcock

Ag Pool - Crops  
Vulcan Materials Company (Calmat Division)

**Watermaster Staff Present**

Kenneth R. Manning  
Joe Joswiak  
Danielle Maurizio  
Ben Pak  
Sherri Lynne Molino

Chief Executive Officer  
Chief Financial Officer  
Senior Engineer  
Senior Project Engineer  
Recording Secretary

**Watermaster Consultants Present**

Scott Slater  
Steve Hoch  
Mark Wildermuth  
Joe LeClaire  
Andy Malone

Brownstein, Hyatt, Farber & Schreck  
Brownstein, Hyatt, Farber & Schreck  
Wildermuth Environmental, Inc.  
Wildermuth Environmental, Inc.  
Wildermuth Environmental, Inc.

**Others Present Who Signed In**

Michael Camacho  
Tom Love  
Robert DeLoach  
Marty Zvirbulis  
Jolynne Russo-Pereyra  
Rick Hansen  
John Rossi  
Jack Safely  
Mohamed El Amamy  
Bob Gluck  
Dave Crosley  
Curtis Paxton  
Pete Hall  
Julie Cavender  
Jeff Pierson  
Mark Kinsey  
Ron Craig  
Danielle Soto  
Tim Mim Mack  
David Penrice  
Brian Geye  
Raul Garibay  
Steven G. Lee  
Ben Lewis  
Terry Catlin  
Eunice Ulloa

Inland Empire Utilities Agency  
Inland Empire Utilities Agency  
Cucamonga Valley Water District  
Cucamonga Valley Water District  
Cucamonga Valley Water District  
Three Valleys Municipal Water District  
Western Municipal Water District  
Western Municipal Water District  
City of Ontario  
City of Ontario  
City of Chino  
Chino Desalter Authority  
State of California – CIM  
State of California - CIM  
Agricultural Pool  
Monte Vista Water District  
City of Chino Hills  
City of Pomona  
Chino Desalter Authority  
Aqua Capital Management  
Auto Club Speedway  
City of Pomona  
Reid & Hellyer for the Agricultural Pool  
Golden State Water Company  
Inland Empire Utilities Agency  
Chino Basin Water Conservation District

Dee Mateyck  
 Hank Stoy  
 David DeJesus  
 Rick Hansen  
 Sheri Rojo

Community Garden  
 Cucamonga Valley Water District  
 Three Valleys Municipal Water District  
 Three Valleys Municipal Water District  
 Consultant for Fontana Water Company

Chair Willis called the open Annual Watermaster Board meeting to order at 11:15 a.m.

### PLEDGE OF ALLEGIANCE

### PUBLIC COMMENTS

No public comments were received.

### AGENDA - ADDITIONS/REORDER

No additions or reorders were made to the agenda.

### INTRODUCTIONS - CALENDAR YEAR 2011 WATERMASTER BOARD MEMBERS

Bob Bowcock	Non-Agricultural Pool
Steve Elie	Inland Empire Utilities Agency
Tom Haughey	City of Chino
Charles Field	Western Municipal Water District
Paul Hofer	Agricultural Pool (Crops)
Bob Kuhn	Three Valleys Municipal Water District
Paula Lantz	City of Pomona
Geoffrey Vanden Heuvel	Agricultural Pool (Dairy)
Ken Willis	West End Consolidated Water Company

### RECOGNITION OF OUTGOING WATERMASTER BOARD MEMBERS

1. Mr. Michael Whitehead, Fontana Water Company

### I. CALENDAR YEAR 2011 OFFICERS – Action

#### A. ELECTION OF OFFICERS

Nominations took place for the Watermaster Board positions to serve during calendar year 2011. Appointees Nominated:

1. Watermaster Board Chair: **Mr. Ken Willis**
2. Watermaster Board Vice-Chair: **Mr. Bob Kuhn**
3. Watermaster Board Secretary/Treasurer: **Mr. Tom Haughey**

### II. CONSENT CALENDAR

#### A. MINUTES

1. Minutes of the Watermaster Board meeting held on December 16, 2010

#### B. FINANCIAL REPORTS

1. Cash Disbursements for the month of November 2010
2. Watermaster Visa Check Detail for the month of November 2010
3. Combining Schedule for the Period July 1, 2010 through November 30, 2010
4. Treasurer's Report of Financial Affairs for the Period November 1, 2010 through November 30, 2010
5. Budget vs. Actual July through November 2009



**C. INTERVENTION INTO THE AGRICULTURAL POOL**

Intervention of Restorative Justice Center (dba the Community Garden Project of Rancho Cucamonga) into the Agricultural Pool

Item C was pulled for discussion:

Mr. Manning stated this item has gone to the Pools and the Advisory Committee and is coming before this Board with more than an 80% in favor vote for the Community Garden Project. Mr. Manning stated that both the Appropriative Pool and Advisory Committee meetings recommended this action be delayed in order for additional clarity to be made for the criteria necessary for inclusion, and other kinds of issues related to these inclusions of the Agricultural Pool. Mr. Kinsey stated his comments today are a follow up to the comments which were made at the recent Appropriative Pool and Advisory Committee meetings. Mr. Kinsey stated he does believe this is an agricultural use; however, the concern is there are prohibitions in the Peace II Agreement which would make it difficult for community gardens to be formed and set up throughout the balance of the Chino Basin. Mr. Kinsey offered comment regarding equitable treatment for the land use, water delivery methods, and the established assignment process. Mr. Kinsey stated the issue is being raised as to the intent of Peace II in terms of agricultural usage out of agricultural area number 1, and offered further comment on this matter of concern. Mr. Kinsey stated he voted no because before this is moved forward with this process, this issue should be addressed and show consistency. A lengthy discussion regarding Mr. Kinsey's comments ensued. Mr. Manning stated staff understands what Mr. Kinsey is discussing and that these issues going forward could have some implication on approvals or interventions. The Advisory Committee moved to approve with a caveat which was slightly different than the motion given by the Appropriative Pool; both left this intervention as recommended by staff because it is clearly an agricultural use. Mr. Manning stated separate from the criteria that Mr. Kinsey describes, the Advisory Committee took action to approve the intervention into the Agricultural Pool and included in their motion was the creation of a sub-committee that would look at criteria for future interventions dealing with these issues of community gardens. Staff accepts this is something that needs to be done and that is the motion sent to this board. A discussion regarding this matter ensued.

**D. CHINO BASIN WATERMASTER INVESTMENT POLICY**

Resolution 11-01 – Resolution of the Chino Basin Watermaster, San Bernardino County, California, re-authorizing the Watermaster's Investment Policy

**E. LOCAL AGENCY INVESTMENT FUND**

Resolution 11-02 – Resolution Authorizing Investment of Monies in the Local Agency Investment Fund (LAIF)

**F. NOTICE OF INTENT**

Annual Filing of Notice of Intent Regarding the Determination of Operating Safe Yield

*Motion by Kuhn, second by Jeske, and by majority vote – Ms. Lantz, Mr. Elie, and Mr. Jeske abstained*

***Moved to approve Consent Calendar items A, B, D through F, as presented***

*Motion by Vanden Heuvel, second by Haughey, and by unanimous vote*

***Moved to approve Consent Calendar item C acknowledging this area is out of the conversion area and to direct staff to schedule a workshop to create criteria by which these types of uses will be more expansive to other than community gardens; community type use, as presented***

**III. REPORTS/UPDATES****A. WATERMASTER GENERAL LEGAL COUNSEL REPORT****1. Draft Restated Watermaster Judgment**

Counsel Slater stated the draft Restated Watermaster Judgment is in process and is posted on the Watermaster ftp site. Counsel Slater stated most of the comments received relate not to the textural matters but to the party clean up, and there have been efforts by the Agricultural Pool to address the special circumstances within the Pool. Counsel Slater stated it is the opinion of staff and counsel that we are not prepared to take anything to the court at the present time. There is an April hearing scheduled and staff and counsel are preparing to present it to the court at that hearing.

**2. January 21, 2011 Hearing**

Counsel Slater stated the January 21, 2011 hearing did take place and the Watermaster nine-member board was reapproved at that hearing. A subsequent hearing has been scheduled for April 22, 2011 at 10:30 a.m. and there will be a couple of matters before the court; the Restated Watermaster Judgment and the Resolution regarding the CDA Expansion.

**3. January 26, 2011 Settlement Conference**

Counsel Slater stated the January 26, 2011 settlement conference occurred yesterday regarding the Purchase and Sale Agreement and the opposition of the Overlying Non-Agricultural Pool regarding the disposition of that water. The conference was attended by Director Field, Director Camacho, and Director Kuhn. The process was well attended and lasted most of the day; however, no settlement was forth coming. Counsel Slater stated it appears that if there is not a backchannel breakthrough the court will begin setting a briefing schedule and it will proceed to a hearing on the merits. Counsel Slater stated this item will be discussed in greater detail during the closed session.

**4. Santa Ana Sucker Critical Habitat Designation**

Counsel Slater stated this matter is being followed closely. The parties most affected by the recent decision are getting together to develop a strategy to take into account administrative, legal, and legislative options. Counsel Slater stated Watermaster is not leading that effort and are only monitoring it, and will apply whatever effort is thought necessary. Counsel Slater stated counsel will keep the parties apprised.

**B. ENGINEERING REPORT****1. MZ1 Progress Report**

Mr. Malone stated there was a Land Subsidence Committee meeting last week which was the first meeting for this newly formed committee. This committee was formerly the MZ1 Technical Committee which was comprised of MZ1 parties and their technical consultants. This committee is now being opened up to all Watermaster parties and the reason is that over the years subsidence has been seen as a phenomenon that is not unique to the Management Zone 1 and it seems to be occurring in other parts of the basin as well. Subsidence is a very important issue to many parties of the Watermaster, especially as this basin urbanizes out and water levels are purposely being drawing down; this is controlled overdraft. Mr. Malone stated there are other parts of the basin where subsidence and ground fissuring could potentially be a threat. Mr. Malone stated another reason to open this committee up is because all Watermaster parties financially contribute to these monitoring and subsidence management efforts. This should be an opportunity for all to have a say or come to the meetings and learn about these issues and how their money is being spent. Mr. Malone stated these meetings have typically occurred in a series of monthly meetings about this time of the year for two reasons: 1) A look at the historical data and the recent data that has been collected, and 2) A scope of work is put together and cost estimates are attached for the next fiscal year's efforts. Eventually, this committee recommends to Watermaster that scope of work and that budget for Watermaster's budgeting efforts. Mr. Malone reviewed InSAR maps and discussed them in great detail.

Mr. Malone noted there is another meeting for the Land Subsidence Committee which will take place on January 31, 2011, at the Wildermuth Environmental office; however, this particular meeting will be a highly technical meeting. All are invited to this meeting. The next regular Land Subsidence Committee meeting is scheduled for February 17, 2011, at 10:30 a.m. directly after the Advisory Committee meeting. A discussion regarding the recent heavy rainfall which could affect the subsidence areas and costs with regard to InSAR and land sources data ensued. Mr. Vanden Heuvel offered comment on monies being spent on these types of technical instruments.

2. Modeling of the Chino Desalter Well Field

Mr. Malone stated Wildermuth has performed some modeling for the Chino Desalter Well Field and he expects to have the results in shortly and will review the modeling efforts at an upcoming meeting.

Added Comment:

Chair Willis stated Mr. Manning has been offered a position elsewhere and he has accepted it; he will be starting that new position on March 1, 2011. Chair Willis thanked Mr. Manning for his hard work and dedication over these past six plus years with Chino Basin Watermaster. Mr. Manning stated since he started as the CEO of Watermaster since 2004, he has gotten to know so many wonderful people and has thoroughly enjoyed working with each person. Mr. Manning stated this basin is an example of how basin management should be done anywhere; this interaction of stakeholders is the solution to groundwater basin management.

**C. CEO/STAFF REPORT**

1. Legislative Update

Mr. Manning stated there is a lot of discussion in Sacramento about the budget, especially regarding redevelopments and how that is going to affect water agencies or enterprise districts. Mr. Manning stated a lot more emphasis is going to be put on enterprise agencies and waste water agencies in raising fees to cover expenses. The governor is looking at \$25 billion dollars in reductions at the state level. Mr. Manning noted the May revision will come prior to the election. Mr. Manning stated there is going to be a lot of discussions taking place and everyone is watching closely. Mr. Manning offered comment on the President's State of the Union speech and noted there was no discussion on water in that speech.

2. Recharge Update

Mr. Manning commented on the calls received by various newspapers regarding the drought situation with all the recent rain. Mr. Manning commented on the recent storms and our ability to capture storm water in our basins; approximately 20 inches of rain in December in the foothills. Mr. Manning reviewed the most recent recharge spreadsheet in detail.

3. Notice of Availability - Non-Agricultural Water

Mr. Manning stated that the Notice of Availability was sent out regarding the Non-Agricultural water agencies. Mr. Manning stated Watermaster has received no affirmative notice that the Non-Agricultural Pool wants to sell any water. Mr. Manning stated Swan Lake Mobile Home Park did ask for an extension to declare whether or not they will have water available to the Appropriative Pool. Mr. Manning stated that every year before December 31<sup>st</sup>, the Non-Agricultural Pool members have to declare that they have water available to sell by January 31<sup>st</sup> and if there is water to sell, the Appropriative Pool has to declare they are going to buy it. Then, by the end of June, that water transaction has to take place.

4. New Board Members

Mr. Manning welcomed new Board members Paula Lantz and Steve Elie to the Watermaster Board and Ken Jeske who is Bob Bowcock's alternate. Mr. Manning stated that the Watermaster accomplishes great things in the Chino Basin.

5. CDA Update

Mr. Manning stated the CDA has hired a new General Manager, Curtis Paxton, and he is present today to observe our Board meeting. Mr. Manning stated at the last CDA board meeting action was taken to approve the whole suite of agreements and resolutions necessary to expand the CDA to its ultimate designation at 40,000 acre-feet per year production and the acquisition of Hydraulic Control on the west side of the basin; those two goals are critical for Watermaster. Mr. Manning thanked the key participants in accomplishing this tremendous undertaking.

6. General Electric Pool Designation

Mr. Manning stated in 1995 General Electric intervened into the Judgment. At the time GE intervened specifically into the Appropriative Pool. A series of events took place that occurred between that time and the next couple of years where they were reassigned into the Non-Agricultural Pool. Watermaster does not have records of what those circumstances were; however, there was a deliberate move to enter them into the Non-Agricultural Pool, which is where they have been since 1997. In reviewing records for the upcoming restated Judgment, this discrepancy was found. General Electric has made it known they would like to stay in the Non-Agricultural Pool and staff feels that is an appropriate designation. This is for your information only. Eventually, during an upcoming court filing staff will ask the court to clarify General Electric's position into the Non-Agricultural Pool. Mr. Manning stated all the annual reports note them as being part of the Non-Agricultural Pool and all financial records show that they are part of the Non-Agricultural Pool. A lengthy discussion regarding this matter ensued. Mr. Jeske stated GE does not have any pumping allocation in the Non-Agricultural Pool; their safe yield rights are zero. They do pump, treat, and discharge, and in the course of doing that there is a consumptive use of some of the water in the recharge process. Mr. Jeske stated for as long as he has been involved, since 1998, all the pumping has been included in the Annual Reports and the Assessment Packages in the Non-Agricultural Pool. Mr. Jeske stated the assessments paid have been recorded that way and to do anything differently could result in unwinding years of financial reports. GE came to the Non-Agricultural Pool for confirmation that that's where they were and asked that the discrepancy and the documentation be corrected in the next filing. That was a unanimous action of the Non-Agricultural Pool. Counsel Slater stated GE qualifies as a member of the Overlying Non-Agricultural Pool on the basis of the beneficial use that's being conducted on the property pursuant to the Judgment. Counsel Slater stated the definition is in paragraph 43 discussing the formation of the Pools and a production of water for industrial or commercial purposes. Counsel Slater stated the question is, do they have an allocation, and are all parties enjoined? Counsel Slater stated they did not have an allocation and would be enjoined but for the fact they produce pursuant to the physical solution, and that is to pay the replenishment costs.

**IV. INFORMATION**

1. Cash Disbursements for December 2010

No comment was made regarding this item.

2. Newspaper Articles

No comment was made regarding this item.

**V. COMMITTEE MEMBER COMMENTS**

No comment was made regarding this item.

**VI. OTHER BUSINESS**

No comment was made regarding this item.

The regular open Watermaster Board meeting was convened to hold its confidential session at 12:13 p.m.

**VII. CONFIDENTIAL SESSION - POSSIBLE ACTION**

Pursuant to Article 2.6 of the Watermaster Rules & Regulations, a Confidential Session may be held during the Watermaster committee meeting for the purpose of discussion and possible action.

1. Response to the ABGL presentation

The confidential session concluded at 12:50 p.m.

Chair Willis gave the following action item from the confidential session:

Chair Willis stated a panel formed of Ken Willis, Bob Kuhn, Geoffrey Vanden Heuvel, and Charles Field was appointed to begin the selection process for the search for a new CEO for Watermaster.

**VII. FUTURE MEETINGS**

Wednesday, January 26, 2011	9:30 a.m.	State Court of Appeal @ Riverside Courthouse
Thursday, January 27, 2011	11:00 a.m.	Annual Watermaster Board Meeting @ CBWM
Thursday, February 3, 2011	1:00 p.m.	Appropriative Pool Meeting @ CBWM
Thursday, February 3, 2011	2:30 p.m.	Non-Agricultural Pool Conference Call Meeting
Thursday, February 10, 2011	9:00 a.m.	Agricultural Pool Meeting @ IEUA
Thursday, February 17, 2011	9:00 a.m.	Advisory Committee Meeting @ CBWM
Thursday, February 24, 2011	11:00 a.m.	Watermaster Board Meeting @ CBWM

The Watermaster Board meeting was dismissed by Chair Willis at 12:51 p.m.

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

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



# CHINO BASIN WATERMASTER

## I. CONSENT CALENDAR

### B. FINANCIAL REPORTS

1. Cash Disbursements for the month of December 2010
2. Watermaster Check Detail for the month of December 2010
3. Combining Schedule for the Period December 1, 2010 through December 31, 2010
4. Treasurer's Report of Financial Affairs for the Period December 1, 2010 through December 31, 2010
5. Budget vs. Actual July 2010 through December 2010





# CHINO BASIN WATERMASTER

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

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**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** February 24, 2011  
**TO:** Watermaster Board Members  
**SUBJECT:** Cash Disbursement Report – Financial Report B1

### SUMMARY

**Issue** – Record of cash disbursements for the month of December 2010.

**Recommendation** – Staff recommends the Cash Disbursements for December 2010 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2010-2011 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 December 2010 were \$389,173.21. The most significant expenditures during the month were Wildermuth Environmental, Inc. in the amount of \$91,196.33 (check number 14736 dated December 8, 2010), Monte Vista Irrigation Company in the amount of \$83,073.38 (check number 14752 dated December 15, 2010) and Brownstein Hyatt Farber Schreck in the amount of \$32,126.10 (check number 14758 dated December 21, 2010).

### Actions:

February 3, 2011 Appropriative Pool – Approved Unanimously  
February 3, 2011 Non-Agricultural Pool – Approved Unanimously  
February 10, 2011 Agricultural Pool – Approved Unanimously  
February 17, 2011 Advisory Committee – Approved Unanimously  
February 24, 2011 Watermaster Board –

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
December 2010

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	12/01/2010	14702	APPLIED COMPUTER TECHNOLOGIES	1985	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	1985		Database Services - November 2010	6052.2 - Applied Computer Technol	3,803.50
TOTAL						3,803.50
Bill Pmt -Check	12/01/2010	14703	ARROWHEAD MOUNTAIN SPRING WATER	0023230253	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	0023230253		Office Water - November 2010	6031.7 - Other Office Supplies	26.47
TOTAL						26.47
Bill Pmt -Check	12/01/2010	14704	CUCAMONGA VALLEY IAAP	Cucamonga Valley IAAP Chapter Meeting	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010			Fee for J. Wilson and S. Molino-12/08	6192 - Training & Seminars	50.00
TOTAL						50.00
Bill Pmt -Check	12/01/2010	14705	DIRECTV	019447404	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	019447404		11/19/10-12/18/10	6031.7 - Other Office Supplies	83.99
TOTAL						83.99
Bill Pmt -Check	12/01/2010	14706	JAMES JOHNSTON	214	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	214		Website Services - November 2010	6052.3 - Website Consulting	855.00
TOTAL						855.00
Bill Pmt -Check	12/01/2010	14707	MIJAC ALARM	292587	1012 - Bank of America Gen'l Ckg	
Bill	12/01/2010	292587		Annual Permit Fees and security monitoring	6026 - Security services	417.00
TOTAL						417.00
Bill Pmt -Check	12/01/2010	14708	OFFICE DEPOT	542117906001	1012 - Bank of America Gen'l Ckg	
Bill	11/23/2010	542117906001		copy paper	6031.1 - Copy Paper	99.81
TOTAL						99.81
Bill Pmt -Check	12/01/2010	14709	PARK PLACE COMPUTER SOLUTIONS, INC.	445	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	445		IT Services - November 2010	6052.1 - Park Place Comp Solutn	3,525.00
TOTAL						3,525.00
Bill Pmt -Check	12/01/2010	14710	PRINTING RESOURCES	55743	1012 - Bank of America Gen'l Ckg	
Bill	11/22/2010	55743		business cards for Frank Yoo - qty 500	6031.7 - Other Office Supplies	207.70
TOTAL						207.70
Bill Pmt -Check	12/01/2010	14711	PURCHASE POWER	8000909000168851	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	8000909000168851		order ink cartridges for meter FedEx shipments for: 10/21/10 - check to BHFS; 10 6042 - Postage - General	6031.7 - Other Office Supplies	224.54
TOTAL						97.78
TOTAL						322.32

CHINO BASIN WATERMASTER  
 Cash Disbursements For The Month of  
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	12/01/2010	14712	VERIZON BUSINESS		1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	62398019		Oct-Nov Internet services - 62398019	6053 - Internet Expense	2,511.50
Bill	12/01/2010	62398019		Dec Internet services - 62398019	6053 - Internet Expense	1,255.75
TOTAL						3,767.25
Bill Pmt -Check	12/01/2010	14713	W.C. DISCOUNT MOBILE AUTO DETAILING		1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010			Truck washing service	6177 - Vehicle Repairs & Maintenance	100.00
TOTAL						100.00
Bill Pmt -Check	12/02/2010	14714	HOGAN LOVELLS		1012 - Bank of America Gen'l Ckg	
Bill	11/10/2010	1937753		Non-Ag Legal Services	8567 - Non-Ag Legal Service	8,553.37
TOTAL						8,553.37
Bill Pmt -Check	12/08/2010	14715	HSBC BUSINESS SOLUTIONS		1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	7003730910002744		misc. office supplies, meeting supplies	6031.7 - Other Office Supplies	314.28
TOTAL						314.28
Bill Pmt -Check	12/08/2010	14716	JOHN J. SCHATZ		1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010			Approp. Pool Legal Services - November 2010	8367 - Legal Service	4,305.43
Bill	11/30/2010			Approp. Pool Legal Services - October 2010	8367 - Legal Service	3,985.17
TOTAL						8,290.60
Bill Pmt -Check	12/08/2010	14717	LOS ANGELES TIMES		1012 - Bank of America Gen'l Ckg	
Bill	12/07/2010	010006926943		Newspaper subscription 12/07/10-12/05/11	6112 - Subscriptions/Publications	311.50
TOTAL						311.50
Bill Pmt -Check	12/08/2010	14718	PAYCHEX		1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	2010112500		Payroll Processing - November 2010	6012 - Payroll Services	352.84
TOTAL						352.84
Bill Pmt -Check	12/08/2010	14719	SAFEGUARD DENTAL & VISION		1012 - Bank of America Gen'l Ckg	
Bill	12/07/2010	3448033		Employee Dental Premium - December 2010	60182.2 - Dental & Vision Ins	7.91
TOTAL						7.91
Bill Pmt -Check	12/08/2010	14720	THEIRL, JIM		1012 - Bank of America Gen'l Ckg	
TOTAL						
Bill Pmt -Check	12/08/2010	14721	UNION 76		1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	300732989		November 2010	6175 - Vehicle Fuel	148.22
TOTAL						148.22

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Cash Disbursements For The Month of  
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	12/08/2010	14722	VERIZON		1012 · Bank of America Gen'l Ckg	
Bill	11/19/2010	012561121521714508		012561121521714508	7405 · PE4-Other Expense	150.74
Bill	12/02/2010	012519116950792103		012519116950792103	6022 · Telephone	412.86
TOTAL						563.60
Bill Pmt -Check	12/08/2010	14723	CITISTREET		1012 · Bank of America Gen'l Ckg	
General Journal	11/27/10	11/27/10	CITISTREET	Payroll and Taxes for 11/14/10-11/27/10 Employee 457 Deductions	2000 · Accountis Payable	1,955.33
TOTAL						1,955.33
Bill Pmt -Check	12/08/2010	14724	PUBLIC EMPLOYEES' RETIREMENT SYSTEM		1012 · Bank of America Gen'l Ckg	
General Journal	11/27/2010	11/27/10	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493 CalPERS retirement for 11/14/10-11/27/10	2000 · Accountis Payable	6,575.29
TOTAL						6,575.29
Bill Pmt -Check	12/08/2010	14725	REID & HELLNER		1012 · Bank of America Gen'l Ckg	
Bill	11/30/2010	172856		172856 172856 - Ag Pool Legal Services 172856 - Ag Pool Legal Services	8467 · Ag Legal & Technical Services 8467.1 · Frank B. & Associates	13,070.00 1,457.50
TOTAL						14,527.50
Bill Pmt -Check	12/08/2010	14726	YUKON DISPOSAL SERVICE		1012 · Bank of America Gen'l Ckg	
Bill	12/07/2010	08-K2 213849		08-K2 213849 Service for Dec 2010	6024 · Bullding Repair & Maintenance	142.88
TOTAL						142.88
Bill Pmt -Check	12/08/2010	14727	THEIRL, JIM		1012 · Bank of America Gen'l Ckg	
Bill	12/02/2010			Reimburse for well sampling project exp. Reimburse for well sampling project exp.	7103.6 · Grdwtr Qual-Supplies	437.34
TOTAL						437.34
Bill Pmt -Check	12/08/2010	14728	CAMACHO, MICHAEL		1012 · Bank of America Gen'l Ckg	
Bill	11/18/2010	11/18 Advisory Comm		11/18/2010 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	12/08/2010	14729	GREAT AMERICA LEASING CORP.		1012 · Bank of America Gen'l Ckg	
Bill	12/08/2010	10339902		10339902 Invoice minus 4 months of insurance @ 42.90 Maintenance Fee Usage for Black Copies Usage for Color Copies	6043.1 · Ricoh Lease Fee 6043.2 · Ricoh Usage & Maintenance Fee 6043.2 · Ricoh Usage & Maintenance Fee 6043.2 · Ricoh Usage & Maintenance Fee	2,814.41 313.70 345.47 643.31
TOTAL						4,116.89
Bill Pmt -Check	12/08/2010	14730	KUHN, BOB		1012 · Bank of America Gen'l Ckg	
Bill	11/18/2010	11/18 Board Meeting		11/18/2010 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00

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Cash Disbursements For The Month of  
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Type	Date	Num	Name	Memo	Account	Paid Amount
<b>Bill Pmt -Check</b>	<b>12/08/2010</b>	<b>14731</b>	<b>MWH LABORATORIES</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/30/2010	L0043958		L0043958 - Hydraulic Control-Lab Svcs	7108.4 - Hydraulic Control-Lab Svcs	410.00
Bill	11/30/2010	L0043959		L0043959 - Hydraulic Control-Lab Svcs	7108.4 - Hydraulic Control-Lab Svcs	2,065.00
Bill	11/30/2010	L0043466		L0043466 - Hydraulic Control-Lab Svcs	7108.4 - Hydraulic Control-Lab Svcs	1,532.00
Bill	11/30/2010	L0043954		L0043954 - Hydraulic Control-Lab Svcs	7108.4 - Hydraulic Control-Lab Svcs	2,065.00
<b>TOTAL</b>						<b>6,072.00</b>
<b>Bill Pmt -Check</b>	<b>12/08/2010</b>	<b>14732</b>	<b>PIERSON, JEFFREY</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/18/2010	11/18 Board Meeting		11/18/2010 Board Meeting	6311 - Board Member Compensation	125.00
<b>TOTAL</b>						<b>125.00</b>
<b>Bill Pmt -Check</b>	<b>12/08/2010</b>	<b>14733</b>	<b>QUILL</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	12/01/2010	9638765		9638765 copy paper	6031.1 - Copy Paper	175.74
<b>TOTAL</b>						<b>175.74</b>
<b>Bill Pmt -Check</b>	<b>12/08/2010</b>	<b>14734</b>	<b>SAGE, KEVIN</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/18/2010	11/18 Board Meeting		11/18/2010 Board Meeting	6311 - Board Member Compensation	125.00
<b>TOTAL</b>						<b>125.00</b>
<b>Bill Pmt -Check</b>	<b>12/08/2010</b>	<b>14735</b>	<b>VANDEN HEUVEL, GEOFFREY</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/04/2010	11/04 Ag Pool Mtg		11/04/2010 Ag Pool Closed Session	6311 - Board Member Compensation	125.00
Bill	11/12/2010	11/12 CDA Call		11/12/2010 CDA Conference Call	6311 - Board Member Compensation	125.00
Bill	11/18/2010	11/18 Board Meeting		11/18/2010 Board Meeting	6311 - Board Member Compensation	125.00
<b>TOTAL</b>						<b>375.00</b>
<b>Bill Pmt -Check</b>	<b>12/08/2010</b>	<b>14736</b>	<b>WILDERMUTH ENVIRONMENTAL INC</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/30/2010	2010725		2010725 - OBMP Engineering Services	6906 - OBMP Engineering Services	3,512.00
Bill	11/30/2010	2010726		2010726 - OBMP Engineering Services	6906 - OBMP Engineering Services	300.00
Bill	11/30/2010	2010727		2010727 - OBMP Engineering Services	6906 - OBMP Engineering Services	1,415.00
Bill	11/30/2010	2010728		2010728 - OBMP Engineering Services	6906 - OBMP Engineering Services	3,086.25
Bill	11/30/2010	2010729		2010729 - OBMP Engineering Services	6906 - OBMP Engineering Services	22,212.50
Bill	11/30/2010	2010730		2010730 - Grdwtr Qual-Engineering	7103.3 - Grdwtr Qual-Engineering	2,068.75
Bill	11/30/2010	2010731		2010731 - Grdwtr Qual-Engineering	7103.3 - Grdwtr Qual-Engineering	125.00
Bill	11/30/2010	2010732		2010732 - Grdwtr Qual-Engineering	7103.3 - Grdwtr Qual-Engineering	187.50
Bill	11/30/2010	2010733		2010733 - Grdwtr Qual-Engineering	7103.3 - Grdwtr Qual-Engineering	1,656.25
Bill	11/30/2010	2010734		2010734 - Grdwtr Level-Engineering	7104.3 - Grdwtr Level-Engineering	300.00
Bill	11/30/2010	2010735		2010735 - Grdwtr Level-Engineering	7104.3 - Grdwtr Level-Engineering	3,271.20
Bill	11/30/2010	2010736		2010736 - Grdwtr Level-Engineering	7104.3 - Grdwtr Level-Engineering	2,275.00
Bill	11/30/2010	2010737		2010737 - Grdwtr Level-Engineering	7104.3 - Grdwtr Level-Engineering	2,812.50
Bill	11/30/2010	2010738		2010738 - Grdwtr Level-Capital Equip	7104.9 - Grdwtr Level-Capital Equip	2,286.00

TOTAL 4

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	11/30/2010	2010739		2010739 - Grd Level-Engineering	7107.2 · Grd Level-Engineering	6,656.49
Bill	11/30/2010	2010740		2010740 - Grd Level-Cap Equip Exte	7107.8 · Grd Level-Cap Equip Exte	1,054.80
Bill	11/30/2010	2010741		2010741 - Grd Level-Cap Equip Exte	7107.8 · Grd Level-Cap Equip Exte	64.60
Bill	11/30/2010	2010742		2010742 - Grd Level-Engineering	7107.2 · Grd Level-Engineering	15,864.30
Bill	11/30/2010	2010743		2010743 - Grd Level-Contract Svcs	7107.6 · Grd Level-Contract Svcs	5,571.06
Bill	11/30/2010	2010744		2010744 - Grd Level-Engineering	7107.2 · Grd Level-Engineering	450.00
Bill	11/30/2010	2010745		2010745 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	450.00
Bill	11/30/2010	2010746		2010746 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	1,671.90
Bill	11/30/2010	2010747		2010747 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	656.25
Bill	11/30/2010	2010748		2010748 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	181.25
Bill	11/30/2010	2010749		2010749 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	225.00
Bill	11/30/2010	2010750		2010750 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	588.10
Bill	11/30/2010	2010751		2010751 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	218.75
Bill	11/30/2010	2010752		2010752 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	1,837.50
Bill	11/30/2010	2010753		2010753 - Hydraulic Control-Engineering	7108.3 · Hydraulic Control-Engineering	15.88
Bill	11/30/2010	2010754		2010754 - Recharge & Well - Engineering	7109.3 · Recharge & Well - Engineering	808.75
Bill	11/30/2010	2010756		2010756 - PE4-Engineering	7402 · PE4-Engineering	450.00
Bill	11/30/2010	2010757		2010757 - PE6&7-Engineering	7502 · PE6&7-Engineering	645.00
Bill	11/30/2010	2010758		2010758 - PE6&7-Engineering	7502 · PE6&7-Engineering	53.75
Bill	11/30/2010	2010755		2010755 - PE3&5-Engineering	7303 · PE3&5-Engineering	8,215.00
<b>P15</b>						<b>91,196.33</b>
TOTAL						
Bill Pmt -Check	12/08/2010	14737	WILLIS, KENNETH	VOID	1012 - Bank of America Gen'l Ckg	
Bill Pmt -Check	12/08/2010	14738	YOUNG, ROBERT	11/18/2010 Board Meeting	1012 - Bank of America Gen'l Ckg	125.00
Bill	11/18/2010	11/18 Board Meeting		11/18/2010 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						
Bill Pmt -Check	12/09/2010	14739	HAUGHEY, TOM	11/18/10 Board Meeting	1012 - Bank of America Gen'l Ckg	125.00
Bill	11/18/2010	11/18 Board Meeting		11/18/10 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						
General Journal	12/11/2010	12/11/2010		Payroll and Taxes 11/28/10-12/11/10	1012 - Bank of America Gen'l Ckg	10,215.23
Bill	12/11/2010	11/28/10-12/11/10		Payroll Taxes 11/28/10-12/11/10	1012 · Bank of America Gen'l Ckg	31,391.97
Bill	12/11/2010	11/28/10-12/11/10		Direct Deposits 11/28/10-12/11/10	1012 · Bank of America Gen'l Ckg	41,607.20
TOTAL						
Bill Pmt -Check	12/13/2010	14740	GRAINGER		1012 - Bank of America Gen'l Ckg	49.85
Bill	11/16/2010	9397062655		9397062655 - Grdwtr Qual-Supplies	7103.6 · Grdwtr Qual-Supplies	84.83
Bill	11/24/2010	9403607998		9403607998 - Grdwtr Qual-Supplies	7103.6 · Grdwtr Qual-Supplies	134.68
TOTAL						

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	12/13/2010	14741	PETTY CASH	2317-2332	1012 - Bank of America Gen'l Ckg	
Bill	12/13/2010			supplies for auxiliary room - bowls, trays	6031.7 - Other Office Supplies	206.17
				mileage reimbursement - s. molino	6173 - Mileage Reimbursements	33.00
				gas for field trucks	6175 - Vehicle Fuel	27.00
				travel reimbursement for K. Manning	6191 - Conferences - General	40.00
				supplies for 10/21 11/18 Advisory Comm. mtgs	6212 - Meeting Expense	17.75
				hose for water quality sampling	7103.6 - Grdwtr Qual-Supplies	32.68
				supplies for GRCC mtgs 10/26 and 12/08	7205 - Comp Recharge-Other Expense	41.56
				supplies for 11/18 DYY mtg	7604 - PE&S-Supplies	9.38
				supplies for 10/21 Special Approp. Pool Mtg	8312 - Meeting Expenses	8.38
TOTAL						415.92
Bill Pmt -Check	12/13/2010	14742	RAUCH COMMUNICATION CONSULTANTS, LLC Dec-121001	progress billing - annual report	1012 - Bank of America Gen'l Ckg	
Bill	12/08/2010	Dec-121001			6061.3 - Rauch	2,786.25
TOTAL						2,786.25
Bill Pmt -Check	12/13/2010	14743	STATE OF CALIFORNIA BOARD OF EQUALIZATI	annual water rights fee for application A028473	1012 - Bank of America Gen'l Ckg	
Bill	12/13/2010	094-014940			7205 - Comp Recharge-Other Expense	549.70
TOTAL						549.70
Bill Pmt -Check	12/13/2010	14744	WESTERN DENTAL SERVICES, INC.	002483	1012 - Bank of America Gen'l Ckg	
Bill	12/13/2010	002483		Dental premium - January 2011	60182.2 - Dental & Vision Ins	28.06
TOTAL						28.06
Bill Pmt -Check	12/13/2010	14745	STATE OF CALIFORNIA BOARD OF EQUALIZATI	annual water rights fee for application A031369	1012 - Bank of America Gen'l Ckg	
Bill	12/13/2010	094-014458			7205 - Comp Recharge-Other Expense	2,154.70
TOTAL						2,154.70
Bill Pmt -Check	12/13/2010	14746	STATE OF CALIFORNIA BOARD OF EQUALIZATI	annual water rights fee for application A028996	1012 - Bank of America Gen'l Ckg	
Bill	12/13/2010	094-014939			7205 - Comp Recharge-Other Expense	909.70
TOTAL						909.70
Bill Pmt -Check	12/13/2010	14747	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 - Bank of America Gen'l Ckg	
Bill	11/30/2010	XXXXXXXXXXXXXXXX9341		travel expense - K. Manning	6191 - Conferences - General	430.42
				lunch for 11/18 mtg	6212 - Meeting Expense	243.87
				lunch for 11/18 mtg	6312 - Meeting Expenses	243.88
				notary expense-SBCFCD-San Seavaine Channel	7205 - Comp Recharge-Other Expense	40.00
				traffic sign for w/q sampling in Ontario	7103.6 - Grdwtr Qual-Supplies	380.00
TOTAL						1,338.17

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Type	Date	Num	Name	Memo	Account	Paid Amount
<b>Bill Pmt -Check</b>	<b>12/13/2010</b>	<b>14748</b>	<b>CORELOGIC INFORMATION SOLUTIONS</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/30/2010	13011662		13011662 - Grdwtr Qual-Computer Svc	7103.7 - Grdwtr Qual-Computer Svc	62.50
				13011662 - Grdwtr Qual-Computer Svc	7101.4 - Prod Monitor-Computer	62.50
<b>TOTAL</b>						<b>125.00</b>
<b>Bill Pmt -Check</b>	<b>12/13/2010</b>	<b>14749</b>	<b>MWH LABORATORIES</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/03/2010	L0043016		L0043016 - Grdwtr Qual-Lab Svcs	7103.5 - Grdwtr Qual-Lab Svcs	1,554.00
Bill	11/24/2010	L0043540		L0043540 - Grdwtr Qual-Lab Svcs	7103.5 - Grdwtr Qual-Lab Svcs	1,066.00
Bill	11/24/2010	L0043462		L0043462 - Grdwtr Qual-Lab Svcs	7103.5 - Grdwtr Qual-Lab Svcs	1,066.00
Bill	11/24/2010	L0043538		L0043538 - Grdwtr Qual-Lab Svcs	7103.5 - Grdwtr Qual-Lab Svcs	1,456.00
<b>TOTAL</b>						<b>5,142.00</b>
<b>Bill Pmt -Check</b>	<b>12/13/2010</b>	<b>14750</b>	<b>VERIZON WIRELESS</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/30/2010	0929763569		0929763569 - monthly service	6022 - Telephone	598.38
<b>TOTAL</b>						<b>598.38</b>
<b>General Journal</b>	<b>12/15/2010</b>	<b>12/15/10</b>			<b>1012 - Bank of America Gen'l Ckg</b>	
				Service Charge-Sep/Nov Service Charge	6031.7 - Other Office Supplies	153.16
<b>TOTAL</b>						<b>153.16</b>
<b>Check</b>	<b>12/15/2010</b>	<b>14751</b>	<b>RELIANT ENERGY, ETIWANDA*</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Credit Memo	11/15/2010	NAG10-07		Assessment Refund - Negative Production	4123 - Non-Agricultural Pool	128.97
				Non-Agricultural Pool Admin. Assessment	4124 - OBMP Adm Assessment	732.15
				OBMP Administrative Assessment	4123.3 - Non-Ag Pool-Special Assessment	668.95
				Non-Agricultural Pool Allocation		1,530.07
<b>TOTAL</b>						<b>83,073.38</b>
<b>Check</b>	<b>12/15/2010</b>	<b>14752</b>	<b>MONTE VISTA IRRIGATION COMPANY</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Credit Memo	11/15/2010	AP10-10CR		Assessment Refund - Negative Production	4211 - 15% Gross Assessments	83,073.38
				15% Gross Replenishment Assessments		83,073.38
<b>TOTAL</b>						<b>5,844.00</b>
<b>Bill Pmt -Check</b>	<b>12/15/2010</b>	<b>14753</b>	<b>CUCAMONGA VALLEY WATER DISTRICT</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	12/14/2010			Lease Due Jan 1, 2011	1422 - Prepaid Rent	5,844.00
				Building Rent - January 1, 2011		5,844.00
<b>TOTAL</b>						<b>14.95</b>
<b>Bill Pmt -Check</b>	<b>12/15/2010</b>	<b>14754</b>	<b>PREMIERE GLOBAL SERVICES</b>		<b>1012 - Bank of America Gen'l Ckg</b>	
Bill	11/30/2010	05106183		05106183 - monthly fee	6022 - Telephone	14.95
				CDA calls-10/27,28,29,11/3,5,10,12,19 & 24	7305 - PE3&5-Supplies	392.44
				cleanup litigation call on 10/28	6909.1 - OBMP Meetings	147.78
				Non Ag Pool meetings on 11/04 and 11/10	8512 - Meeting Expense	275.26
				monitoring well sampling call on 11/24	7103.6 - Grdwtr Qual-Supplies	7.72
<b>TOTAL</b>						<b>838.15</b>

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	12/15/2010	14755	QUILL	9688883	1012 - Bank of America Gen'l Ckg	667.50
Bill	12/14/2010	9688883		4 minute books, 5 packs of refill paper	6031.7 - Other Office Supplies	667.50
TOTAL						
Bill Pmt -Check	12/15/2010	14756	THE STANDARD INSURANCE COMPANY	160-513170-00006	1012 - Bank of America Gen'l Ckg	313.12
Bill	12/14/2010	160-513170		Employee Dental Premiums - January 2011	60182.2 - Dental & Vision Ins	313.12
TOTAL						
Bill Pmt -Check	12/15/2010	14757	STAULA, MARY L		1012 - Bank of America Gen'l Ckg	136.61
Bill	12/15/2010			Employer portion of Retiree Medical	60182.4 - Retiree Medical	136.61
TOTAL						
Bill Pmt -Check	12/21/2010	14758	BROWNSTEIN HYATT FARBER SCHRECK		1012 - Bank of America Gen'l Ckg	14,707.00
Bill	11/30/2010	437928		437928 - WM Legal Counsel	6907.3 - WM Legal Counsel	14,707.00
Bill	11/30/2010	437929		437929 - Santa Ana River Water Rights	6907.34 - Santa Ana River Water Rights	1,608.75
Bill	11/30/2010	437930		437930 - Ontario Airport Plume	6907.31 - Ontario Airport Plume	791.55
Bill	11/30/2010	437931		437931 - Paragaph 31 Motion	6907.35 - Paragaph 31 Motion	6,527.30
Bill	11/30/2010	437983		437983 - Desalter Negotiations	6907.33 - Desalter Negotiations	8,491.50
TOTAL						32,126.10
Bill Pmt -Check	12/21/2010	14759	CALPERS	1741	1012 - Bank of America Gen'l Ckg	4,995.65
Bill	12/21/2010	1741		Employee Medical Premiums - January 2011	60182.1 - Medical Insurance	4,995.65
TOTAL						
Bill Pmt -Check	12/21/2010	14760	DAN VASILE		1012 - Bank of America Gen'l Ckg	165.00
Bill	12/21/2010			to treat employee injury-cut hand-Wilson	60183 - Worker's Comp Insurance	165.00
TOTAL						
Bill Pmt -Check	12/21/2010	14761	GUARANTEED JANITORIAL-SERVICE, INC.	28261	1012 - Bank of America Gen'l Ckg	865.00
Bill	12/21/2010	28261		Janitorial service - December 2010	6024 - Building Repair & Maintenance	865.00
TOTAL						
Bill Pmt -Check	12/21/2010	14762	PRE-PAID LEGAL SERVICES, INC.	111802	1012 - Bank of America Gen'l Ckg	77.70
Bill	12/21/2010	111802		December 2010	60194 - Other Employee Insurance	77.70
TOTAL						
Bill Pmt -Check	12/21/2010	14763	RAUCH COMMUNICATION CONSULTANTS, LLC Oct 101003		1012 - Bank of America Gen'l Ckg	900.00
Bill	12/21/2010	Oct 101003		Progressive billing - annual report	6061.3 - Rauch	900.00
TOTAL						



CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
December 2010

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	12/21/2010	14764	STANDARD INSURANCE CO.	Policy # 00-640888-0009	1012 · Bank of America Gen'l Ckg	
Bill	12/21/2010	6408880009		Life & Disability Ins Premium	60191 · Life & Disab.Ins Benefits	510.85
TOTAL						510.85
Bill Pmt -Check	12/21/2010	14765	W.C. DISCOUNT MOBILE AUTO DETAILING	Truck washing service	1012 · Bank of America Gen'l Ckg	
Bill	12/21/2010			truck washing 2 trucks	6177 · Vehicle Repairs & Maintenance	50.00
TOTAL						50.00
Bill Pmt -Check	12/21/2010	14766	CITISTREET	Payroll and Taxes 11/28/10-12/11/10	1012 · Bank of America Gen'l Ckg	
General Journal	12/21/2010	12/21/10	CITISTREET	Employee 457 Retirement Deductions	2000 · Accounts Payable	1,955.33
TOTAL						1,955.33
Bill Pmt -Check	12/21/2010	14767	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 · Bank of America Gen'l Ckg	
General Journal	12/11/2010	12/11/10	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS for 11/28/10-12/11/10	2000 · Accounts Payable	8,195.66
TOTAL						8,195.66
General Journal	12/25/2010	12/25/10	Payroll and Taxes for 12/12/10-12/25/10	Payroll Taxes for 12/12/10-12/25/10	1012 · Bank of America Gen'l Ckg	6,137.61
				Direct Deposits for 12/12/10-12/25/10	1012 · Bank of America Gen'l Ckg	24,558.67
TOTAL						30,696.28
General Journal	12/31/2010	12/31/10	Wage Works Direct Debit-Dec2010	Wage Works Direct Debit-Dec2010	1012 · Bank of America Gen'l Ckg	1,039.24
				Employee Deductions1-Wage Works-Dec2010	1012 · Bank of America Gen'l Ckg	1,039.24
				Employee Deductions2-Wage Works-Dec2010	1012 · Bank of America Gen'l Ckg	86.75
				Monthly Fee - Wage Works-Dec2010	1012 · Bank of America Gen'l Ckg	2,165.23
TOTAL						389,173.21

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# CHINO BASIN WATERMASTER

9641 San Bernardino Road, Rancho Cucamonga, Ca 91730  
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**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** February 24, 2011  
**TO:** Watermaster Board Members  
**SUBJECT:** VISA Check Detail Report – Financial Report B2

### SUMMARY

**Issue** – Record of VISA credit card payment disbursed for the month of December 2010.

**Recommendation** – Staff recommends the VISA Check Detail Report for December 2010 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2010-2011 Watermaster Budget.

### BACKGROUND

A monthly VISA Check Detail report is provided to keep all members apprised of Watermaster expenditures charged against the CEO and/or CFO's Bank of America VISA card.

### DISCUSSION

Total cash disbursement during the month of December 2010 was \$1,338.17. The monthly charges for December 2010 were for routine and customary expenditures and properly documented with receipts.

### Actions:

February 3, 2011 Appropriative Pool – Approved Unanimously  
February 3, 2011 Non-Agricultural Pool – Approved Unanimously  
February 10, 2011 Agricultural Pool – Approved Unanimously  
February 17, 2011 Advisory Committee – Approved Unanimously  
February 24, 2011 Watermaster Board –

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CHINO BASIN WATERMASTER  
 VISA Check Detail Report  
 December 2010

Type	Num	Date	Name	Memo	Account	Paid Amount
Bill Pmt -Check	14747	12/13/2010	BANK OF AMERICA	XXXX-XXXX-XXXX-9341	1012 - Bank of America Gen'l Ckg	430.42
Bill	XXXX-XXXX-XXXX-9341	11/30/2010		travel expense - K. Manning	6191 - Conferences - General	243.87
				lunch for 11/18 mtg	6212 - Meeting Expense	243.88
				lunch for 11/18 mtg	6312 - Meeting Expenses	40.00
				notary expense for SBCFCD contract for San Sevaline Channel	7205 - Comp Recharge-Other Expense	380.00
				traffic sign for w/q sampling in Ontario	7103.6 - Growtr Qual-Supplies	1,338.17
TOTAL						

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**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** February 24, 2011  
**TO:** Watermaster Board Members  
**SUBJECT:** Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2010 through December 31, 2010 - Financial Report B3

### SUMMARY

**Issue** – Record of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2010 through December 31, 2010.

**Recommendation** – Staff recommends the Combining Schedule of Revenue, Expenses and Changes in Working Capital for the Period July 1, 2010 through December 31, 2010 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2010-2011 Watermaster Budget.

### BACKGROUND

A Combining Schedule of Revenue, Expenses and Changes in Working Capital for the period July 1, 2010 through December 31, 2010 is provided to keep all members apprised of the FY 2010/2011 cumulative Watermaster revenues, expenditures and changes in working capital for the period listed.

### DISCUSSION

The Combining Schedule of Revenue, Expenses and Changes in Working Capital has been created from various financial reports and statements created from QuickBooks Enterprise Solutions 9.0, the Watermaster accounting system. The Combining Schedule provided balances to the supporting documentation in the Watermaster accounting system as presented.

### Actions:

February 3, 2011 Appropriative Pool – Approved Unanimously  
February 3, 2011 Non-Agricultural Pool – Approved Unanimously  
February 10, 2011 Agricultural Pool – Approved Unanimously  
February 17, 2011 Advisory Committee – Approved Unanimously  
February 24, 2011 Watermaster Board –

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CHINO BASIN WATERMASTER  
 COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN WORKING CAPITAL  
 FOR THE PERIOD JULY 1, 2010 THROUGH DECEMBER 31, 2010

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION & SPECIAL PROJECTS		GROUNDWATER OPERATIONS		EDUCATION FUNDS	GRAND TOTALS	BUDGET 2010-2011
			AG POOL	NON-AG POOL	GROUNDWATER REPLENISHMENT	SB222 FUNDS			
Administrative Revenues:									
Administrative Assessments	6,508,169							6,508,169	\$6,508,070
Interest Revenue	(272)						2	13,929	175,010
Mutual Agency Project Revenue	111,000		1,158	484				111,000	148,410
Grant Income								-	0
Miscellaneous Income								-	0
Total Revenues	6,618,898	-	1,158	484			2	6,633,098	6,831,490
Administrative & Project Expenditures:									
Watermaster Administration	269,893							269,893	512,546
Watermaster Board-Advisory Committee	32,565							32,565	73,073
Pool Administration		797,986	95,973	64,475				191,804	474,856
Optimum Basin Mgmt Administration		1,346,221						797,986	1,350,390
OBMP Project Costs		637,198						1,346,221	3,772,619
Debt Service								637,198	700,964
Education Funds Use							375	375	375
Mutual Agency Project Costs								-	10,000
Total Administrative/OBMP Expenses	302,458	2,781,404	95,973	64,475			375	3,276,042	6,894,823
Net Administrative/OBMP Expenses	6,316,439	(2,781,404)						-	-
Allocate Net Admin Expenses To Pools		(4,343,506)	(1,757,344)	(215,589)				-	-
Allocate Net OBMP Expenses To Pools		2,144,207	1,474,466	596,556				-	-
Allocate Debt Service to App Pool		637,198						-	-
Agricultural Expense Transfer*		(1,064,815)	1,064,815					-	-
Total Expenses	(3,265,302)		-	(77,929)			375	3,276,042	6,894,823
Net Administrative Income	3,277,858		1,158	78,413			(375)	3,357,057	(63,333)
Other Income/(Expense)									
Replenishment Water Assessments					5,866,500			5,866,500	0
Interest Revenue					4,632			4,632	0
Water Purchases								-	0
Balance Adjustment								-	0
Other Water Purchases								-	0
Groundwater Replenishment					(183,732)			(183,732)	0
Net Other Income					5,687,400			5,687,400	0
Net Transfers To/(From) Reserves	9,044,457		1,158	78,413	5,687,400		(375)	9,044,457	(63,333)
Working Capital, July 1, 2010									
Working Capital, End Of Period	6,219,006		473,483	256,632	1,369,991		1,001	8,478,365	
	9,496,865		474,641	335,045	7,057,392		628	17,522,822	17,522,822
09/10 Assessable Production	78,733,238		31,854,766	3,907,911				114,495,915	
09/10 Production Percentages	68.765%		27.822%	3.413%				100.000%	

\*Fund balance transfer as agreed to in the Peace Agreement.

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**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** February 24, 2011  
**TO:** Watermaster Board Members  
**SUBJECT:** Treasurer's Report of Financial Affairs for the Period December 1, 2010 through December 31, 2010 - Financial Report B4

### SUMMARY

**Issue** – Record of increases or decreases in the cash position, assets and liabilities of Watermaster for the Period of December 1, 2010 through December 31, 2010.

**Recommendation** – Staff recommends the Treasurer's Report of Financial Affairs for the Period December 1, 2010 through December 31, 2010 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2010-2011 Watermaster Budget.

### BACKGROUND

A Treasurer's Report of Financial Affairs for the Period December 1, 2010 through December 31, 2010 is provided to keep all members apprised of the total cash in banks (Bank of America and LAIF) and on hand at the Watermaster office (petty cash) at the end of the period stated. The Treasurer's Report details the change (increase or decrease) in the overall cash position of Watermaster, as well as the changes (increase or decrease) to the assets and liabilities section of the balance sheet. The report also provides a detailed listing of all deposits and/or withdrawals in the California State Treasurer's Local Agency Investment Fund (LAIF), the most current effective yield as of the last quarter, and the ending balance in LAIF as of the reporting date.

### DISCUSSION

The Treasurer's Report of Financial Affairs has been created from various financial reports and statements created from QuickBooks Enterprise Solutions 9.0, the Watermaster accounting system. The Treasurer's Report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

### Actions:

February 3, 2011 Appropriative Pool – Approved Unanimously  
February 3, 2011 Non-Agricultural Pool – Approved Unanimously  
February 10, 2011 Agricultural Pool – Approved Unanimously  
February 17, 2011 Advisory Committee – Approved Unanimously  
February 24, 2011 Watermaster Board –

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CHINO BASIN WATERMASTER  
 TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
 DECEMBER 1 THROUGH DECEMBER 31, 2010

<b>DEPOSITORIES:</b>		
Cash on Hand - Petty Cash	\$	500
Bank of America		
Governmental Checking-Demand Deposits	\$	1,576,968
Zero Balance Account - Payroll	\$	-
Local Agency Investment Fund - Sacramento		
<b>TOTAL CASH IN BANKS AND ON HAND</b>		<b>12/31/2010</b>
<b>TOTAL CASH IN BANKS AND ON HAND</b>		<b>11/30/2010</b>
	\$	17,582,369
		6,004,432
	\$	<u>11,577,937</u>

**CHANGE IN CASH POSITION DUE TO:**

Decrease/(Increase) in Assets:		
Accounts Receivable	\$	(8,518)
Assessments Receivable		11,879,379
Prepaid Expenses, Deposits & Other Current Assets		25
(Decrease)/Increase in Liabilities		16,937
Accounts Payable		2,605
Accrued Payroll, Payroll Taxes & Other Current Liabilities		(312,491)
Transfer to/(from) Reserves		
<b>PERIOD INCREASE (DECREASE)</b>	\$	<u>11,577,937</u>

**SUMMARY OF FINANCIAL TRANSACTIONS:**

	Zero Balance	Local Agency	Totals
	Account	Investment Funds	
	Payroll		
Balances as of 11/30/2010	\$ -	\$ 6,004,902	\$ 6,004,432
Deposits	-	-	12,520,795
Transfers	104,509	10,000,000	(500,000)
Withdrawals/Checks	(104,509)	-	(442,858)
Balances as of 12/31/2010	\$ -	\$ 16,004,902	\$ 17,582,369
<b>PERIOD INCREASE OR (DECREASE)</b>	\$ -	\$ 10,000,000	\$ 11,577,937

**CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
DECEMBER 1 THROUGH DECEMBER 31, 2010**

**INVESTMENT TRANSACTIONS**

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
12/10/2010	Withdrawal	L.A.I.F	\$ (500,000)				
12/20/2010	Deposit	L.A.I.F	\$ 10,500,000				
<b>TOTAL INVESTMENT TRANSACTIONS</b>			<b>\$ 10,000,000</b>				

\* The earnings rate for L.A.I.F. is a daily variable rate; 0.46% was the effective yield rate at the Quarter ended December 31, 2010.

**INVESTMENT STATUS  
December 31, 2010**

Financial Institution	Principal Amount	Number of Days	Interest Rate	Maturity Date
Local Agency Investment Fund	\$ 16,004,902			
<b>TOTAL INVESTMENTS</b>	<b>\$ 16,004,902</b>			

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,

Joseph S. Joswiak  
Chief Financial Officer  
Chino Basin Watermaster

	1/12th of the Total Budget			6/12th (50%) of the Total Budget			100% of the Total Budget		
	Actual	Budget	% of Budget	Actual	Budget	% of Budget	Projected	Budget	% of Budget
<b>Income</b>									
4010 · Local Agency Subsidies	0.00	0.00	0.0%	111,000.00	148,410.00	74.79%	111,000.00	148,410.00	74.79%
4110 · Admin Asmnts-Approp Pool	0.00	0.00	0.0%	6,165,079.40	6,165,067.00	100.2%	6,165,079.40	6,165,067.00	100.2%
4120 · Admin Asmnts-Non-Agri Pool	0.00	0.00	0.0%	343,089.90	355,003.00	96.64%	343,089.90	355,003.00	96.64%
4700 · Non Operating Revenues	5,407.22	35,002.00	15.45%	13,929.02	70,004.00	19.9%	28,929.02	175,010.00	16.53%
4900 · Miscellaneous Income	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
<b>Total Income</b>	5,407.22	35,002.00	15.45%	6,633,098.32	6,726,484.00	98.61%	6,648,098.32	6,831,490.00	97.32%
<b>Gross Profit</b>	5,407.22	35,002.00	15.45%	6,633,098.32	6,726,484.00	98.61%	6,648,098.32	6,831,490.00	97.32%
<b>Expense</b>									
6010 · Salary Costs	38,741.13	38,787.00	99.88%	233,911.10	234,222.00	99.87%	492,822.80	484,944.00	106.0%
6020 · Office Building Expense	9,104.05	8,433.00	107.96%	48,756.80	50,598.00	96.36%	97,514.00	101,196.00	96.36%
6030 · Office Supplies & Equip.	2,496.71	2,541.67	98.23%	11,017.85	15,250.00	72.25%	25,036.00	30,500.00	82.09%
6040 · Postage & Printing Costs	4,260.17	5,000.00	85.2%	34,108.15	43,900.00	77.7%	73,216.00	78,300.00	93.51%
6050 · Information Services	22,300.65	13,766.66	161.99%	75,952.98	76,100.00	99.81%	137,638.00	142,200.00	96.79%
6060 · Contract Services	3,686.25	9,600.00	38.8%	23,130.00	52,000.00	44.48%	71,260.00	75,000.00	95.01%
6080 · Insurance	0.00	0.00	0.0%	15,863.00	17,575.00	90.26%	17,363.00	17,575.00	98.79%
6110 · Dues and Subscriptions	311.50	1,250.00	24.92%	12,166.13	22,750.00	53.48%	30,000.00	30,000.00	100.0%
6140 · WM Admin Expenses	395.12	250.00	158.05%	515.41	1,500.00	34.35%	1,030.00	3,000.00	34.33%
6150 · Field Supplies	0.00	0.00	0.0%	-15.66	900.00	-1.74%	900.00	1,800.00	50.0%
6170 · Travel & Transportation	1,034.81	2,730.00	37.91%	13,836.19	16,500.00	83.45%	29,172.00	33,160.00	87.97%
6190 · Conferences & Seminars	1,295.20	0.00	100.0%	12,139.14	16,500.00	73.57%	21,639.00	23,000.00	94.08%
6200 · Advisory Comm - WM Board	1,227.72	1,872.50	65.57%	8,720.26	11,235.00	77.62%	17,440.00	22,470.00	77.62%
6300 · Watermaster Board Expenses	3,278.38	4,216.92	77.74%	23,844.71	25,301.50	94.24%	50,190.00	50,603.00	99.18%
8300 · Appr Pl-WM & Pool Admin	1,766.62	7,983.84	22.13%	31,355.72	42,143.00	74.4%	74,712.00	90,043.00	82.97%
8400 · Agri Pool-WM & Pool Admin	4,955.70	2,345.59	211.28%	15,508.02	14,073.50	110.19%	31,016.00	28,147.00	110.19%
8467 · Ag Legal & Technical Services	8,480.50	9,833.33	86.24%	74,090.00	59,000.00	125.58%	148,180.00	118,000.00	125.68%
8470 · Ag Meeting Attend -Special	3,300.00	1,000.00	330.0%	6,375.00	6,000.00	106.25%	12,750.00	12,000.00	106.25%
8471 · Ag Pool Expense	0.00	16,250.00	0.0%	0.00	32,500.00	0.0%	30,000.00	65,000.00	46.15%
8500 · Non-Ag Pl-WM & Pool Admin	8,878.43	13,472.17	65.9%	64,475.13	80,833.00	79.76%	148,950.00	161,666.00	92.13%
6500 · Education Funds Use Expens	0.00	0.00	0.0%	375.00	375.00	100.0%	375.00	375.00	100.0%
9400 · Depreciation Expense	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9500 · Allocated G&A Expenditures	-34,039.61	-40,677.42	83.66%	-211,487.71	-244,064.50	86.65%	-430,476.00	-488,129.00	88.19%
6900 · Optimum Basin Mgmt Plan	69,390.78	83,912.99	82.69%	745,144.84	639,256.00	138.19%	1,540,290.00	1,197,734.00	128.61%
6950 · Intuit Agency Projects	0.00	0.00	0.0%	0.00	0.00	0.0%	10,000.00	10,000.00	100.0%
9501 · G&A Expenses Allocated-OBMP	7,661.77	11,888.00	64.62%	52,940.74	71,323.00	74.08%	105,662.00	142,656.00	74.08%
7101 · Production Monitoring	6,501.92	5,879.31	110.55%	46,776.95	52,109.50	89.77%	93,558.00	104,219.00	89.77%
7102 · In-line Meter Installation	4,325.10	5,556.59	77.84%	7,801.95	33,339.50	23.41%	35,604.00	66,679.00	53.4%
7103 · Grdwtr Quality Monitoring	17,142.65	16,916.34	101.34%	109,729.07	110,498.00	99.3%	202,053.00	202,996.00	99.55%
7104 · Gdwtr Level Monitoring	23,755.44	25,663.08	91.85%	103,498.86	168,141.00	61.56%	274,998.00	336,282.00	81.78%
7105 · Sur Wtr Qual Monitoring	-154.25	315.00	-48.97%	771.23	2,140.00	36.04%	3,042.00	4,280.00	71.08%
7107 · Ground Level Monitoring	40,680.55	83,801.67	48.54%	217,949.52	407,810.00	53.44%	786,512.00	815,620.00	96.43%
7108 · Hydraulic Control Monitoring	9,038.50	41,141.67	21.97%	133,021.20	246,850.00	53.89%	451,759.00	493,700.00	91.51%
7109 · Recharge & Well Monitoring Prog	645.00	0.00	100.0%	7,123.75	8,440.00	84.41%	8,440.00	8,440.00	100.0%

	1/12th of the Total Budget			6/12th (50%) of the Total Budget			100% of the Total Budget		
	Actual	Budget	% of Budget	Actual	Budget	% of Budget	Projected	Budget	% of Budget
7200 - PE2 - Comp Recharge Pgm	11,808.19	23,835.17	49.54%	412,778.26	508,011.00	81.25%	972,122.00	1,011,022.00	96.15%
7300 - PE3&6-Water Supply/Desalte	5,612.80	2,989.25	208.71%	73,363.73	73,975.50	99.17%	106,358.00	90,111.00	118.03%
7400 - PE4 - Mgmt Plan	861.69	7,572.32	11.38%	12,057.01	45,977.50	26.22%	88,826.00	91,955.00	96.6%
7500 - PE6&7-CoopEfforts/SaltMgmt	12,896.00	12,181.67	106.6%	43,941.10	73,080.00	60.12%	140,180.00	146,180.00	95.9%
7600 - PE8&9-StorageMgmt/Conj Use	3,456.10	5,259.33	65.73%	18,759.66	31,725.00	59.13%	40,149.70	64,250.00	62.49%
7690 - Recharge Improvement Debt Pymt	0.00	0.00	0.0%	637,197.50	700,964.00	90.9%	637,197.50	700,964.00	90.9%
7700 - Inactive Well Protection Prgm	0.00	0.00	0.0%	0.00	706.00	0.0%	0.00	1,412.00	0.0%
9502 - G&A Expenses Allocated-Projects	26,357.83	28,789.42	91.55%	158,646.95	172,736.50	91.84%	317,294.00	345,473.00	91.84%
Total Expense	321,553.00	454,156.67	70.8%	3,276,041.54	3,822,369.00	85.71%	6,894,823.00	6,894,823.00	100.0%
Net Ordinary Income	-316,145.78	-419,154.67	75.43%	3,357,056.78	2,904,115.00	115.6%	-246,724.68	-63,333.00	389.57%
<b>Other Income</b>									
4225 - Interest Income	2,839.54	0.00	100.0%	4,631.79	0.00	100.0%	9,631.79	0.00	100.0%
4210 - Approp Pool-Replenishment	0.00	0.00	0.0%	3,594,458.40	0.00	100.0%	3,594,458.40	0.00	100.0%
4220 - Non-Ag Pool-Replenishment	0.00	0.00	0.0%	27,545.86	0.00	100.0%	27,545.86	0.00	100.0%
4600 - Groundwater Sales	0.00	0.00	0.0%	2,244,495.90	0.00	100.0%	2,244,495.90	0.00	100.0%
Total Other Income	2,839.54	0.00	100.0%	5,871,131.95	0.00	100.0%	5,876,131.95	0.00	100.0%
<b>Other Expense</b>									
5010 - Groundwater Replenishment	0.00	0.00	0.0%	183,731.60	0.00	100.0%	183,731.60	0.00	100.0%
5100 - Other Water Purchases	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%
9999 - Tol/(From) Reserves	-313,306.24	-419,154.67	74.75%	9,044,457.13	2,904,115.00	311.44%	5,445,675.67	-63,333.00	-8,598.48%
Total Other Expense	-313,306.24	-419,154.67	74.75%	9,228,198.73	2,904,115.00	317.76%	5,629,407.27	-63,333.00	-8,888.53%
Net Other Income	316,145.78	419,154.67	75.43%	-3,357,056.78	-2,904,115.00	115.6%	246,724.68	63,333.00	389.57%
Net Income	0.00	0.00	0.0%	0.00	0.00	0.0%	0.00	0.00	0.0%

Note: Please see the staff report (Financial Report-B5) for additional detailed information on the account categories.





# CHINO BASIN WATERMASTER

## II. BUSINESS ITEM

### A. TURNER BASIN EXCAVATION COST SHARING AGREEMENT





# CHINO BASIN WATERMASTER

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

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KENNETH R. MANNING  
Chief Executive Officer

## STAFF REPORT

**DATE:** February 24, 2011  
**TO:** Watermaster Board Members  
**SUBJECT:** Cost Sharing Agreement between Watermaster and Inland Empire Utilities Agency for Turner Basins

### SUMMARY

**Issue** - Consider and make recommendation regarding Agreement between Watermaster and IEUA to share costs associated with CEQA analysis and grading plans for expansion of recharge opportunities at Turner basins.

**Recommendation** – Watermaster's share of Agreement is not to exceed \$27,680.

**Financial Impact** - Staff recommends approval of Agreement.

### Staff Analysis

As part of its ongoing effort to implement the Recharge Master Plan, Watermaster continues to seek out opportunities to expand its wet water recharge capabilities in the Chino Basin. An opportunity currently exists to expand recharge at the Turner basins, through re-excavation of one of the basins on the west side of Archibald Avenue, and deepening of one of the basins on the east side of Archibald Avenue, in a cost effective manner.

The grading and excavation costs associated with the project will be funded by the City of Ontario and the San Bernardino Associated Governments ("SANBAG") as part of the Milliken Avenue Grade Separation Project. It is anticipated that up to 175,000 cubic yards of dirt will be removed. However, the San Bernardino County Flood Control District ("SBCFCD") requires that California Environmental Quality Act ("CEQA") documentation be completed prior to issuance of a permit to excavate on the Site. The Parties anticipate that any mitigation requirements identified in the CEQA documentation will be incorporated into the conditions for SBCFCD's permit.

Pursuant to their joint responsibilities regarding implementation of the Chino Basin Facilities Improvement Project and the Recharge Master Plan, Watermaster and the Inland Empire Utilities Agency ("IEUA") have agreed to split the costs associated with the CEQA review and grading plans for the project.

The purpose of this Agreement is to establish the administrative methodology for calculating cost-sharing for preparation of CEQA documentation, including preparation of an Initial Study and Mitigated Negative Declaration, and preparation of rough grading plans for the Project. IEUA has obtained a proposal from Tom Dodson and Associates for the preparation of an Initial Study and Mitigated Negative Declaration, including supporting technical studies and required filing fees. The estimated cost is \$28,064. In addition to the Initial Study and Mitigated Negative Declaration, a traffic study may be required in order to satisfy CEQA requirements, and the Agreement provides for a \$15,000 contingency to cover the costs of a traffic study, if required. The estimated cost for preparation of grading plans is \$5,074. IEUA plans to use internal staff to prepare the grading plans and to hire an outside survey firm to set control markers. Also, the agreement adds an additional 15-percent contingency (\$7,222) to the total cost for unforeseen conditions. Thus, Watermaster's share under the Agreement is \$27,680.

IEUA anticipates that the CEQA documentation for the Project will be adopted by the IEUA Board of Directors in April 2011.

Staff recommends approval of the cost-sharing agreement.

**Actions:**

February 3, 2011 Appropriative Pool – Moved to recommend approval for the Cost Sharing Agreement between Watermaster and Inland Empire Utilities Agency for Turner Basins Subject to Establishment of Fiscal Year Ending 2011 Funding for the Project

February 3, 2011 Non-Agricultural Pool – Moved to approve the Cost Sharing Agreement between Watermaster and Inland Empire Utilities Agency for Turner Basins, subject to any changes which the Chair determines appropriate

February 10, 2011 Agricultural Pool – Approved Unanimously

February 17, 2011 Advisory Committee – Approved Unanimously

February 24, 2011 Watermaster Board –

## COST SHARING AGREEMENT

### SUPPORT SERVICES FOR TURNER BASINS/GUASTI PARK RECHARGE SITE ENVIRONMENTAL REVIEW AND GRADING PLAN

This Cost Sharing Agreement ("Agreement") is entered into as of February [REDACTED], 2011, by and among CHINO BASIN WATERMASTER ("Watermaster") and INLAND EMPIRE UTILITIES AGENCY ("IEUA") (each a "Party" and collectively, the "Parties") for the sole purpose of establishing an allocation of costs for support services required to complete soil excavation and rough grading at the Turner Basins/Guasti Park Recharge Site (the "Site").

#### RECITALS

- A. The soil removal operation on the Site will involve excavation of a new basin on the west side of Archibald Avenue and potential deepening of an existing basin on the east side of Archibald Avenue (the "Project"). It is anticipated that up to 175,000 cubic yards of dirt will be removed during the Project.
- B. The grading and excavation costs will be funded by the City of Ontario and the San Bernardino Associated Governments ("SANBAG") (collectively "Project Contractor") as part of the Milliken Avenue Grade Separation Project.
- C. The San Bernardino County Flood Control District ("SBCFCD") requires that California Environmental Quality Act ("CEQA") documentation be completed prior to issuance of a permit to excavate on the Site. The Parties anticipate that any mitigation requirements identified in the CEQA documentation will be incorporated into the conditions for SBCFCD's permit.
- D. The Parties enter into this Agreement to establish the administrative methodology for calculating cost-sharing for preparation of CEQA documentation, including preparation of an Initial Study and Mitigated Negative Declaration, and preparation of rough grading plans for the Project (collectively "Support Services").
- E. IEUA has obtained a proposal from Tom Dodson and Associates for the preparation of an Initial Study and Mitigated Negative Declaration, including supporting technical studies and required filing fees. The estimated cost is \$28,064. The cost estimate is attached hereto as Exhibit "A."
- F. In addition to the Initial Study and Mitigated Negative Declaration, a traffic study may be required in order to satisfy CEQA requirements. The Parties desire to provide for a \$15,000 contingency to cover the costs of a traffic study, if required.
- G. The Parties anticipate that the CEQA documentation for the Project will be adopted by the IEUA Board of Directors in April 2011.

- H. The estimated cost for preparation of grading plans is \$5,074, as set forth in Exhibit "B." IEUA plans to use internal staff to prepare the grading plans and to engage an outside survey firm to set control markers. A quotation from the proposed survey firm, Calvada, is attached as Exhibit "C."

## AGREEMENT

1. Maximum Allowable Costs. The Parties agree to pay their portion of the total Support Services costs, which shall not exceed \$55,360 ("Maximum Allowable Costs"). This amount includes the estimated cost of \$28,064 for preparation of CEQA documentation, \$5,074 for preparation of rough grading plans, \$15,000 contingency to cover a traffic study, if required, and up to \$7,222 (15% contingency) to cover any unanticipated project related expenditures. All contingency-related activities (traffic study and 15% contingency) will not be initiated without prior written concurrence by both IEUA and Watermaster.
2. Cost Allocation. The Parties agree to split evenly (50/50) all costs up to the Maximum Allowable Costs incurred for Support Services. The costs to be borne by each Party shall not exceed fifty percent of the Maximum Allowable Costs, or \$ 27,680, unless the Parties otherwise agree in writing.
3. Contribution by Project Contractor. The Parties agree to diligently pursue receipt of funds from the Project Contractor, to defray Support Services costs. However, if the Parties are unsuccessful in obtaining contribution from the Project Contractor, they agree to pay their portion of the Support Services costs up to the Maximum Allowable Costs.
4. Payment of Costs. IEUA shall pay all invoices received in connection with the Support Services. Within thirty business days of receipt of any invoice for costs incurred for Support Services, IEUA shall notify Watermaster, in writing, of the portion of costs to be paid by Watermaster pursuant to this Agreement. Within thirty business days of receipt of such notice, Watermaster shall reimburse IEUA for its portion of the costs incurred. Watermaster's total payments to IEUA for Support Services costs shall not exceed fifty percent of the Maximum Allowable Costs, or \$ 27,680.
5. Additional Construction Costs. Any additional construction tasks that are necessary to complete the proposed improvements on the Site, including, but not limited to, basin floor access roads, ripping and final grading, drainage chutes, diversion and flow control structures, staff gauges, SCADA, and landscaping ("Additional Construction Costs"), shall be budgeted and paid for by the Parties through their normal capital budget processes and will be coordinated with SBCFCD in a separate agreement among those three entities. The Parties further agree to pursue grant opportunities that have been identified in order to obtain supplemental funds to pay for Additional Construction Costs. The Parties will track costs incurred for additional construction costs and will, if possible, use these funds as a local match share for any grants received in the future.
6. Notice and Communication. Any notice under this Agreement shall be deemed sufficient if given by one Party to the other in writing and either delivered in person, transmitted by electronic mail or facsimile and acknowledgment of receipt is made by the

receiving party, or deposited in the United States mail in a sealed envelope, certified and with postage and postal charges prepaid, and addressed as follows:

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

If to IEUA: Inland Empire Utilities Agency  
Attention: Chris Berch  
PO Box 9020  
Chino Hills, CA 91709

**IN WITNESS WHEREOF**, the Parties have executed this Agreement effective as of the date set forth above.

CHINO BASIN WATERMASTER

By: \_\_\_\_\_  
Kenneth R. Manning  
Chief Executive Officer

INLAND EMPIRE UTILITIES AGENCY

By: \_\_\_\_\_  
Thomas A. Love  
General Manager

- Exhibit "A": Cost Estimate for Preparation of CEQA Documentation
- Exhibit "B": Overall Cost Estimate for Preparation of Grading Plan
- Exhibit "C": Calvada Cost Estimate for Surveying and Control Markers

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# CHINO BASIN WATERMASTER

## II. BUSINESS ITEM

### B. RFP FOR OUTSIDE AUDIT FIRM







# CHINO BASIN WATERMASTER

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

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**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** February 24, 2011  
**TO:** Watermaster Board Members  
**SUBJECT:** Request For Proposal (RFP) For Outside Audit Firm

### SUMMARY

**Issue** – Request For Proposal (RFP) For Outside Audit Firm.

**Recommendation** – Staff recommends a Request For Proposal (RFP) be issued to determine interest and related costs for an audit firm to perform the field work and issue an audit opinion upon the basic financial statements for Fiscal Year 2010-2011 and future years.

**Fiscal Impact** – The current audit firm charges approximately \$10,000 annually for audit services. The ongoing fiscal impact could be double or even higher than the current amount of \$10,000 depending upon the results of the RFP.

### BACKGROUND

Chino Basin Watermaster is required to have an annual audit every year. As part of the Chino Basin Watermaster Annual Report, several financial reports and statements are included. These reports and statements are the Independent Auditors' Report; Management's Discussion and Analysis; Statement of Net Assets; Statement of Revenues, Expenses and Changes in Net Assets; Statement of Cash Flows; Notes to the Basic Financial Statements; and Supplemental Information. The audit firm's responsibility is to express an opinion on the basic financial statements based upon their audit. The audit firm conducts their audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that the audit firm plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

**DISCUSSION**

From fiscal year end June 30, 1999 until June 30, 2005, the annual audit was performed by Conrad and Associates, located in Irvine, California. During 2005, Conrad and Associates was merged into the firm of Mayer Hoffman McCann. The Mayer Hoffman McCann office (located in Irvine, California) has performed the annual audit from June 30, 2006 through June 30, 2010. We have not had any problems or issues with our audit firm in the past twelve years since Conrad and Associates/Mayer Hoffman McCann was been performing the services. However, it is prudent on a routine basis to issue an RFP to ensure the quality and pricing of audit services remain competitive. In an effort to keep the costs relatively low, small and local audit firms will be considered as most desirable, while large national audit firms would be considered less desirable. Several factors will be taken into account when deciding upon an audit firm. Cost will not be the only deciding factor. When choosing an audit firm to conduct the audit, an organization should consider at least seven basic points: (1) the firm's qualifications and experience in doing audits for organizations similar to Chino Basin Watermaster; (2) the firm's overall and local reputation; (3) the firm's quality-control systems; (4) the firm's peer review statement; (5) any conflicts that may compromise the firm's independence; (6) the firm's resources to conduct the audit; and (7) the final product that the auditor will provide to Chino Basin Watermaster.

With regards to the RFP, the following schedule will be recommended:

Issue RFP for Audit Firms:	March 1, 2010
Closing Date for RFP Responses:	April 15, 2010
Award Audit Services Contract:	June 15, 2010
Begin Audit Field Work:	August 15, 2010
Issue FY 2010-2011 Financial Reports:	November 1, 2010

**Actions:**

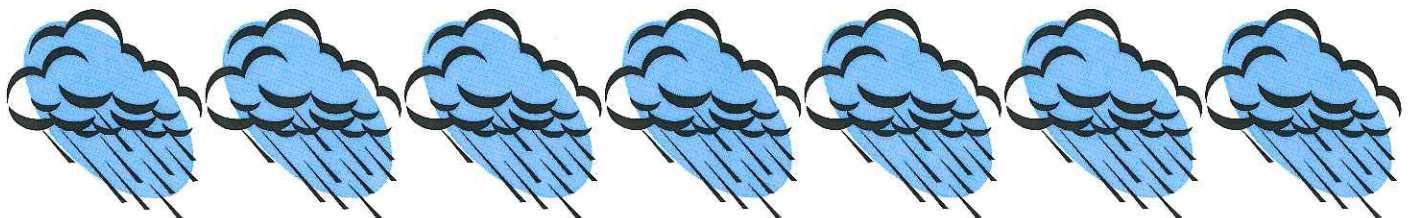
February 3, 2011 Appropriative Pool – Approved Unanimously  
 February 3, 2011 Non-Agricultural Pool – Moved to Approve Watermaster to Send out an RFP for Outside Audit Firm, subject to any changes which the Chair determines appropriate  
 February 10, 2011 Agricultural Pool – Approved Unanimously  
 February 17, 2011 Advisory Committee – Approved Unanimously  
 February 24, 2011 Watermaster Board –



# CHINO BASIN WATERMASTER

## II. BUSINESS ITEM

### C. WELL LOCATION OF WELLS I-19, I-20, AND I-21





# CHINO BASIN WATERMASTER

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

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**KENNETH R. MANNING**  
Chief Executive Officer

## STAFF REPORT

**DATE:** February 24, 2011  
**TO:** Watermaster Board Members  
**SUBJECT:** Chino Creek Well Field Locations for I-19, I-20, and I-21

### SUMMARY

**Issue** — The Chino Desalter Authority (CDA) has requested that Watermaster approve the locations of proposed Well I-19, Well I-20, and Well I-21 of the Chino Creek Well Field (CCWF). Watermaster's primary concerns for the CCWF are the achievement of hydraulic control and the potential for land subsidence and ground fissuring.

Watermaster's Engineer (Wildermuth Environmental, Inc.) has reviewed the well locations and has prepared (1) an opinion that these well locations, as proposed, are consistent with the Optimum Basin Management Program (OBMP) and the Peace II project description and (2) a provisional finding of no material physical injury (see attached letter report).

**Recommendation** — Approve the CDA's proposed locations of Well I-19, Well I-20, and Well I-21.

**Financial Impact** — None.

### BACKGROUND

There are two main objectives of the CCWF: (1) to develop a supply of raw groundwater for an expansion of the Chino Desalter facilities and (2) to achieve and maintain hydraulic control of groundwater outflow from the Chino Basin. Achievement and maintenance of hydraulic control is a requirement of the Basin Plan as updated in 2004 and the Peace II Agreement as approved by the Court in December 2007. Also of concern to Watermaster and the affected Parties is the potential for land subsidence and ground fissuring associated with pumping from and drawdown caused by the CCWF.

Wells I-19, I-20, and I-21 are three of six proposed production wells that will comprise the CCWF. Wildermuth Environmental, Inc. recently completed a groundwater modeling study of the Peace II project description with updated well locations for the CCWF and pumping rates for all the Chino Desalter wells (see attached letter report). In this study, the CCWF wells were simulated to be screened exclusively across the shallow aquifer system which, in this region, is approximately 30-200 feet below ground

surface (ft-bgs). The study demonstrated that this design and configuration of the CCWF was capable of (1) achieving and maintaining hydraulic control and (2) not causing excessive drawdown in the deeper confined aquifers that could lead to high rates and magnitudes of land subsidence. If the CCWF wells are screened across the shallow aquifer system only, as the CDA has indicated, then the potential for material physical injury associated with not achieving hydraulic control or with pumping-induced land subsidence and ground fissuring is minimal.

This opinion of no material physical injury is preliminary. New information on the aquifer system and well performance will be derived as the CCWF is constructed and tested. Watermaster will perform additional analyses and provide a final opinion on material physical injury after the CCWF is installed and a final operation plan is developed by the CDA.

**Actions:**

February 3, 2011 Appropriative Pool – Approved Watermaster Staff Recommendation Unanimously  
February 3, 2011 Non-Agricultural Pool – Moved to approve Chino Creek Well Field Locations for I-19, I-20, and I-21, subject to any changes which the Chair determines appropriate  
February 10, 2011 Agricultural Pool – Approved Watermaster Staff Recommendation Unanimously  
February 17, 2011 Advisory Committee – Approved Watermaster Staff Recommendation Unanimously  
February 24, 2011 Watermaster Board –



January 31, 2011

Chino Basin Watermaster  
Attention: Ken Manning  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730

**Re: Final Locations of the Chino Creek Well Field**

Dear Mr. Manning,

As you are aware, the proposed Chino Creek Well Field (CCWF) is comprised of six wells located in the southwestern portion of the Chino Basin (see Figure 1). These wells will be owned and operated by the Chino Desalter Authority (CDA). The primary objective of CCWF is to pump raw groundwater to supply an expansion of the CDA's Chino Desalter facilities. Secondary objectives of the CCWF are to satisfy certain requirements and orders of the Regional Board, which include (1) achieve and maintain "Hydraulic Control" of groundwater outflow from the Chino-North management zone and (2) capture and treat the Chino Airport groundwater contaminant plume.

Hydraulic Control is a requirement of the Regional Board's current Basin Plan (CRWQCB, 2008). Hydraulic Control is achieved when groundwater discharge from the Chino-North management zone to the Prado Basin management zone is eliminated or reduced to *de minimis* levels. Currently, groundwater-elevation data indicate Hydraulic Control is not being achieved in the vicinity of the CCWF (see Figure 1 where groundwater is flowing south past the proposed CCWF and into Prado Basin). Pumping from the CCWF is meant to lower groundwater elevations in this area to the point where this groundwater discharge to Prado Basin is eliminated or reduced to *de minimis* levels and Hydraulic Control is achieved.

Remediation of TCE contamination in groundwater in the vicinity of the CCWF (also shown in Figure 1) is a Regional Board requirement derived from a Cleanup and Abatement Order issued in 1990 to the County of San Bernardino, Department of Airports, Chino Airport (CRWQCB, Order 90-134). There are ongoing negotiations between the CDA, the County of San Bernardino, and the Regional Board with the potential outcome that the CCWF will be the means to remediate the TCE contamination associated with the Chino Airport.

**Computer-Simulation Modeling of Peace II and the Chino Creek Well Field**

Chino Basin Watermaster (Watermaster) owns and maintains a predictive computer-simulation model that is capable of simulating groundwater flow and groundwater quality under certain management programs that are being implemented in the Chino Basin. This model is described in the *2007 CBWM Groundwater Model Documentation and Evaluation of the Peace II Project Description* (WEI, 2007). The Peace II Project Description (Peace II) is a basin-wide

management program that includes regional recharge and pumping plans. A key element of Peace II is the construction and operation of the CCWF. The most recent predictive model results for the Peace II alternative were published in the *2009 Production Optimization and Evaluation of the Peace II Project Description* (WEI, 2009).

The locations of the six CCWF wells have been finalized and have been (or are in the process of being) secured and/or purchased. Figure 1 shows that the final well locations are somewhat different than the locations assumed in the Peace II modeling effort (WEI, 2009). The CDA has requested that Watermaster re-simulate Peace II with the final CCWF well locations to ensure that objectives of the CCWF will still be satisfied—specifically, that hydraulic control is achieved and the Chino Airport plume is captured. This letter report documents the results and conclusions of the re-simulation of the Peace II alternative with the final CCWF well locations.

### **Modeling Assumptions and Results**

The model simulation ran from 2006 to 2030. The CCWF wells were assumed to pump only from Layer 1 of the model (*i.e.* the shallow, unconfined aquifer system). Actual pumping data for all wells in the Chino Basin was used in the modeling for 2006-2009. Projected pumping estimates for all other wells (except the CCWF and the existing Chino Desalter wells) are as reported in Appendix A of WEI, 2009. Projected pumping estimates for the CCWF and the existing Chino Desalter wells are shown in Table 1 [Note: these projected pumping rates were reviewed and approved by representatives of the Chino Desalter Authority (Tim Mim Mack, pers. comm. 2010)]. Pumping at the CCWF is assumed to begin in 2014.

The model results indicate that by 2020, pumping from the Chino Desalter well field will lower groundwater levels to the point where groundwater discharge from Chino-North to Prado Basin is virtually eliminated. Figure 2 shows the model-predicted groundwater elevations and flow directions in 2020 for the shallow aquifer system (the model's Layer 1). Note, in particular, the reversal of hydraulic gradient in the vicinity of the CCWF (*i.e.* northward flow direction). These groundwater elevations would be a measurable demonstration of Hydraulic Control.

The model results also indicate that pumping of the Chino Desalter wells, including the CCWF, will significantly reduce the extent and concentration of TCE in groundwater that was associated with the Chino Airport. Figure 3 shows that by 2030, TCE concentrations have been reduced to less than 5 ug/L everywhere, and that virtually all of the contaminant plume will be captured by the CCWF wells. [Note: These model results assume there are no active sources of TCE at or beneath the Chino Airport. If such sources exist, the estimated length of time required for pump-and-treat mitigation would be longer than is currently indicated by these model results.]

### **Preliminary Opinion on Material Physical Injury**

Watermaster's primary concerns for material physical injury associated with the CCWF are the inability to achieve and maintain Hydraulic Control and the potential for land subsidence and ground fissuring. The results of this modeling effort have demonstrated that the proposed configuration and operation of the CCWF is capable of achieving and maintaining Hydraulic Control. In addition, because the CCWF wells are proposed to be screened across the shallow

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aquifer system only, Watermaster does not anticipate that CCWF operation will cause excessive drawdown in the deeper confined aquifers that could lead to significant land subsidence. For these reasons, Watermaster can offer a preliminary opinion of no material physical injury for the proposed location and operation of the CCWF.


#### **Limitations and Recommendations**

The opinion of no material physical injury is preliminary because of uncertainties associated with the aquifer system, and how those uncertainties may impact well performance and drawdown within the shallow aquifer system.

The accuracy of the model results presented herein is dependent on how accurately the model reflects the geometry and hydraulic properties of the aquifer system. When the model was constructed and calibrated in 2007, there was not much information on the shallow aquifer system in the vicinity of the CCWF (*e.g.* borehole data, water-level data, pumping test results, *etc.*). As the wells of the CCWF are drilled, constructed, and tested, more will be known about the geometry and hydraulic properties of the aquifer system. In fact, Wells I-16 and I-18 have been drilled and are currently being constructed. The data that have been derived from these early efforts indicate that the shallow aquifer system is thinner and less permeable than is assumed in the model. The new information should be used to revise the model. Subsequently, the model could be used to develop important guidance criteria, such as: how the CCWF should be operated to achieve and maintain Hydraulic Control; or if Hydraulic Control can not be achieved by the CCWF, where new wells should be located to achieve Hydraulic Control. The model could also be used to estimate the rate of groundwater discharge into Prado Basin under various scenarios of CCWF operation, which would be important information to the Regional Board in its determination of what constitutes *de minimis* discharge of groundwater from the Chino-North into the Prado Basin management zone.

Since new information on the aquifer system and well performance will be derived as the CCWF is constructed and tested, Watermaster should perform the additional analyses as described above, and provide a final opinion on material physical injury after the CCWF is installed and a final operation plan is developed by the CDA.

Sincerely,



Andrew E. Malone, PG  
Wildermuth Environmental, Inc.



## References

California Regional Water Quality Control Board, Santa Ana Region. (1990). *Cleanup and Abatement Order No. 90-134 for County of San Bernardino, Department of Airports. Chino Airport.*

California Regional Water Quality Control Board, Santa Ana Region. (2008). *Water Quality Control Plan Santa Ana River Basin (Region 8) 1995. Updated February 2008.*

Wildermuth Environmental, Inc. (2007). *2007 CBWM Groundwater Model Documentation and Evaluation of the Peace II Project Description.* Prepared for the Chino Basin Watermaster.

Wildermuth Environmental, Inc. (2009). *2009 Production Optimization and Evaluation of the Peace II Project Description.* Prepared for the Chino Basin Watermaster.

**Table 1**  
**Assumptions Used in Computer-Simulation Modeling**  
**of the Chino Desalter Well Fields**

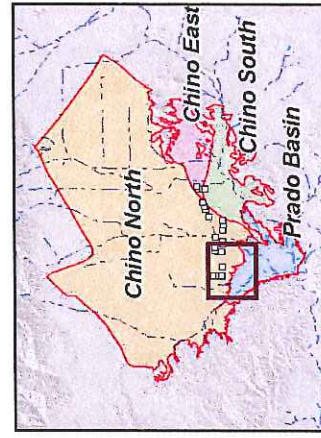
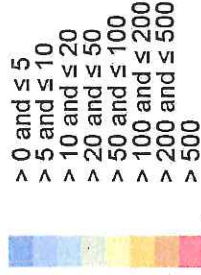
Well	Operational Assumptions		Model-Assumed Pumping Rates		
	Current Capacity	Operating Factor	gpm	acre-ft/yr	acre-ft/quarter
	<i>gpm</i>	<i>% Used</i>			
CDA I-1	407	95%	387	624	156
CDA I-2	225	95%	214	345	86
CDA I-3	670	95%	637	1,027	257
CDA I-4	240	95%	228	368	92
CDA I-5	1,241	70%	872	1,406	352
CDA I-6	358	70%	252	406	101
CDA I-7	226	70%	159	256	64
CDA I-8	975	70%	685	1,105	276
CDA I-9	1,149	70%	807	1,302	325
CDA I-10	1,197	70%	841	1,356	339
CDA I-11	818	70%	575	927	232
CDA I-13	1,800	70%	1,265	2,040	510
CDA I-14	2,200	70%	1,546	2,493	623
CDA I-15	2,468	70%	1,734	2,797	699
CDA I-16	330	70%	232	374	93
CDA I-17	910	70%	639	1,031	258
CDA I-18	1,200	70%	843	1,360	340
CDA I-19	1,250	70%	878	1,416	354
CDA I-20	1,250	70%	878	1,416	354
CDA I-21	1,260	70%	885	1,428	357
CDA II-1	2,062	70%	1,449	2,337	584
CDA II-2	1,902	70%	1,336	2,155	539
CDA II-3	2,021	70%	1,420	2,290	573
CDA II-4	1,963	70%	1,379	2,224	556
CDA II-6	1,923	70%	1,351	2,179	545
CDA II-7	1,419	70%	997	1,608	402
CDA II-8	1,518	70%	1,066	1,720	430
CDA II-9A	1,775	70%	1,247	2,011	503
<b>Totals</b>	<b>34,757</b>	<b>71%</b>	<b>24,800</b>	<b>40,000</b>	<b>10,000</b>

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-  Existing Chino Desalter Well
-  Proposed Production Wells of the Chino Creek Well Field
-  Chino Creek Well Field as modeled by Wildermuth Environmental [2009]
-  Streams, Rivers, and Channels
-  Management Zone Boundaries
-  Groundwater Elevation Contours for Spring-2007 (feet above mean sea-level)

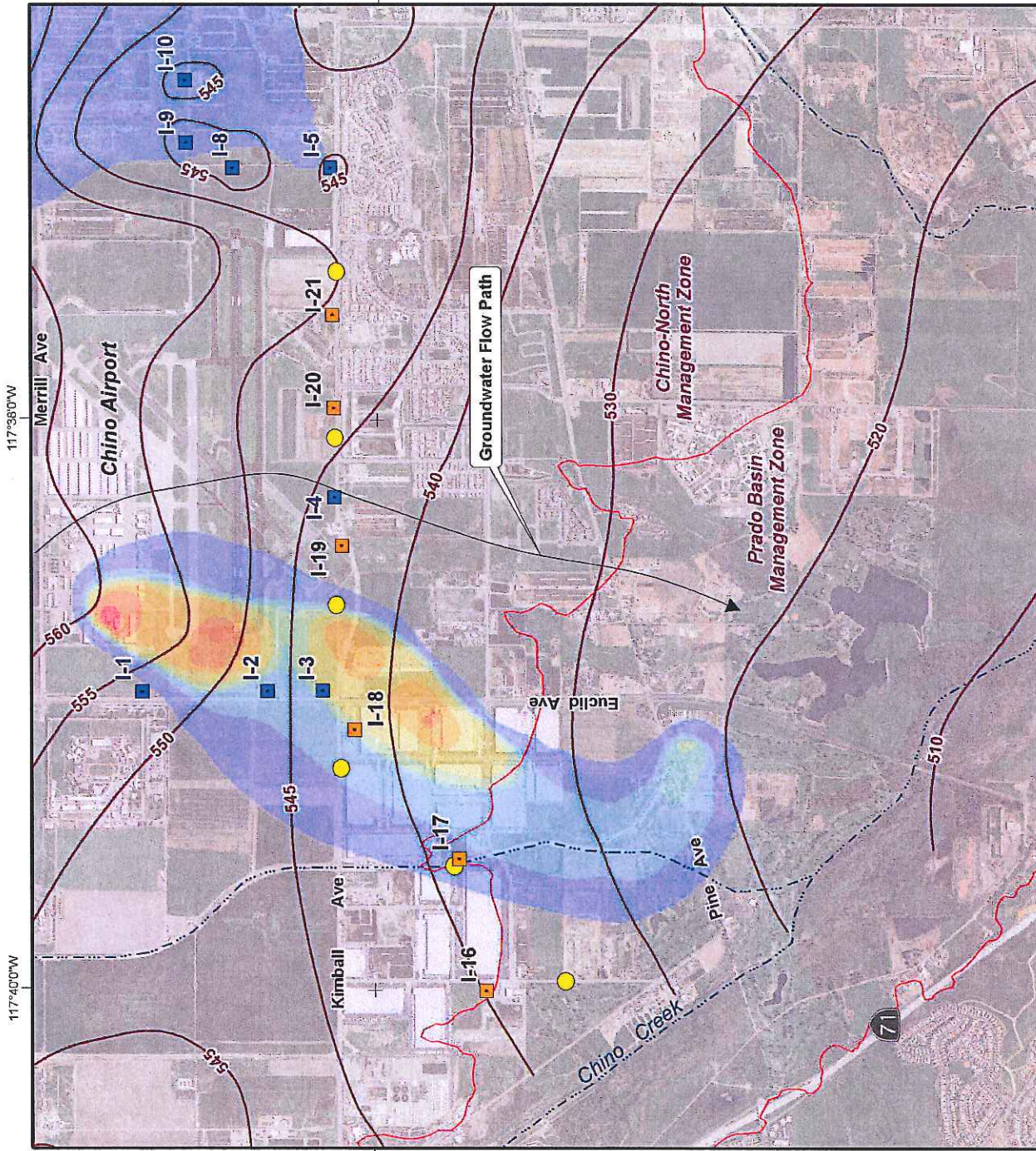
TCE Concentration in Groundwater as Estimated from Measured Values at Wells in 2007

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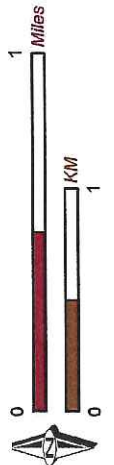


The Chino Creek Well Field, Groundwater Elevation and TCE Concentration in 2007

Figure 1



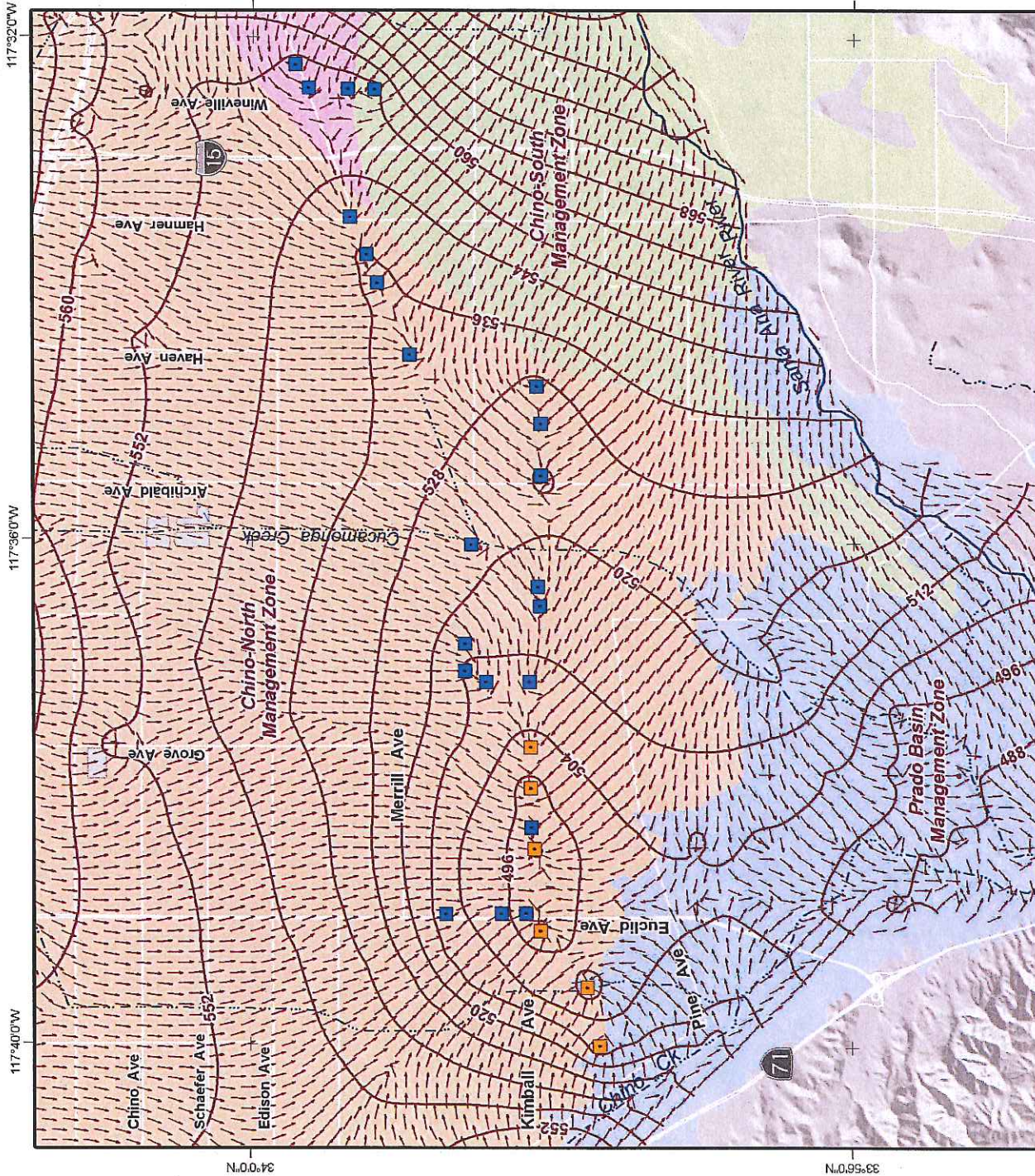
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




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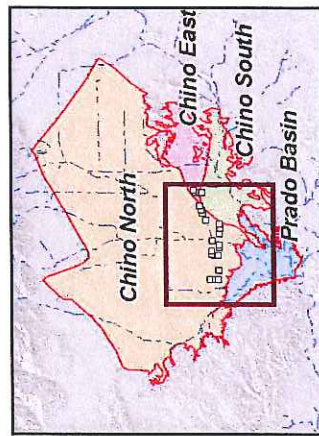
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-  Existing Chino Desalter Well
-  Proposed Production Wells of the Chino Creek Well Field
-  Groundwater Elevation Contour (feet above mean sea-level)
-  Groundwater Flow Direction
-  Streams, Rivers, and Channels

These model results indicate that by 2020, the Chino Desalter well field will capture all groundwater originating in the Chino-North Management Zone, which would be the measurable demonstration of hydraulic control.

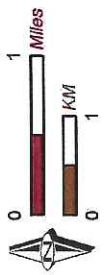


**Model-Projected Groundwater Elevation and Flow Direction**  
Layer 1 -- 2020

**Figure 2**



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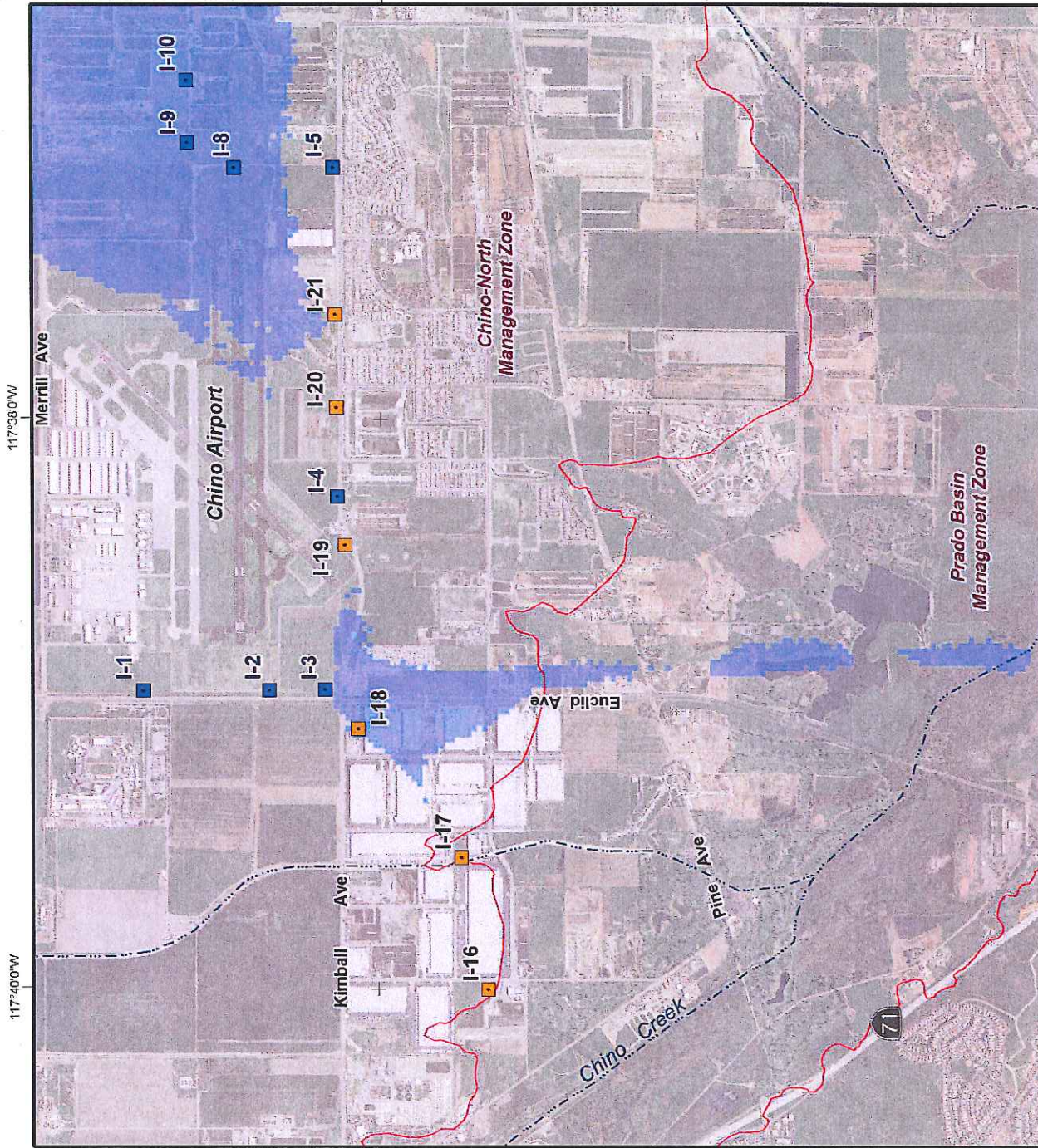
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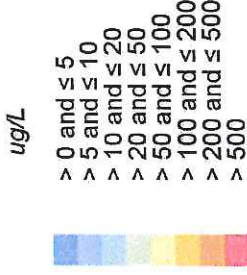
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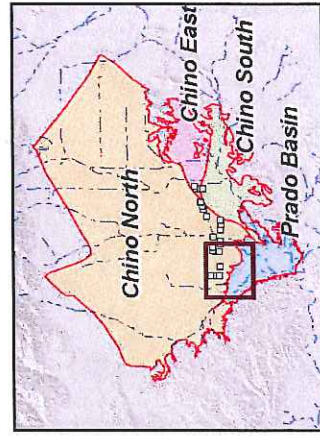


-  Existing Chino Desalter Well
-  Proposed Production Wells of the Chino Creek Well Field
-  Streams, Rivers, and Channels
-  Management Zone Boundaries

TCE Concentration in Groundwater as Estimated from Computer-Simulation Modeling (2030)



Note: These model results assume there are no active sources of TCE at or beneath the Chino Airport. If such sources exist, the length of time required for pump-and-treat mitigation would be longer than currently modeled.



The Chino Creek Well Field and TCE Concentration in Groundwater Estimated for 2030

Figure 3

117°38'0"W

117°40'0"W

Merrill Ave

Chino Airport

Chino-North Management Zone

Prado Basin Management Zone

Euclid Ave

Kimball Ave

Pine Ave

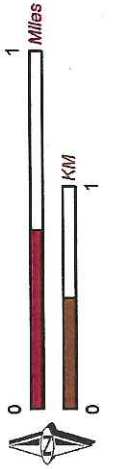
Chino Creek

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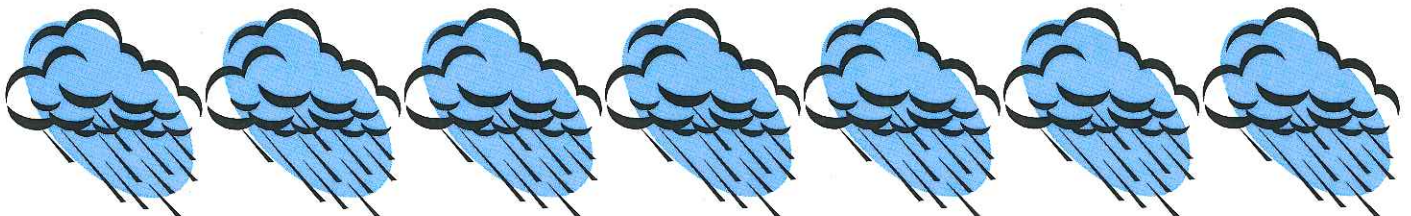


# CHINO BASIN WATERMASTER

## III. REPORTS / UPDATES

### B. ENGINEERING REPORT

3. Watermaster Staff Approval of Chino Creek Well Field Well I-18 Design





**WILDERMUTH™**  
ENVIRONMENTAL INC.

January 31, 2011

Chino Basin Watermaster  
Attention: Ken Manning  
9641 San Bernardino Road  
Rancho Cucamonga, CA 91730

**Re: Recommended Design for Well I-18 and Consistency with the OBMP/Peace II**

Ken,

The production wells for the Chino Creek Well Field (CCWF) are now being drilled and constructed under the direction of Geoscience Support Services, Inc. (GSS) — the hydrogeology consultant for the Chino Desalter Authority (CDA). Well I-18 is the second of the CCWF wells to be constructed. GSS has documented the borehole/testing data and has recommended a well design (see attached letter). The key information from this letter is summarized below:

Well I-18	
Borehole depth	455 ft-bgs
Depth to groundwater	~40 ft-bgs
Proposed screened interval	100-176, 196-312 ft-bgs
Proposed filter-pack interval	77-352 ft-bgs
TDS	640-700 mg/L
Nitrate (as nitrate)	150-160 mg/L

I have met with Russell Kyle of GSS and Jack Safely of Western Municipal Water District to review the borehole/testing data and the proposed well design for Well I-18. Mr. Kyle and Mr. Safely (representing the CDA) are asking that Watermaster staff approve the proposed well design before well construction begins (specifically, the screened and filter-packed intervals). Not mentioned in the attached well design letter is an assurance from Mr. Safely that the deep well screens (196-312 ft-bgs) will be sealed off within the casing.

Per the OBMP and the Peace II Agreement, Watermaster's primary concerns for the CCWF are that (1) hydraulic control is achieved in this area and (2) the occurrence of pumping-induced land subsidence is minimized to tolerable levels. After review of the data and the well design letter, along with Mr. Safely's assurance stated above, it is our opinion that the CDA's recommended design for Well I-18 is consistent with objectives OBMP and the Peace II Agreement.

Sincerely,

Andrew E. Malone, PG  
Wildermuth Environmental, Inc.

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# GEOSCIENCE



January 21, 2011

Mr. Jack S. Safely  
Water Resources Manager  
Western Municipal Water District  
450 E. Alessandro Boulevard  
Riverside, CA 92508

**Re: Chino Desalter Authority Well I-18  
Recommended Casing, Screen, and Filter Pack Design**

Dear Jack:

This letter summarizes a casing, screen, and filter pack design for the Chino Basin Desalter Authority (CDA) Well I-18 located in the southern portion of the Chino I Desalter facility property at 6905 Kimball Avenue in the City of Chino, California. The well design specified herein is based on observation and classification of lithologic samples collected during pilot borehole drilling, geophysical borehole logs obtained from the pilot borehole, mechanical grading analysis of selected soil sample intervals, and the results of isolated aquifer zone testing.

The pilot borehole for I-18 was drilled to a total depth of 455 feet below ground surface (ft bgs). The formation materials consists of interbedded sand, silt, and clay to a depth of approximately 338 ft bgs, and predominantly of fine- to coarse grained sand and fine to coarse gravel from 338 to 455 ft bgs.

#### Isolated Aquifer Zone Testing

Isolated aquifer zone testing was conducted in the pilot borehole for I-18 during the period from December 20, 2010 to January 7, 2011. The discharge rate and general geochemical parameters measured during testing of the zones are presented in Table 1.

GEOSCIENCE SUPPORT SERVICES INCORPORATED

*Ground Water Resources Development*

P.O. Box 220, Claremont, CA 91711

T: 909-451-6650

F: 909-451-6638

**P61**

**Table 1. Aquifer Zone Testing Results for CDA Well I-18**  
**Discharge and Geochemical Parameters Measured at the Time of Sample Collection**

Zone No.	Depth of Zone [ft bgs]	Static Water Level [ft bgs]	Pumping Water Level [ft bgs]	Average Discharge Rate [gpm]	Field pH [units]	Field TDS [mg/L]	Field Water Temp. [°C]
1*	293-313	-	-	-	-	-	-
2	222-242	105	179	53	8.2	503	21.4
3	108-128	40	74	47	7.4	640	22.1

\* Zone 1 could not be completed due to low yield and an inability to maintain an adequate seal.

Summary of Isolated Aquifer Zone Testing and Ground Water Quality

The depth to static ground water level measured in Zone 2 was 105 ft bgs, considerably deeper than the water level measured in Zone 3 (i.e., 40 ft bgs). This suggests that Zones 2 and 3 were likely completed within separate aquifer systems. Average discharge rates ranged from approximately 47 to 53 gallons per minute (gpm) with pumping water levels measured towards the end of pumping ranging from 74 to 179 ft bgs.

Table 2 summarizes isolated aquifer zone test water quality results for selected constituents as reported by Clinical Laboratory of San Bernardino, Inc., of Grand Terrace, California. The total dissolved solids (TDS) concentrations for Zones 2 and 3 were reported to be 700 and 640 milligrams per liter (mg/L), respectively, above the 500 mg/L recommended lower limit of the California Department of Public Health (CDPH) secondary maximum contaminant level (MCL). Nitrate concentrations in Zones 2 and 3 were reported at concentrations of 150 and 160 mg/L as nitrate, above the CDPH primary MCL of 45 mg/L as nitrate. Several volatile organic compounds (VOC's) were detected in both Zones 2 and 3. 1,2,3-Trichloropropane was detected in Zones 2 and 3 at concentrations of 4.7 and 9.1 micrograms per liter (µg/L), respectively, above the 0.005 µg/L CDPH notification level for unregulated chemicals. 1,1-Dichloroethylene (1,1-DCE) was detected in Zone 3 at a concentration of 15 µg/L, above the CDPH primary MCL of 6 µg/L. cis-1,2-Dichloroethylene (c-1,2-DCE) was detected in Zone 3 at a concentration of 24 µg/L, above the CDPH primary MCL of 6 µg/L. 1,2-Dichloroethane (1,2-DCA) was detected in Zone 3 at a concentration of 1.2 µg/L, above the CDPH primary MCL of 0.5 µg/L. Trichloroethylene (TCE) was detected in Zones 2 and 3 at concentrations of 40 and 450 µg/L, respectively, above the CDPH primary MCL of 5 µg/L. Toluene was detected at low concentrations in both zones but is likely a contaminant associated with the zone testing process.



**Table 2. Aquifer Zone Testing Results for CDA Well I-18**  
**Summary of Water Quality Analytical Data**

Depth Interval	[ft bgs]	Zone 2	Zone 3	Drinking Water Standards
		222-242	108-128	-
Alkalinity (as CaCO <sub>3</sub> )	[mg/L]	94	240	NA <sup>6</sup>
Aluminum	[µg/L]	<50	<50	200 <sup>2</sup> / 1,000 <sup>1</sup>
Arsenic	[µg/L]	3.4	<2.0	10 <sup>1</sup>
Bicarbonate (as CaCO <sub>3</sub> )	[mg/L]	110	290	NA <sup>6</sup>
Boron	[µg/L]	280	<100	1,000 <sup>3</sup>
Calcium	[mg/L]	86	180	NA <sup>6</sup>
Carbonate (as CaCO <sub>3</sub> )	[mg/L]	<5.0	<5.0	NA <sup>6</sup>
Chloride	[mg/L]	150	100	250-500 <sup>2</sup>
Chromium, Hexavalent	[µg/L]	2.3	3.6	50 <sup>1,4</sup>
Chromium, Total	[µg/L]	<10	<10	50 <sup>1</sup>
Color	[Color Units]	<3.0	<3.0	15 <sup>2</sup>
Fluoride	[mg/L]	0.33	0.16	2.0 <sup>1</sup>
Iron	[µg/L]	<100	<100	300 <sup>2</sup>
Manganese	[µg/L]	<20	<20	50 <sup>2</sup>
Nitrate (as NO <sub>3</sub> <sup>-</sup> )	[mg/L]	<b>150</b>	<b>160</b>	45 <sup>1</sup>
Odor	[TON]	1	1	3 <sup>2</sup>
Perchlorate	[µg/L]	<1.0	<1.0	6.0 <sup>1</sup>
pH	[pH Units]	8.0	7.5	6.5-8.5 <sup>5</sup>
Sodium	[mg/L]	120	36	NA <sup>6</sup>
Sulfate (as SO <sub>4</sub> )	[mg/L]	93	160	250-500 <sup>2</sup>
Surfactants (MBAS)	[mg/L]	0.18	<0.10	0.5 <sup>2</sup>
Total Dissolved Solids, TDS	[mg/L]	<b>700</b>	<b>640</b>	500-1,000 <sup>2</sup>
Total Hardness	[mg/L]	220	600	NA <sup>6</sup>
Total Silica	[mg/L]	23	34	NA <sup>6</sup>
Turbidity	[NTU]	<0.1	0.1	5 <sup>2</sup>
Vanadium	[µg/L]	9.4	6.6	50 <sup>3</sup>
1, 2, 3-Trichloropropane	[µg/L]	<b>4.7</b>	<b>9.1</b>	0.005 <sup>3</sup>
Volatile Organic Compounds Except as Noted Below (EPA Method 524.2)	[µg/L]	ND	ND	Varies with Chemical <sup>1</sup>
Trichlorofluoromethane (FREON 11)	[µg/L]	<5.0	10	150 <sup>1</sup>
1,1-Dichloroethylene (1,1-DCE)	[µg/L]	1.0	15	6 <sup>1</sup>
trans-1,2-Dichloroethylene (t-1,2-DCE)	[µg/L]	0.74	3.4	10 <sup>1</sup>
1,1-Dichloroethane (1,1-DCA)	[µg/L]	<0.50	0.50	5 <sup>1</sup>
cis-1,2-Dichloroethylene (c-1,2-DCE)	[µg/L]	4.3	24	6 <sup>1</sup>
Chloroform	[µg/L]	9.5	20	80 <sup>1,7</sup>

Depth Interval	[ft bgs]	Zone 2	Zone 3	Drinking Water Standards
1,2-Dichloroethane (1,2-DCA)	[µg/L]	<0.50	1.2	0.5 <sup>1</sup>
Trichloroethylene (TCE)	[µg/L]	40	450	5 <sup>1</sup>
Tetrachloroethylene (PCE)	[µg/L]	<0.50	1.4	5 <sup>1</sup>
Toluene	[µg/L]	2.3	1.4	150 <sup>1</sup>
1,1,2-Trichloroethane (1,1,2-TCA)	[µg/L]	<0.50	1.8	5 <sup>1</sup>
Total Trihalomethanes (TTHM)	[µg/L]	9.5	20	80 <sup>1</sup>

- <sup>1</sup> California Department of Public Health (CDPH) primary maximum contaminant level (MCL).
- <sup>2</sup> CDPH secondary MCL.
- <sup>3</sup> CDPH notification level for unregulated chemicals.
- <sup>4</sup> Chromium-6 (hexavalent chromium) is regulated by CDPH under the 50 µg/L total chromium MCL.
- <sup>5</sup> United States Environmental Protection Agency (USEPA) secondary standard for pH.
- <sup>6</sup> Not Applicable – no current MCL.
- <sup>7</sup> Chloroform is regulated under the TTHM MCL of 80 µg/L.
- ND Not detected above laboratory detection limits.
- BOLD** Equal to or above current CDPH MCLs or notification levels.

Proposed Well Design

Based on our review of the water quality data, geophysical borehole logs, lithologic samples, and mechanical grading (i.e., sieve) analyses, the following casing and screen schedule is proposed:

**Table 3. Proposed Casing and Screen Schedule**  
**CDA Well I-18**

Interval	Borehole Diameter	Casing Diameter	Wall Thickness	Screen Slot Size	Material Type
[ft bgs]	[in.]	[in.]	[in.]	[in.]	
+0.5 - 52	48	36 OD	3/8	-	Conductor Casing (ASTM A139 Grade B Mild Steel)
+1 - 85 (2 ea.)	Annulus	3 in.	Sch. 40	-	Gravel Feed Tubes (ASTM A53 Grade B Mild Steel)
+1 - 98	Annulus	2 in.	Sch. 40	-	Sounding Tube* (ASTM A778 304L Stainless Steel)
0 - 75	32	-	-	-	Sand-Cement Seal
75 - 77	32	-	-	-	Fine Sand Layer
77 - 352	32(52-95) 28(95-352)	-	-	-	1/4 in. x 16 Custom Blend Filter Pack
+1 - 100	32(52-95) 28(95-352)	18 5/8 OD (18 ID)	5/16	-	Blank Casing (ASTM A778 304L Stainless Steel)
100 - 176	28	18 5/8 OD (18 ID)	5/16	3/32 (0.094)	Ful-Flo Louvered Screen (ASTM A778 304L Stainless Steel)
176 - 196	28	18 5/8 OD (18 ID)	5/16	-	Blank Casing (ASTM A778 304L Stainless Steel)



Interval [ft bgs]	Borehole Diameter [in.]	Casing Diameter [in.]	Wall Thickness [in.]	Screen Slot Size [in.]	Material Type
196 - 312	28	18 5/8 OD (18 ID)	5/16	3/32 (0.094)	Ful-Flo Louvered Screen (ASTM A778 304L Stainless Steel)
312 - 332	28	18 5/8 OD (18 ID)	5/16	-	Blank Casing with End Plate (ASTM A778 304L Stainless Steel)
332 - 352	28	-	-	-	Gravel-Filled Borehole Below Casing and End Plate

The total recommended screen length is 192 ft and the total length of the blank casing is 141ft, for a total casing and screen length of 333 ft.  
 \* The 2 ft slot at the sounding tube connection is recommended be located from 96 to 98 ft bgs.

Figure 1 shows a diagram of the proposed casing and screen schedule for I-18 as well as associated borehole diameters and depths, and construction materials.

Reaming (Enlarging) Pilot Borehole and Caliper Log

The 17 1/2-inch diameter pilot borehole shall be enlarged to 32 inches in diameter from 52 ft bgs to a depth of 95 ft bgs and to 28 inches in diameter from 95 ft bgs to a depth of 352 ft bgs. The above design will allow for 20 ft of extra borehole in case a small amount of fill accumulates during the casing and screen installation. A caliper log shall be run in the reamed borehole no more than six hours prior to the start of installation of the casing and screen.

Installation of Sounding Tube and Gravel Feed Pipes

During casing and screen installation, a 2-inch diameter Schedule (Sch.) 40 304L stainless steel sounding tube will be installed from approximately 1 ft above ground surface, connecting to the 18-inch inside diameter (ID) blank casing at a depth of 96 to 98 ft bgs, terminating in a 3-inch by 3-inch by 2 ft long square box. The transition from the 18-inch ID casing to the sounding tube box connection shall be smooth, without rough edges or burrs. Two 3-inch diameter Sch. 40 mild steel gravel feed pipes shall be installed from approximately 1 ft above ground surface to a depth of 85 ft bgs. The surface orientation of the well appurtenances shall be as shown on Figure 2.

Filter Pack and Slot Size Selection

Mechanical grading analyses (i.e., sieve analyses) were performed on five formation samples from between 110 and 410 ft bgs. However, only those sieve samples that fall within the recommended screened interval are shown in Figure 3. Based on the results of the sieve analyses, the proposed filter pack is a ¼-in. x 16 Custom Blend as shown below in Table 4. The proposed slot size for the screened

interval is 3/32 (0.094) inches, which will theoretically allow approximately 17% of the filter pack material to pass (see Figure 3 and Table 5).

**Table 4. Proposed Filter Pack Design – ¼-in. x 16 Custom Blend  
 CDA Well I-18**

U.S. Standard Sieve No.	Sieve Opening [in.]	Sieve Opening [mm]	Cumulative Percent Passing
3/8"	0.375	9.53	100
1/4"	0.250	6.35	90
4	0.187	4.75	70
8	0.094	2.38	17
10	0.079	2.00	10
12	0.066	1.68	7
16	0.047	1.19	2
20	0.033	0.84	0.1

A sieve analysis test report from the filter pack supplier that represents the proposed filter pack gradation shall be submitted to GEOSCIENCE and shall be approved for use prior to delivery of any filter pack material to the site. Additionally, once the filter pack is delivered to the site, GEOSCIENCE personnel will sample and sieve a representative amount from each load to verify the gradation. All filter pack shall be delivered to the site in one cubic yard super sacks at least 24 hours prior to installation of the casing and screen.

Placement of Filter Pack and Cement Seal

The filter pack material shall be pumped through a tremie pipe from the bottom of the 28-inch and 32-inch diameter reamed borehole (at 352 ft bgs) to 77 ft bgs while adding one to two gallons of 12.5% liquid sodium hypochlorite per cubic yard of filter pack material, as per the technical specifications. No more than two pieces of tremie pipe (approximately 60 to 62 ft) shall be pulled at any one time during the gravel packing process. Once the filter pack has been placed to 77 ft bgs, a 2-ft layer of fine sand shall be placed above the filter pack from 75 to 77 ft bgs.

An annular seal, consisting of 10.3-sack sand-cement grout, shall be pumped through a tremie pipe and shall be placed from 75 ft bgs to the ground surface. The end of the tremie shall remain submerged in the cement slurry at all times during pumping of the cement. To verify the cement set up time, samples of the cement slurry will be collected from each truckload as it is being pumped. The samples will be placed in a bucket of water (that is placed out of direct sunlight) or suspended in the circulation reservoir that is filled with water, in order to simulate down-hole conditions for monitoring the set-up

time. No further work should take place in the well for a minimum of 24 hours following completion of pumping the cement seal.

**Production Potential**

Based on geophysical borehole logs for Well I-18, the aquifer system was subdivided into two aquifer intervals that occur within the anticipated well screen interval, and for which each successful isolated aquifer zone test was considered generally representative. Estimates of the hydraulic conductivity for these aquifers were made based on pumping characteristics observed during isolated aquifer zone testing. In particular, specific capacity values (i.e., pumping rate per foot of drawdown) measured during pumping of Zones 2 and 3, in addition to assumptions regarding aquifer storativity and the well efficiency of each zone test, were utilized to estimate the aquifer transmissivity of each zone test interval. That aquifer transmissivity was divided by the thickness of permeable material within each isolated aquifer zone to estimate representative hydraulic conductivity for each of the aquifer intervals.

A range of estimated production rates were calculated for Well I-18 utilizing the Thiem Equation for steady-state radial ground water flow. The following table summarizes the estimated production rates from each aquifer, and the total estimated production from the completed well:

**Table 6. Estimated Well Production  
 CDA Well I-18**

Aquifer Number	Aquifer Depth Interval [ft bgs]	Thickness of Permeable Materials <sup>1</sup> [ft]	Hydraulic Conductivity <sup>2</sup> [gpd/ft <sup>2</sup> ]	Aquifer Flow Contribution Assuming Drawdown of 45 ft <sup>3</sup> [gpm]
1	101-163	29	300	173
2	203-312	59	200	235
<b>Estimated Well Production Assuming Drawdown of 45 ft:</b>				<b>408</b>

1 Interpreted from geophysical and lithologic borehole logs. Fine materials (i.e., silt and clay) were not included.

2 Calculated utilizing the Theis equation, pumping characteristics observed during isolated aquifer zone testing, and the following assumptions:  
 Storativity of Aquifer 1 (101-163 ft bgs), S = 0.1 (unconfined aquifer)  
 Storativity of Aquifer 2 (203-312 ft bgs), S = 0.001 (confined aquifer)  
 Effective Well Radius,  $r_e = 1$  ft  
 Time,  $t = 1$  day  
 Zone efficiency,  $E = 50\%$

3 Calculated utilizing the Thiem equation for steady-state radial ground water flow and the following assumptions:  
 Cone of Depression Radial Distance,  $r_0 = 1,000$  ft  
 Effective Well Radius,  $r_e = 1$  ft  
 Well efficiency,  $E = 70\%$



Based on the above calculations and assumptions, the production rate for CDA Well I-18, as designed herein, is estimated to be approximately 400 gpm. It should be noted that various assumptions were made to prepare these estimates and that actual production rates may differ.

If you have any questions, please do not hesitate to contact me at your convenience.

Sincerely,

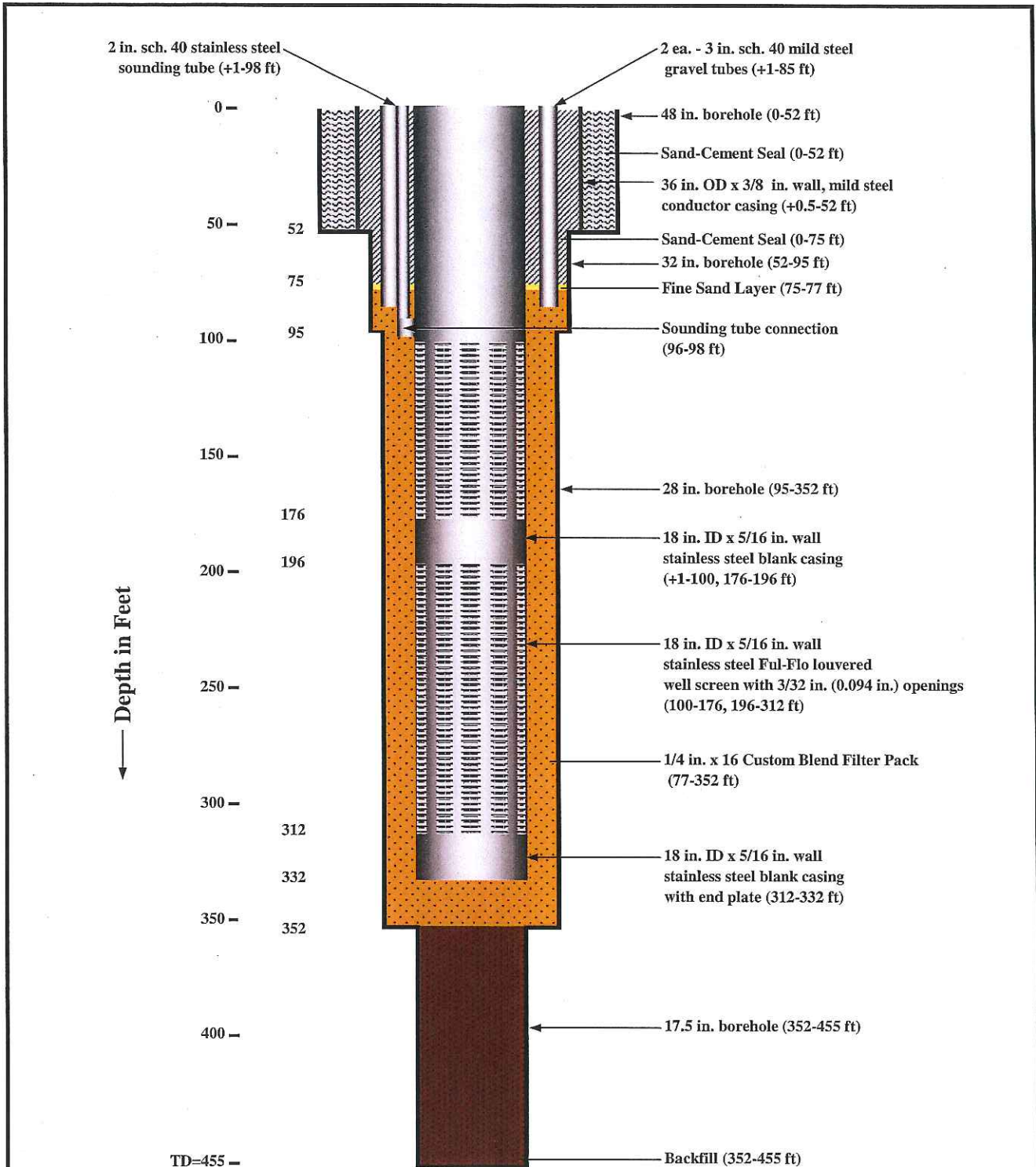


Russell Kyle, PG, CHG  
Senior Geohydrologist  
Encl.



Dennis E. Williams, Ph.D., PG, CHG  
President

cc. Daynan Rigg - R.W. Beck  
Curtis McCalla - South West Pump & Drilling  
Brian Jeffers - South West Pump & Drilling



21-Jan-11

NOT TO SCALE

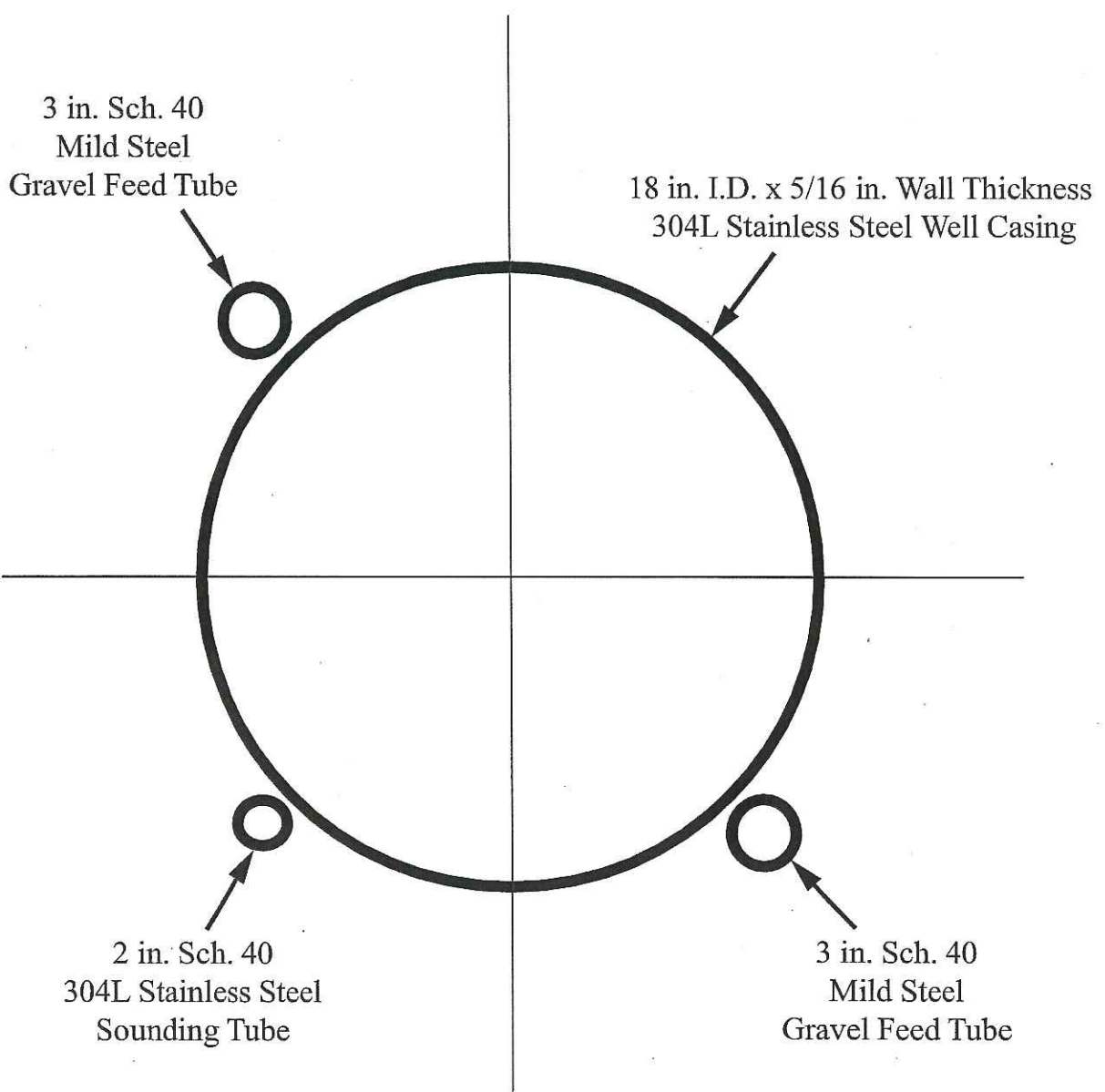
**GEOSCIENCE**

GEOSCIENCE Support Services, Inc.  
 P.O. Box 220, Claremont, CA 91711  
 Tel: (909) 451-6650 Fax: (909) 451-6838  
 www.gswater.com

WESTERN MUNICIPAL WATER DISTRICT

WELL DESIGN DIAGRAM  
 CDA WELL I-18

Figure  
 1



  
NORTH  
Not To Scale

**GEOSCIENCE**

GEOSCIENCE Support Services, Inc.  
P.O. Box 220, Claremont, CA 91711  
Tel: (909) 451-6650 Fax: (909) 451-6638  
www.gsswater.com

Drawn: RJK

Checked:

Approved:

Date: 21-Jan-11

WESTERN MUNICIPAL WATER DISTRICT

WELL APPURTENANCE ORIENTATION  
CDA WELL I-18

Figure  
2

Mechanical Grading Analysis  
Western Municipal Water District CDA Well I-18

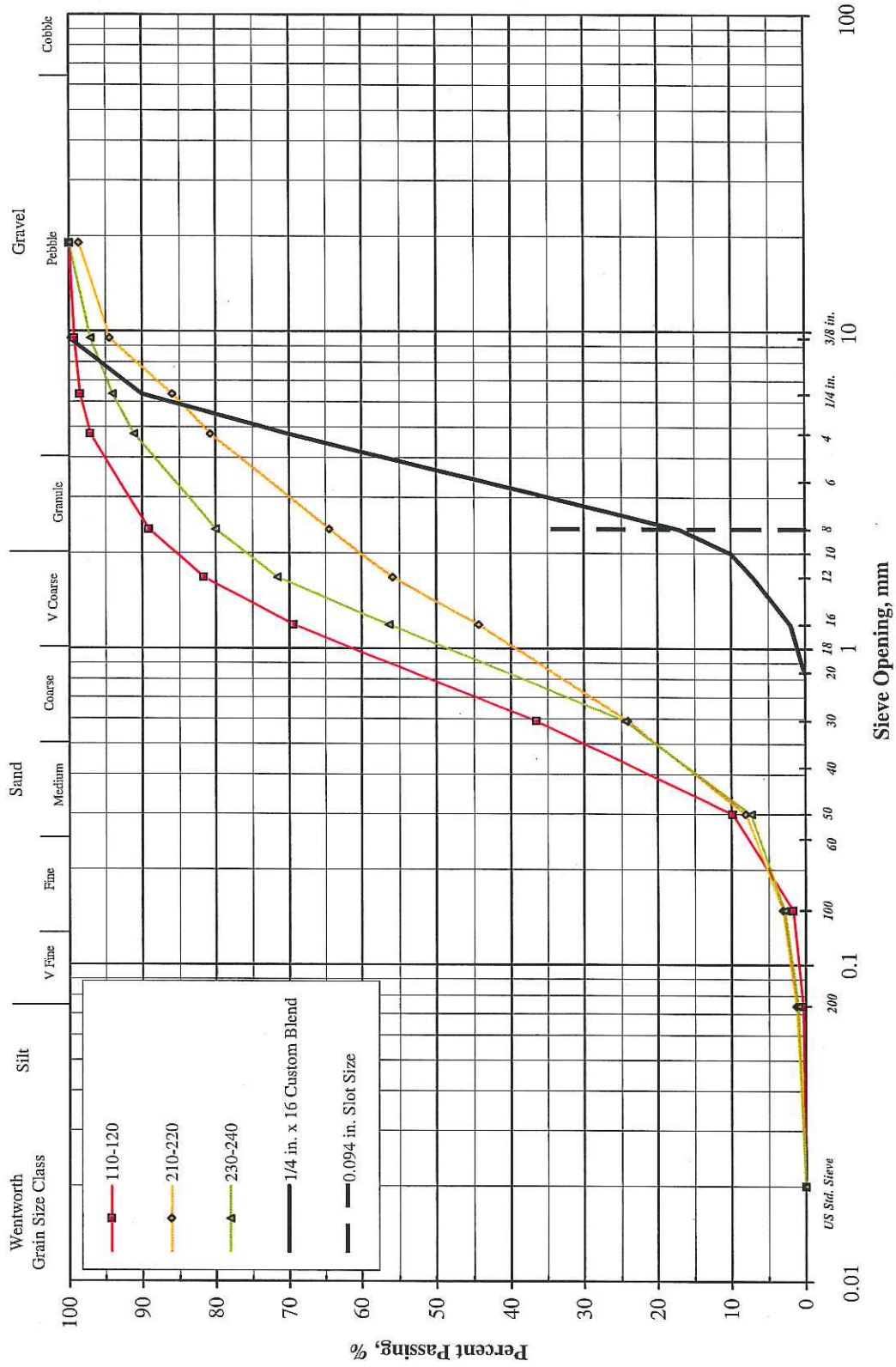


Figure 3

Well Design Parameters and Recommended Filter Pack  
Western Municipal Water District  
CDA Well I-18

Design Criteria	Depth [ft]	Formula (D = Filter Pack) (d = Aquifer)	Value	Recommended Value
Pack/Aquifer Ratio (Finest Zone)	110-120	$D_{50}/d_{50}$	4.6	4 to 20
Terzaghi Migration Factor (Finest Zone)	110-120	$D_{15}/d_{85}$	1.1	less than 4
Terzaghi Permeability Factor (Coarsest Zone)	230-240	$D_{15}/d_{15}$	5.3	greater than 4
Screen Slot [in.]	-	-	0.094	-
Percent Filter Pack Passing Screen Slot	-	-	17.0	15% to 25%
Uniformity Coefficient of Filter Pack	-	$C_u = D_{60}/D_{10}$	2.2	-
Sorting Factor	-	$S_f = C_{uf}/C_{ua} = (D_{60}/D_{10}) / (d_{60}/d_{10})$	0.57	-

1/4 in. x 16 Custom Blend

U.S. Standard Sieve Size	Opening [in.]	Opening [mm]	Cumulative % Retained	Cumulative % Passing
3/8"	0.375	9.53	0.0	100.0
1/4"	0.250	6.35	10.0	90.0
4	0.187	4.75	30.0	70.0
8	0.094	2.38	83.0	17.0
10	0.079	2.00	90.0	10.0
12	0.066	1.68	93.0	7.0
16	0.047	1.19	98.0	2.0
20	0.033	0.84	99.9	0.1



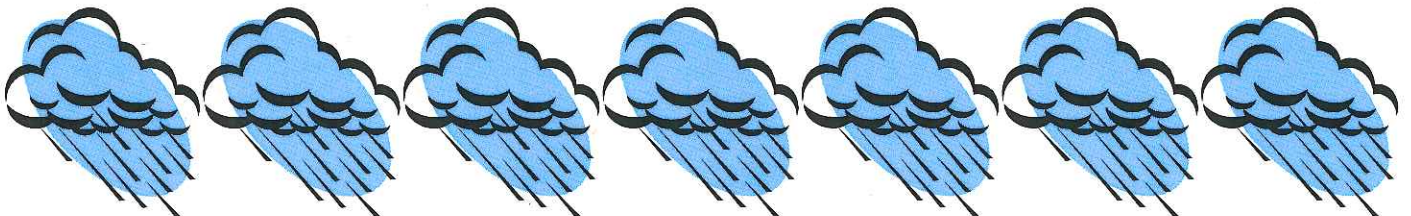


# CHINO BASIN WATERMASTER

## III. REPORTS / UPDATES

### C. FINANCIAL REPORT

1. Expected Cost of Completion Mid-Year





# 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:** February 24, 2011  
**TO:** Committee Members  
**SUBJECT:** Projected Expenses as of June 30, 2011 (6-month actual and 6-month projection) – Financial Report C-1

### SUMMARY

**Issue** – Projection of expenses of Watermaster for the Period of July 1, 2010 through June 30, 2011.

**Recommendation** – Staff does not recommend any budget fund transfers between accounts or special assessments at this time. Upon completion of the 3<sup>rd</sup> quarter expense projections, which will be presented in April, staff will recommend budget fund transfers between accounts and/or special assessments, as needed. Staff recommends Financial Report C-1 be received and filed as presented.

**Fiscal Impact** – Funds disbursed were included in the FY 2010-2011 Watermaster Budget.

### BACKGROUND

An Actual vs. Budget Report for the period July 1, 2010 through December 31, 2010 as well as the Projected vs. Budget for the period July 1, 2010 through June 30, 2011 is provided to keep all members apprised of the actual and projected total expenses for the current fiscal year. The expense section is categorized into four distinct sections. Those sections are: General and Administrative Expenses; Optimal Basin Management Program Expenses; Project Expenses; and Other Income/Expenses.

### DISCUSSION

The Actual vs. Budget report has been created from QuickBooks Enterprise Solutions 9.0, the Watermaster accounting system. The Actual vs. Budget report provided, balances to the supporting documentation in the Watermaster accounting system, as well as the supporting bank statements.

In preparing the projections for the fiscal year ending June 30, 2011, several assumptions were developed. Those assumptions are as follows:

### STAFFING:

1. The CEO is retiring effective March 1, 2011
2. Vacation, sick and comp balances due the CEO will be paid on March 1, 2011
3. No ongoing CEO salary or benefit costs for the months of March-May, 2011
4. Savings from CEO's position will fund search and consulting expenses for hiring new CEO
5. New CEO starts June 1, 2011
6. Additional expense of \$25K has been projected for staff related costs

GENERAL AND ADMINISTRATIVE:

1. Assume current levels of expenses for the first 6 months will continue into the next 6 months
2. Continue monitoring of G&A expenses
3. No additional purchases of office computers or upgrades of software until 2011-2012
4. Estimate overall savings in G&A of \$29K

OBMP AND LEGAL SERVICES:

1. Wildermuth projections of OBMP Engineering Services under the budgeted amount by \$33K
2. Continued similar cost patterns for legal services in remainder of fiscal year
3. Increased negotiations in the last half of the fiscal year regarding the Ontario Airport Plume will result in additional costs of \$80K
4. Increased negotiations in the last half of the fiscal year regarding the Chino Airport Plume will result in additional costs of \$35K
5. Desalter Negotiation expenses projected at actual as of December 31, 2010 plus an addition \$40K
6. Miscellaneous legal expenses for pools, advisory, board and others increase by \$40K
7. Regional Board Fine of \$62K was not part of the budget for the fiscal year and remains unfunded by a special assessment
8. Contingency of \$145K would be part of a budget transfer request in April 2011

	Second Quarter (50%) of Budget				100% Projected vs. Budget		
	Jul '10 - Dec 10	Budget	\$ Over Budget	% of Budget	Projected	Budget	\$ Over Budget
6900 • Optimum Basin Mgmt Plan							
6901 • WM Staff Salaries	96,142.03	103,310.00	-7,167.97	93.06%	192,284.00	206,620.00	-14,336.00
6903 • SARW Group	25,778.00	25,778.00	0.00	100.0%	25,778.00	25,778.00	0.00
6906 • OBMP Engineering Services	168,219.52	175,168.00	-6,948.48	96.03%	316,998.00	350,336.00	-33,338.00
6907 • OBMP Legal Fees							
6907.3 • WM Legal Counsel							
6907.30 • Peace II - CEQA	4,018.00	25,000.00	-20,982.00	16.07%	8,036.00	50,000.00	-41,964.00
6907.31 • Ontario Airport Plume	2,525.85	7,500.00	-4,974.15	33.68%	85,052.00	15,000.00	70,052.00
6907.32 • Chino Airport Plume	54,319.77	7,500.00	46,819.77	724.26%	108,640.00	15,000.00	93,640.00
6907.33 • Desalter Negotiations	146,720.25	0.00	146,720.25	100.0%	186,720.00	0.00	186,720.00
6907.34 • Santa Ana River Water Rights	10,595.47	12,500.00	-1,904.53	84.76%	21,190.00	25,000.00	-3,810.00
6907.35 • Paragraph 31 Motion	51,684.93	0.00	51,684.93	100.0%	103,370.00	0.00	103,370.00
6907.36 • Santa Ana River Critical Habitat	8,005.91	0.00	8,005.91	100.0%	16,012.00	0.00	16,012.00
6907.37 • Water Auction	1,183.50	20,000.00	-18,816.50	5.92%	2,368.00	40,000.00	-37,632.00
6907.38 • Reg. Water Quality Cntrl Board	3,591.00	7,500.00	-3,909.00	47.88%	7,182.00	15,000.00	-7,818.00
6907.39 • Recharge Master Plan	3,724.65	20,000.00	-16,275.35	18.62%	7,450.00	40,000.00	-32,550.00
6907.3 • WM Legal Counsel - Other	101,108.58	125,000.00	-23,891.42	80.89%	242,218.00	250,000.00	-7,782.00
Total 6907.3 • WM Legal Counsel	387,477.91	225,000.00	162,477.91	172.21%	788,238.00	450,000.00	338,238.00
6907.4 • WM Legal Counsel - Contingency	0.00	0.00	0.00	0.0%	145,000.00	145,000.00	0.00
Total 6907 • OBMP Legal Fees	387,477.91	225,000.00	162,477.91	172.21%	933,238.00	595,000.00	338,238.00
6909 • OBMP Other Expenses							
6909.1 • OBMP Meetings	1,420.80	0.00	1,420.80	100.0%	2,842.00	0.00	2,842.00
6909.4 • Printing	1,560.00	0.00	1,560.00	100.0%	3,120.00	0.00	3,120.00
6909.5 • Ad Hoc Litigation Committee	21.58	0.00	21.58	100.0%	1,505.00	0.00	1,505.00
6909 • OBMP Other Expenses - Other	64,525.00	10,000.00	54,525.00	645.25%	64,525.00	20,000.00	44,525.00
Total 6909 • OBMP Other Expenses	67,527.38	10,000.00	57,527.38	675.27%	71,992.00	20,000.00	51,992.00
Total 6900 • Optimum Basin Mgmt Plan	745,144.84	539,256.00	205,888.84	138.18%	1,540,290.00	1,197,734.00	342,556.00

PROJECT EXPENSES:

1. Wildermuth has provided their ECAC (Estimated Cost of Completion) Report as of June 30, 2011 which provides an estimated savings/reduction of approximately \$209K
2. Only the 7300 category is currently projected to be over budget by \$16K at fiscal year end
3. Continued monitoring of projects by Wildermuth and Watermaster staff for the remainder of the fiscal year

With the anticipated cost savings, and ongoing monitoring of expenses, the approved expense budget of \$6,894,823 will not require any additional special assessments at this time.

Expense	6/12th (50%) of the Total Budget				100% of the Total Budget			
	Year-To-Date as of December 31, 2010				Fiscal Year End as of June 30, 2011			
	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
6010 · Salary Costs	233,911.10	234,222.00	-310.90	99.87%	492,822.80	464,944.00	27,878.80	106.0%
6020 · Office Building Expense	48,756.60	50,598.00	-1,841.20	96.36%	97,514.00	101,196.00	-3,682.00	96.36%
6030 · Office Supplies & Equip.	11,017.85	15,250.00	-4,232.15	72.25%	25,036.00	30,500.00	-5,464.00	82.09%
6040 · Postage & Printing Costs	34,108.15	43,900.00	-9,791.85	77.7%	73,216.00	78,300.00	-5,084.00	93.51%
6050 · Information Services	75,952.98	76,100.00	-147.02	99.81%	137,636.00	142,200.00	-4,562.00	96.79%
6060 · Contract Services	23,130.00	52,000.00	-28,870.00	44.48%	71,260.00	75,000.00	-3,740.00	95.01%
6080 · Insurance	15,863.00	17,575.00	-1,712.00	90.26%	17,363.00	17,575.00	-212.00	98.79%
6110 · Dues and Subscriptions	12,166.13	22,750.00	-10,583.87	53.48%	30,000.00	30,000.00	0.00	100.0%
6140 · WM Admin Expenses	515.41	1,500.00	-984.59	34.36%	1,030.00	3,000.00	-1,970.00	34.33%
6150 · Field Supplies	-15.66	900.00	-915.66	-1.74%	900.00	1,800.00	-900.00	50.0%
6170 · Travel & Transportation	13,836.19	16,580.00	-2,743.81	83.45%	29,172.00	33,160.00	-3,988.00	87.97%
6190 · Conferences & Seminars	12,139.14	16,500.00	-4,360.86	73.57%	21,639.00	23,000.00	-1,361.00	94.08%
6200 · Advisory Comm - WM Board	8,720.26	11,235.00	-2,514.74	77.62%	17,440.00	22,470.00	-5,030.00	77.62%
6300 · Watermaster Board Expenses	23,844.71	25,301.50	-1,456.79	94.24%	50,190.00	50,603.00	-413.00	99.18%
8300 · Appr PI-WM & Pool Admin	31,355.72	42,143.00	-10,787.28	74.4%	74,712.00	90,043.00	-15,331.00	82.97%
8400 · Agri Pool-WM & Pool Admin	15,508.02	14,073.50	1,434.52	110.19%	31,016.00	28,147.00	2,869.00	110.19%
8467 · Ag Legal & Technical Services	74,090.00	59,000.00	15,090.00	125.58%	148,180.00	118,000.00	30,180.00	125.58%
8470 · Ag Meeting Attend -Special	6,375.00	6,000.00	375.00	106.25%	12,750.00	12,000.00	750.00	106.25%
8471 · Ag Pool Expense	0.00	32,500.00	-32,500.00	0.0%	30,000.00	65,000.00	-35,000.00	46.15%
8500 · Non-Ag PI-WM & Pool Admin	64,475.13	80,833.00	-16,357.87	79.76%	148,950.00	161,666.00	-12,716.00	92.13%
6500 · Education Funds Use Expens	375.00	375.00	0.00	100.0%	375.00	375.00	0.00	100.0%
9400 · Depreciation Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9500 · Allocated G&A Expenditures	-211,487.71	-244,064.50	32,576.79	86.65%	-430,476.00	-488,129.00	57,653.00	88.19%
6900 · Optimum Basin Mgmt Plan	745,144.84	539,256.00	205,888.84	138.18%	1,540,290.00	1,197,734.00	342,556.00	128.6%
6950 · Mutual Agency Projects	0.00	0.00	0.00	0.0%	10,000.00	10,000.00	0.00	100.0%
9501 · G&A Expenses Allocated-OBMP	62,840.74	71,328.00	-18,487.26	74.08%	105,682.00	142,656.00	-36,974.00	74.08%
7101 · Production Monitoring	46,778.95	52,109.50	-5,330.55	89.77%	93,558.00	104,219.00	-10,661.00	89.77%
7102 · In-line Meter Installation	7,801.95	33,339.50	-25,537.55	23.4%	35,604.00	66,679.00	-31,075.00	53.4%
7103 · Grdwtr Quality Monitoring	109,729.07	110,498.00	-768.93	99.3%	202,083.00	202,996.00	-913.00	99.55%
7104 · Gdwtr Level Monitoring	103,498.86	168,141.00	-64,642.14	61.56%	274,998.00	336,282.00	-61,284.00	81.78%
7105 · Sur Wtr Qual Monitoring	771.23	2,140.00	-1,368.77	36.04%	3,042.00	4,280.00	-1,238.00	71.08%
7107 · Ground Level Monitoring	217,949.52	407,810.00	-189,860.48	53.44%	786,512.00	815,620.00	-29,108.00	96.43%
7108 · Hydraulic Control Monitoring	133,021.20	246,850.00	-113,828.80	53.89%	451,759.00	493,700.00	-41,941.00	91.51%
7109 · Recharge & Well Monitoring Prog	7,123.75	8,440.00	-1,316.25	84.41%	8,440.00	8,440.00	0.00	100.0%
7200 · PE2- Comp Recharge Pgm	412,778.26	508,011.00	-95,232.74	81.25%	972,122.00	1,011,022.00	-38,900.00	96.15%
7300 · PE3&5-Water Supply/Desalite	73,363.73	73,975.50	-611.77	99.17%	106,358.00	90,111.00	16,247.00	118.03%
7400 · PE4- Mgmt Plan	12,057.01	45,977.50	-33,920.49	26.22%	88,826.00	91,955.00	-3,129.00	96.6%
7500 · PE6&7-CoopEfforts/SaltMgmt	43,941.10	73,090.00	-29,148.90	60.12%	140,180.00	146,180.00	-6,000.00	95.9%
7600 · PE8&9-StorageMgmt/Conj Use	18,759.66	31,725.00	-12,965.34	59.13%	40,149.70	64,250.00	-24,100.30	62.49%
7690 · Recharge Improvement Debt Pymt	637,197.50	700,964.00	-63,766.50	90.9%	637,197.50	700,964.00	-63,766.50	90.9%
7700 · Inactive Well Protection Prgm	0.00	706.00	-706.00	0.0%	0.00	1,412.00	-1,412.00	0.0%
9502 · G&A Expenses Allocated-Projects	158,646.95	172,736.50	-14,089.55	91.84%	317,294.00	345,473.00	-28,179.00	91.84%
<b>Total Expense</b>	<b>3,276,041.54</b>	<b>3,822,369.00</b>	<b>-546,327.46</b>	<b>85.71%</b>	<b>6,894,823.00</b>	<b>6,894,823.00</b>	<b>0.00</b>	<b>100.0%</b>

**Actions:**

- February 3, 2011 Appropriative Pool – Approved Unanimously
- February 3, 2011 Non-Agricultural Pool – Approved Unanimously
- February 10, 2011 Agricultural Pool – Approved Unanimously
- February 17, 2011 Advisory Committee – Approved Unanimously
- February 24, 2011 Watermaster Board –

6/12th (50%) of the Total Budget

100% of the Total Budget

Year-To-Date as of December 31, 2010

Fiscal Year End as of June 30, 2011

Expense

	Year-To-Date as of December 31, 2010				Fiscal Year End as of June 30, 2011			
	Actual	Budget	\$ Over(Under)	% of Budget	Projected	Budget	\$ Over(Under)	% of Budget
6010 · Salary Costs	233,911.10	234,222.00	-310.90	99.87%	492,822.80	464,944.00	27,878.80	106.0%
6020 · Office Building Expense	48,756.80	50,598.00	-1,841.20	96.36%	97,514.00	101,196.00	-3,682.00	96.36%
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6040 · Postage & Printing Costs	34,108.15	43,900.00	-9,791.85	77.7%	73,216.00	78,300.00	-5,084.00	93.51%
6050 · Information Services	75,952.98	76,100.00	-147.02	99.81%	137,638.00	142,200.00	-4,562.00	96.79%
6060 · Contract Services	23,130.00	52,000.00	-28,870.00	44.48%	71,260.00	75,000.00	-3,740.00	95.01%
6080 · Insurance	15,863.00	17,575.00	-1,712.00	90.26%	17,363.00	17,575.00	-212.00	98.79%
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6140 · WM Admin Expenses	515.41	1,500.00	-984.59	34.36%	1,030.00	3,000.00	-1,970.00	34.33%
6150 · Field Supplies	-15.66	900.00	-915.66	-1.74%	900.00	1,800.00	-900.00	50.0%
6170 · Travel & Transportation	13,836.19	16,580.00	-2,743.81	83.45%	29,172.00	33,160.00	-3,988.00	87.97%
6190 · Conferences & Seminars	12,139.14	16,500.00	-4,360.86	73.57%	21,639.00	23,000.00	-1,361.00	94.08%
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8300 · Appr PI-WM & Pool Admin	31,355.72	42,143.00	-10,787.28	74.4%	74,712.00	90,043.00	-15,331.00	82.97%
8400 · Agri Pool-WM & Pool Admin	15,508.02	14,073.50	1,434.52	110.19%	31,016.00	28,147.00	2,869.00	110.19%
8467 · Ag Legal & Technical Services	74,090.00	59,000.00	15,090.00	125.58%	148,180.00	118,000.00	30,180.00	125.58%
8470 · Ag Meeting Attend -Special	6,375.00	6,000.00	375.00	106.25%	12,750.00	12,000.00	750.00	106.25%
8471 · Ag Pool Expense	0.00	32,500.00	-32,500.00	0.0%	30,000.00	65,000.00	-35,000.00	46.15%
8500 · Non-Ag PI-WM & Pool Admin	64,475.13	80,833.00	-16,357.87	79.76%	148,950.00	161,666.00	-12,716.00	92.13%
6500 · Education Funds Use Expens	375.00	375.00	0.00	100.0%	375.00	375.00	0.00	100.0%
9400 · Depreciation Expense	0.00	0.00	0.00	0.0%	0.00	0.00	0.00	0.0%
9500 · Allocated G&A Expenditures	-211,487.71	-244,064.50	32,576.79	86.65%	-430,476.00	-488,129.00	57,653.00	88.19%
6900 · Optimum Basin Mgmt Plan	745,144.84	539,256.00	205,888.84	138.18%	1,540,290.00	1,197,734.00	342,556.00	128.6%
6950 · Mutual Agency Projects	0.00	0.00	0.00	0.0%	10,000.00	10,000.00	0.00	100.0%
9501 · G&A Expenses Allocated-OBMP	52,840.74	71,328.00	-18,487.26	74.08%	105,682.00	142,656.00	-36,974.00	74.08%
7101 · Production Monitoring	46,778.95	52,109.50	-5,330.55	89.77%	93,558.00	104,219.00	-10,661.00	89.77%
7102 · In-line Meter Installation	7,801.95	33,339.50	-25,537.55	23.4%	35,604.00	66,679.00	-31,075.00	53.4%
7103 · Grdwtr Quality Monitoring	109,729.07	110,498.00	-768.93	99.3%	202,083.00	202,996.00	-913.00	99.55%
7104 · Gdwtr Level Monitoring	103,498.86	168,141.00	-64,642.14	61.56%	274,998.00	336,282.00	-61,284.00	81.78%
7105 · Sur Wtr Qual Monitoring	771.23	2,140.00	-1,368.77	36.04%	3,042.00	4,280.00	-1,238.00	71.08%
7107 · Ground Level Monitoring	217,949.52	407,810.00	-189,860.48	53.44%	786,512.00	815,620.00	-29,108.00	96.43%
7108 · Hydraulic Control Monitoring	133,021.20	246,850.00	-113,828.80	53.89%	451,759.00	493,700.00	-41,941.00	91.51%
7109 · Recharge & Well Monitoring Prog	7,123.75	8,440.00	-1,316.25	84.41%	8,440.00	8,440.00	0.00	100.0%
7200 · PE2- Comp Recharge Pgm	412,778.26	508,011.00	-95,232.74	81.25%	972,122.00	1,011,022.00	-38,900.00	96.15%
7300 · PE3&5-Water Supply/Desalte	73,363.73	73,975.50	-611.77	99.17%	106,358.00	90,111.00	16,247.00	118.03%
7400 · PE4- Mgmt Plan	12,057.01	45,977.50	-33,920.49	26.22%	88,826.00	91,955.00	-3,129.00	96.6%
7500 · PE6&7-CoopEfforts/SaltMgmt	43,941.10	73,090.00	-29,148.90	60.12%	140,180.00	146,180.00	-6,000.00	95.9%
7600 · PE8&9-StorageMgmt/Conj Use	18,759.66	31,725.00	-12,965.34	59.13%	40,149.70	64,250.00	-24,100.30	62.49%
7690 · Recharge Improvement Debt Pymt	637,197.50	700,964.00	-63,766.50	90.9%	637,197.50	700,964.00	-63,766.50	90.9%
7700 · Inactive Well Protection Prgm	0.00	706.00	-706.00	0.0%	0.00	1,412.00	-1,412.00	0.0%
9502 · G&A Expenses Allocated-Projects	158,646.95	172,736.50	-14,089.55	91.84%	317,294.00	345,473.00	-28,179.00	91.84%
<b>Total Expense</b>	<b>3,276,041.54</b>	<b>3,822,369.00</b>	<b>-546,327.46</b>	<b>85.71%</b>	<b>6,894,823.00</b>	<b>6,894,823.00</b>	<b>0.00</b>	<b>100.0%</b>

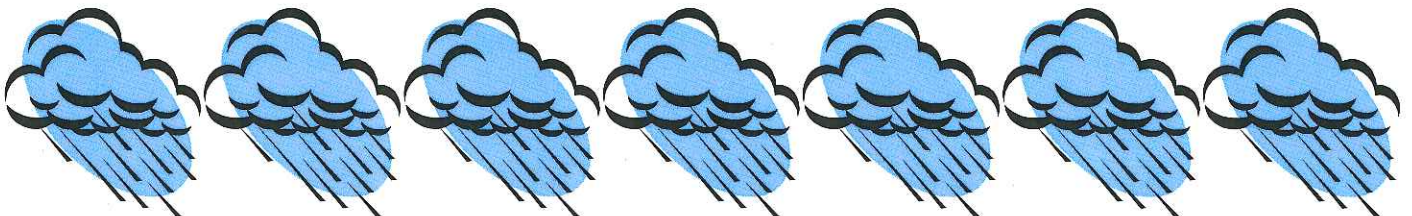
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# CHINO BASIN WATERMASTER

## IV. INFORMATION

1. Cash Disbursements for January 2010





Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/05/2011	14768	APPLIED COMPUTER TECHNOLOGIES	1989	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	1989		Database Services - December 2010	6052.2 - Applied Computer Technol	1,302.25
TOTAL						1,302.25
Bill Pmt -Check	01/05/2011	14769	ARROWHEAD MOUNTAIN SPRING WATER	0023230253	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	0023230253		Office Water Bottle - December 2010	6031.7 - Other Office Supplies	26.51
TOTAL						26.51
Bill Pmt -Check	01/05/2011	14770	BOWCOCK, ROBERT	12/16/2010 Watermaster Board Meeting	1012 - Bank of America Gen'l Ckg	
Bill	12/16/2010	12/16 Board Mtg		12/16/2010 Watermaster Board Meeting	6311 - Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	01/05/2011	14771	CAMACHO, MICHAEL	12/02/2010 Administrative Meeting	1012 - Bank of America Gen'l Ckg	
Bill	12/02/2010	12/02 Admin Mtg		12/02/10 Administrative Meeting	6311 - Board Member Compensation	125.00
Bill	12/10/2010	12/10 CDA Conf Call		12/10/10 CDA Conference Call	6311 - Board Member Compensation	125.00
Bill	12/16/2010	12/16 Advisory Comm		12/16/10 Advisory Committee Meeting	6311 - Board Member Compensation	125.00
Bill	12/23/2010	12/23 Admin Mtg		12/23/10 Administrative Meeting	6311 - Board Member Compensation	125.00
TOTAL						500.00
Bill Pmt -Check	01/05/2011	14772	CITISTREET	Payroll and Taxes for 12/12/10-12/25/10	1012 - Bank of America Gen'l Ckg	
General Journal	12/25/2010	12/25/2010	CITISTREET	Employee 457 Deductions-12/12/10-12/25/10	2000 - Accounts Payable	1,500.00
TOTAL						1,500.00
Bill Pmt -Check	01/05/2011	14773	COMPUTER NETWORK	workstation	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	80063		cable for T1 line	6055 - Computer Hardware	973.31
Bill	12/31/2010	73514		supplies for T1 line	6055 - Computer Hardware	43.50
Bill	12/31/2010	79512		service on HP-8100 printer in IT office	6055 - Computer Hardware	624.49
Bill	12/31/2010	79835		small business server software	6057 - Computer Maintenance	250.06
Bill	12/31/2010	80046		cable for IT room	6054 - Computer Software	7,503.75
Bill	12/31/2010	80147		firewall support - 2 yrs.	6055 - Computer Hardware	97.88
Bill	12/31/2010	78955		T1 line supplies	6055 - Computer Hardware	380.63
Bill	12/31/2010	79518		DVD drive for GIS workstation	6055 - Computer Hardware	81.56
Bill	12/31/2010	79466		maintenance for plotter in GIS office	6055 - Computer Hardware	70.69
Bill	12/31/2010	79280		replacement workstation-CEO office	6057 - Computer Maintenance	342.50
Bill	12/31/2010	79338		replacement workstation-Environ. Specialist office	6055 - Computer Hardware	1,305.00
Bill	12/31/2010	79218		replacement monitor-Senior Engineer office	6055 - Computer Hardware	1,592.31
Bill	12/31/2010	79996		back up drives	6055 - Computer Hardware	304.19
Bill	12/31/2010	79152		back up drives	6055 - Computer Hardware	419.78
Bill	12/31/2010	79173			6055 - Computer Hardware	348.00
TOTAL						14,327.65
Bill Pmt -Check	01/05/2011	14774	DE BOOM, NATHAN		1012 - Bank of America Gen'l Ckg	

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	12/31/2010	10/14 Ag Pool Mtg		10/14/10 Ag Pool Meeting	8411 · Compensation	25.00
Bill	12/31/2010	11/04 Ag Pool Mtg		AG Pool Member Meeting Compensation	8470 · Ag Meeting Attend -Special	100.00
Bill	12/31/2010	12/21 Restated Judgm		11/04/10 Ag Pool Meeting	8411 · Compensation	25.00
Bill	12/31/2010	12/09 Ag Pool Mtg		AG Pool Member Meeting Compensation	8470 · Ag Meeting Attend -Special	100.00
Bill	12/31/2010	12/09 Ag Pool Mtg		12/21/10 Restated Judgment Meeting	8411 · Compensation	25.00
Bill	12/31/2010	12/09 Ag Pool Mtg		AG Pool Member Meeting Compensation	8470 · Ag Meeting Attend -Special	100.00
Bill	12/31/2010	12/09 Ag Pool Mtg		12/09/10 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
<b>TOTAL</b>						<b>500.00</b>
Bill	01/05/2011	14775	DIRECTV	019447404	1012 · Bank of America Gen'l Ckg	83.99
Bill	01/03/2011	019447404		Monthly Service for 12/19/10-1/18/11	6031.7 · Other Office Supplies	83.99
<b>TOTAL</b>						<b>167.98</b>
Bill	01/05/2011	14776	DURRINGTON, GLEN		1012 · Bank of America Gen'l Ckg	25.00
Bill	12/31/2010	10/14 Ag Pool Mtg		10/14/10 Ag Pool Meeting	8411 · Compensation	25.00
Bill	12/31/2010	11/04 Ag Pool Mtg		AG Pool Member Meeting Compensation	8470 · Ag Meeting Attend -Special	100.00
Bill	12/31/2010	11/04 Ag Pool Mtg		11/04/10 Ag Pool Meeting	8411 · Compensation	25.00
Bill	12/31/2010	12/16 Board Mtg		AG Pool Member Meeting Compensation	8470 · Ag Meeting Attend -Special	100.00
Bill	12/31/2010	12/21 Restated Judgm		12/21/10 Restated Judgment Meeting		250.00
<b>TOTAL</b>						<b>250.00</b>
Bill	01/05/2011	14777	FEENSTRA, BOB		1012 · Bank of America Gen'l Ckg	125.00
Bill	12/31/2010	10/14 Ag Pool Mtg		10/14/10 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	12/31/2010	10/21 Advisory Comm		10/21/10 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	12/31/2010	10/28 Board Mtg		10/28/10 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	12/31/2010	11/04 Ag Pool Mtg		11/04/10 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	12/31/2010	12/09 Ag Pool Mtg		12/09/10 Ag Pool Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	12/31/2010	12/16 Board Mtg		12/16/10 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	12/31/2010	12/21 Restated Judgm		12/21/10 Restated Judgment Meeting		125.00
<b>TOTAL</b>						<b>875.00</b>
Bill	01/05/2011	14778	HAUGHEY, TOM		1012 · Bank of America Gen'l Ckg	125.00
Bill	12/16/2010	12/16 Board Mtg		12/16/10 Board Meeting	6311 · Board Member Compensation	125.00
<b>TOTAL</b>						<b>250.00</b>
Bill	01/05/2011	14779	HSBC BUSINESS SOLUTIONS		1012 · Bank of America Gen'l Ckg	573.63
Bill	12/31/2010	7003730910002744		7003730910002744 misc. office supplies and meeting supplies	6031.7 · Other Office Supplies	573.63
<b>TOTAL</b>						<b>573.63</b>
Bill	01/05/2011	14780	HUITSING, JOHN		1012 · Bank of America Gen'l Ckg	25.00
Bill	12/31/2010	12/09 Ag Pool Mtg		12/09/10 Ag Pool Meeting	8411 · Compensation	25.00
Bill	12/31/2010	12/21 Restated Judgm		Ag Pool Member Compensation	8470 · Ag Meeting Attend -Special	100.00
Bill	12/31/2010	12/21 Restated Judgm		12/21/10 Restated Judgment Meeting	8411 · Compensation	25.00
Bill	12/31/2010	12/21 Restated Judgm		Ag Pool Member Compensation	8470 · Ag Meeting Attend -Special	100.00
<b>TOTAL</b>						<b>250.00</b>

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
January 1, 2011 - January 25, 2011

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						250.00
Bill Pmt -Check	01/05/2011	14781	INLAND EMPIRE UTILITIES AGENCY	90006768	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	90006768		90006768	8456 - IEUA Readiness To Serve	400.98
TOTAL						400.98
Bill Pmt -Check	01/05/2011	14782	JUST IN TIME COMMUNICATIONS	9253	1012 - Bank of America Gen'l Ckg	
Bill	12/14/2010	9253		service call for Direct TV satellite	6031.7 - Other Office Supplies	250.00
TOTAL						250.00
Bill Pmt -Check	01/05/2011	14783	KOOPMAN, GENE	11/04/10 Ag Pool Meeting	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	11/04 Ag Pool Mtg		AG Pool Member Meeting Compensation	8411 - Compensation	25.00
Bill	12/31/2010	12/09 Ag Pool Mtg		AG Pool Member Meeting Compensation	8470 - Ag Meeting Attend -Special	100.00
Bill	12/31/2010	12/09 Ag Pool Mtg		AG Pool Member Meeting Compensation	8411 - Compensation	25.00
Bill	12/31/2010	12/09 Ag Pool Mtg		AG Pool Member Meeting Compensation	8470 - Ag Meeting Attend -Special	100.00
TOTAL						250.00
Bill Pmt -Check	01/05/2011	14784	KUHN, BOB	12/16/2010 Board Meeting	1012 - Bank of America Gen'l Ckg	
Bill	12/16/2010	12/16 Board Mtg		12/16/2010 Board Meeting	6311 - Board Member Compensation	125.00
Bill Pmt -Check	01/05/2011	14785	MIJAC ALARM	294105	1012 - Bank of America Gen'l Ckg	
Bill	01/01/2011	294105		Building monitoring service for 1/01/11-3/31/11	6028 - Security services	141.00
TOTAL						141.00
Bill Pmt -Check	01/05/2011	14786	OFFICE DEPOT	545121271001	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	545121271001		paper towel rolls for restrooms, file folders	6031.7 - Other Office Supplies	56.72
TOTAL						56.72
Bill Pmt -Check	01/05/2011	14787	PARK PLACE COMPUTER SOLUTIONS, INC.	446	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	446		IT Services - December 2010	6052.1 - Park Place Comp Solutn	4,650.00
TOTAL						4,650.00
Bill Pmt -Check	01/05/2011	14788	PAYCHEX	2010122300	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	2010122300		Payroll processing charges - December 2010	6012 - Payroll Services	404.93
TOTAL						404.93
Bill Pmt -Check	01/05/2011	14789	PIERSON, JEFFREY	10/14/10 Ag Pool Meeting	1012 - Bank of America Gen'l Ckg	
Bill	12/31/2010	10/14 Ag Pool Mtg		10/14/10 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	12/31/2010	10/21 Advisory Comm		10/21/10 Advisory Committee Meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	12/31/2010	10/28 Board Mtg		10/28/10 Board Meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	12/31/2010	11/04 Ag Pool Mtg		11/04/10 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	125.00
Bill	12/31/2010	12/09 Ag Pool Mtg		12/09/10 Ag Pool Meeting	8470 - Ag Meeting Attend -Special	125.00
TOTAL						500.00

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Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	12/31/2010	12/16 Advisory Comm		12/16/10 Advisory Committee Meeting	8470 · Ag Meeting Attend -Special	125.00
Bill	12/31/2010	12/16 Board Mtg		12/16/10 Board Meeting	8470 · Ag Meeting Attend -Special	125.00
<b>TOTAL</b>						<b>875.00</b>
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14790</b>	<b>PUBLIC EMPLOYEES' RETIREMENT SYSTEM</b>	<b>Payor #3483</b>	<b>1012 · Bank of America Gen'l Ckg</b>	<b>6,598.46</b>
General Journal	12/25/2010	11/12/03	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS for 12/12/10-12/25/10	2000 · Accounts Payable	6,598.46
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14791</b>	<b>PUMP CHECK</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>450.00</b>
Bill	12/31/2010	4082		4082	7103.4 · Grdwtr Qual-Contract Svc	1,350.00
Bill	12/31/2010	4128		4082	7102.7 · In-line Meter	190.00
<b>TOTAL</b>						<b>1,990.00</b>
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14792</b>	<b>PURCHASE POWER</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>118.50</b>
Bill	12/31/2010	8000909000168851		8000909000168851	1012 · Bank of America Gen'l Ckg	118.50
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14793</b>	<b>SPAM SOAP, INC</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>201.60</b>
Bill	01/03/2011	S49233		549233	6054 · Computer Software	201.60
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14794</b>	<b>STAPLES BUSINESS ADVANTAGE</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>288.28</b>
Bill	12/31/2010	8017352816		2017352816	6031.7 · Other: Office Supplies	288.28
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14795</b>	<b>UNION 76</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>114.81</b>
Bill	12/31/2010	300732989		300-732-989	6175 · Vehicle Fuel	114.81
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14796</b>	<b>VANDEN HEUVEL, GEOFFREY</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>125.00</b>
Bill	12/03/2010	12/03 Settlement Call		6311	6311 · Board Member Compensation	125.00
Bill	12/10/2010	12/10 CDA Conf Call		12/03/10 Draft Settlement Conference Call	6311 · Board Member Compensation	125.00
Bill	12/16/2010	12/16 Board Mtg		12/10/10 CDA Conference Call	6311 · Board Member Compensation	125.00
Bill	12/17/2010	12/17 CDA Conf Call		12/16/10 Board Meeting	6311 · Board Member Compensation	125.00
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14797</b>	<b>VANDEN HEUVEL, ROB</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>25.00</b>
Bill	12/31/2010	10/14 Ag Pool Mtg		10/14/10 Ag Pool Meeting	8411 · Compensation	100.00
Bill	12/31/2010	11/04 Ag Pool Mtg		AG Pool Member Compensation	8470 · Ag Meeting Attend -Special	25.00
Bill	12/31/2010	12/09 Ag Pool Mtg		11/04/10 Ag Pool Meeting	8411 · Compensation	100.00
<b>Bill Pmt -Check</b>	<b>01/05/2011</b>	<b>14797</b>	<b>VANDEN HEUVEL, ROB</b>		<b>1012 · Bank of America Gen'l Ckg</b>	<b>25.00</b>
Bill	12/31/2010	10/14 Ag Pool Mtg		12/09/10 Ag Pool Meeting	8411 · Compensation	25.00

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
January 1, 2011 - January 26, 2011

For Informational Purposes Only

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	12/31/2010	12/21 Restated Judgm		AG Pool Member Compensation	8470 · Ag Meeting Attend -Special	100.00
				12/21/10 Restated Judgment Meeting	8411 · Compensation	25.00
				AG Pool Member Compensation	8470 · Ag Meeting Attend -Special	100.00
TOTAL						500.00
Bill Pmt -Check	01/05/2011	14798	VERIZON		1012 · Bank of America Gen'l Ckg	
Bill	12/31/2010	012561121521714508		012561121521714508	7405 · PE4-Other Expense	157.38
Bill	12/31/2010	012519116950792103		012519116950792103	8022 · Telephone	425.76
TOTAL						583.14
Bill Pmt -Check	01/05/2011	14799	VISION SERVICE PLAN		1012 · Bank of America Gen'l Ckg	
Bill	12/31/2010	001017890001		00-101789-0001 Vision Insurance Premiums - January 2011	60182.2 · Dental & Vision Ins	52.93
TOTAL						52.93
Bill Pmt -Check	01/05/2011	14800	WHITEHEAD, MICHAEL		1012 · Bank of America Gen'l Ckg	
Bill	12/03/2010	12/03 Settlement Call		12/03/10 Draft Settlement Conference Call	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	01/05/2011	14801	WILLIS, KENNETH		1012 · Bank of America Gen'l Ckg	
Bill	12/03/2010	12/03 Settlement Conf		12/03/10 Draft Settlement Conference Call	6311 · Board Member Compensation	125.00
Bill	12/15/2010	12/15 Admin Mtg		12/15/10 Administrative Meeting	6311 · Board Member Compensation	125.00
Bill	12/16/2010	12/16 Advisory Comm		12/16/10 Advisory Committee Meeting	6311 · Board Member Compensation	125.00
TOTAL						375.00
Bill Pmt -Check	01/05/2011	14802	YOUNG, ROBERT		1012 · Bank of America Gen'l Ckg	
Bill	12/16/2010	12/16 Board Mtg		12/16/2010 Board Meeting	6311 · Board Member Compensation	125.00
TOTAL						125.00
Bill Pmt -Check	01/05/2011	14803	YUKON DISPOSAL SERVICE		1012 · Bank of America Gen'l Ckg	
Bill	01/05/2011	08-K2 213849		08-K2 213849 Disposal Service for Jan. 2011	6024 · Building Repair & Maintenance	142.88
TOTAL						142.88
Bill Pmt -Check	01/05/2011	14804	STATE COMPENSATION INSURANCE FUND		1012 · Bank of America Gen'l Ckg	
Bill	01/05/2011	1615535-10		1615535-10 1615535-10	60183 · Worker's Comp Insurance	1,564.14
TOTAL						1,564.14
Bill Pmt -Check	01/05/2011	14805	WATSON WINDOW WASHING		1012 · Bank of America Gen'l Ckg	
Bill	01/05/2011	110501		110501 office window cleaning - inside and outside	6024 · Building Repair & Maintenance	314.00
TOTAL						314.00
Bill Pmt -Check	01/10/2011	14806	CALPERS		1012 · Bank of America Gen'l Ckg	
Bill	01/06/2011	59-3034		59-3034 Fourth Level 1959 Survivor Benefits	60182 · Health Benefits	514.80
TOTAL						514.80

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
January 1, 2011 - January 25, 2011

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/10/2011	14807	GREAT AMERICA LEASING CORP.	VOID: 10444071	1012 - Bank of America Gen'l Ckg	
TOTAL						
Bill Pmt -Check	01/10/2011	14808	HOGAN LOVELLS	1942411	1012 - Bank of America Gen'l Ckg	6,805.63
Bill	12/31/2010	1942411		Non-Ag Legal Services	8667 - Non-Ag Legal Service	6,805.63
TOTAL						
Bill Pmt -Check	01/10/2011	14809	JAMES JOHNSTON	220	1012 - Bank of America Gen'l Ckg	765.00
Bill	12/31/2010	220		Website Services - December 2010	8052.3 - Website Consulting	765.00
TOTAL						
Bill Pmt -Check	01/10/2011	14810	PUMP CHECK	4136	1012 - Bank of America Gen'l Ckg	2,730.00
Bill	12/31/2010	4136			7102.8 - In-line Meter-Calib & Test	2,730.00
TOTAL						
Bill Pmt -Check	01/10/2011	14811	BANC OF AMERICA LEASING	35470-CZZ11	1012 - Bank of America Gen'l Ckg	400.00
Bill	01/10/2011	35470-CZZ11		return authorization fee #35470-CZZ11	6043.1 - Ricoh Lease Fee	400.00
TOTAL						
Bill Pmt -Check	01/10/2011	14812	GREAT AMERICA LEASING CORP.	10444071	1012 - Bank of America Gen'l Ckg	2,814.41
Bill	12/31/2010	10444071		monthly lease of copiers	6043.1 - Ricoh Lease Fee	2,814.41
				Usage for Black Copies	6043.2 - Ricoh Usage & Maintenance Fee	216.93
				Usage for Color Copies	6043.2 - Ricoh Usage & Maintenance Fee	209.44
TOTAL						3,240.78
Bill Pmt -Check	01/10/2011	14813	AMERON	2nd of 4 annual pymnts-initial pymnt Jan. 2010	1012 - Bank of America Gen'l Ckg	103,482.64
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 - Purchase of Non-Ag Pool Water	103,482.64
TOTAL						
Bill Pmt -Check	01/10/2011	14814	AQUA CAPITAL MANAGEMENT LP	2nd of 4 annual pymnts-initial pymnt Jan. 2010	1012 - Bank of America Gen'l Ckg	478,091.63
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 - Purchase of Non-Ag Pool Water	478,091.63
TOTAL						
Bill Pmt -Check	01/10/2011	14815	AUTO CLUB SPEEDWAY	2nd of 4 annual pymnts-initial pymnt Jan. 2010	1012 - Bank of America Gen'l Ckg	74,426.53
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 - Purchase of Non-Ag Pool Water	74,426.53
TOTAL						
Bill Pmt -Check	01/10/2011	14816	CSI	2nd of 4 annual pymnts-initial pymnt Jan. 2010	1012 - Bank of America Gen'l Ckg	166,887.13
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 - Purchase of Non-Ag Pool Water	166,887.13
TOTAL						
Bill Pmt -Check	01/10/2011	14817	GENON WEST LP	2nd of 4 annual pymnts-initial pymnt Jan. 2010	1012 - Bank of America Gen'l Ckg	

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CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
January 1, 2011 - January 25, 2011

Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL	01/10/2011			Purchase of Non-Ag Pool Water	5105 · Purchase of Non-Ag Pool Water	317,570.53
Bill Pmt -Check	01/10/2011	14818	MOBILE COMMUNITY MGMT	2nd of 4 annual pymnts-initial pymnt. Jan. 2010	1012 · Bank of America Gen'l Ckg	138,847.72
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 · Purchase of Non-Ag Pool Water	138,847.72
TOTAL						
Bill Pmt -Check	01/10/2011	14819	ONTARIO, CITY OF	2nd of 4 annual pymnts-initial pymnt. Jan. 2010	1012 · Bank of America Gen'l Ckg	719,613.83
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 · Purchase of Non-Ag Pool Water	719,613.83
TOTAL						
Bill Pmt -Check	01/10/2011	14820	PRAXAIR	2nd of 4 annual pymnts-initial pymnt. Jan. 2010	1012 · Bank of America Gen'l Ckg	235,583.08
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 · Purchase of Non-Ag Pool Water	235,583.08
TOTAL						
Bill Pmt -Check	01/10/2011	14821	SAN BERNARDINO COUNTY - DEPT. AIRPORTS	2nd of 4 annual pymnts-initial pymnt. Jan. 2010	1012 · Bank of America Gen'l Ckg	9,712.77
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 · Purchase of Non-Ag Pool Water	9,712.77
TOTAL						
Bill Pmt -Check	01/10/2011	14822	SOUTHERN CALIFORNIA EDISON COMPANY	2nd of 4 annual pymnts-initial pymnt. Jan. 2010	1012 · Bank of America Gen'l Ckg	11,219.92
Bill	01/10/2011			Purchase of Non-Ag Pool Water	5105 · Purchase of Non-Ag Pool Water	11,219.92
TOTAL						
Bill Pmt -Check	01/12/2011	14823	SAFEGUARD DENTAL & VISION	3498257	1012 · Bank of America Gen'l Ckg	7.91
Bill	01/10/2011	3498257		Dental Insurance Premiums - January 2011	60182.2 · Dental & Vision Ins	7.91
TOTAL						
Bill Pmt -Check	01/12/2011	14824	W.C. DISCOUNT MOBILE AUTO DETAILING	Truck washing service	1012 · Bank of America Gen'l Ckg	100.00
Bill	01/10/2011			truck washing 4 trucks	6177 · Vehicle Repairs & Maintenance	100.00
TOTAL						
Bill Pmt -Check	01/12/2011	14825	WESTERN DENTAL SERVICES, INC.	002483	1012 · Bank of America Gen'l Ckg	28.06
Bill	01/10/2011	002483		Dental Insurance Premium - January 2011	60182.2 · Dental & Vision Ins	28.06
TOTAL						
General Journal	01/14/2011	01/14/2011	Payroll and Taxes for 12/26/10-01/08/11	Payroll and Taxes for 12/26/10-01/08/11	1012 · Bank of America Gen'l Ckg	9,415.59
				Payroll Taxes for 12/26/10-01/08/11	1012 · Bank of America Gen'l Ckg	23,937.66
				Direct Deposits for 12/26/10-01/08/11	1014 · Bank of America P/R Ckg	33,353.25
TOTAL						
Bill Pmt -Check	01/19/2011	14826	ACWA SERVICES CORPORATION	Prepayment - January 2011	1012 · Bank of America Gen'l Ckg	123.79
Bill	12/31/2010	00198		December 2010	1409 · Prepaid Life, BAD&D & LTD	123.79
					60191 · Life & Disab.Ins Benefits	135.86
TOTAL						

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
January 1, 2011 - January 25, 2011

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill	01/14/2011	00198		Prepayment - February 2011 January 2011	1409 · Prepaid Life, BAD&D & LTD 60191 · Life & Disab. Ins Benefits	130.30 129.98 519.93
TOTAL						
Bill Pmt -Check	01/19/2011	14827	CORELOGIC INFORMATION SOLUTIONS	13036149	1012 · Bank of America Gen'l Ckg	62.50
Bill	12/31/2010	13036149		13036149	7103.7 · Grdwtr Qual-Computer Svc 7101.4 · Prod Monitor-Computer	62.50 125.00
TOTAL						
Bill Pmt -Check	01/19/2011	14828	GENON WEST LP	Reissue of Reliant Energy, Etiwanda Check To replace check #13864 issued 1/14/10	1012 · Bank of America Gen'l Ckg 5105 · Purchase of Non-Ag Pool Water	304,980.88 304,980.88
Bill	01/12/2011					
TOTAL						
Bill Pmt -Check	01/19/2011	14829	GROUNDWATER RESOURCES ASSOCIATION	2011 Membership Dues Annual membership dues for 2011	1012 · Bank of America Gen'l Ckg 6111 · Membership Dues	110.00 110.00
Bill	01/12/2011	9237				
TOTAL						
Bill Pmt -Check	01/19/2011	14830	GUARANTEED JANITORIAL SERVICE, INC.	28302 Janitorial Service - January 2011	1012 · Bank of America Gen'l Ckg 6024 · Building Repair & Maintenance	865.00 865.00
Bill	01/12/2011	28302				
TOTAL						
Bill Pmt -Check	01/19/2011	14831	PIERSON, JEFFREY	11/18/2010 Advisory Committee Meeting 11/18/2010 Advisory Committee Meeting	1012 · Bank of America Gen'l Ckg 8470 · Ag Meeting Attend -Special	125.00 125.00
Bill	12/31/2010	11/18 Advisory Comm				
TOTAL						
Bill Pmt -Check	01/19/2011	14832	REID & HELLER	173308 Ag Pool Legal Services Ag Pool Legal Services	1012 · Bank of America Gen'l Ckg 8467 · Ag Legal & Technical Services 8467.1 · Frank B. & Associates	7,930.50 550.00 8,480.50
Bill	12/31/2010	173308				
TOTAL						
Bill Pmt -Check	01/19/2011	14833	THE STANDARD INSURANCE COMPANY	160-513170-00006 Employee Dental Ins. Premium - Feb. 2011	1012 · Bank of America Gen'l Ckg 60182.2 · Dental & Vision Ins	172.52 172.52
Bill	01/12/2011	160-513170-00006				
TOTAL						
Bill Pmt -Check	01/20/2011	14834	AUTOMATED GATE SERVICES, INC.	71206 gate repair	1012 · Bank of America Gen'l Ckg 6024 · Building Repair & Maintenance	120.50 120.50
Bill	01/19/2011	71206				
TOTAL						
Bill Pmt -Check	01/20/2011	14835	BANK OF AMERICA	xxxx-xxxx-xxxx-9341 permit for County of Orange-generator repairs Fastrack replenishment Ben Pak-attend Jan. 25-26 Man. Aquifer Symposium air fare-Ken Manning-Jan. 21-22 Water Law Symposi	1012 · Bank of America Gen'l Ckg 7103.6 · Grdwtr Qual-Supplies 6174 · Transportation 6191 · Conferences - General 6191 · Conferences - General	114.00 30.00 275.00 694.80
Bill	12/31/2010	xxxx-xxxx-xxxx-9341				
TOTAL						

TOTAL 86



Type	Date	Num	Name	Memo	Account	Paid Amount
TOTAL						
Bill Pmt -Check	01/20/2011	14836	CALIFORNIA GROUNDWATER COALITION	Christmas luncheon for staff	6141.3 · Admin Meetings	395.12
Bill	01/19/2011			air fare-Ken Manning-Lunch Roundtable on Delta	6191 · Conferences - General	357.40
				December Board luncheon	6312 · Meeting Expenses	411.76
				airport parking for K. Manning	6191 · Conferences - General	18.00
				annual software license	6031.7 · Other Office Supplies	99.00
				Ken Manning lunch with Board member	6312 · Meeting Expenses	26.37
TOTAL						2,421.45
Bill Pmt -Check	01/20/2011	14837	CALPERS	2011 Membership Dues	1012 · Bank of America Gen'l Ckg	4,750.00
Bill	01/19/2011	1741		2011 Membership Dues-Jan/Jun	6111 · Membership Dues	4,750.00
				2011 Membership Dues-Jul/Dec	1433 · Prepaid Membership Dues	9,500.00
TOTAL						5,866.86
Bill Pmt -Check	01/20/2011	14838	CITISTREET	17741	1012 · Bank of America Gen'l Ckg	1,973.12
General Journal	01/14/2011	01/14/2011		Medical Insurance Premiums - February 2011	60182.1 · Medical Insurance	5,866.86
				Payroll and Taxes for 12/26/10-01/08/11	1012 · Bank of America Gen'l Ckg	1,973.12
				457 Employee Deductions for 12/26/10-01/08/11	2000 · Accounts Payable	1,973.12
TOTAL						5,844.00
Bill Pmt -Check	01/20/2011	14839	CUCAMONGA VALLEY WATER DISTRICT	Lease Due Feb. 1, 2011	1012 · Bank of America Gen'l Ckg	5,844.00
Bill	01/19/2011	55424726		Office Lease Due February 1, 2011	1422 · Prepaid Rent	5,844.00
TOTAL						210.51
Bill Pmt -Check	01/20/2011	14840	DELUXE BUSINESS FORMS & SUPPLIES	55424726	1012 · Bank of America Gen'l Ckg	210.51
Bill	01/19/2011	55424726		1099 forms/envelopes, double window envelopes	6031.7 · Other Office Supplies	210.51
TOTAL						1,554.00
Bill Pmt -Check	01/20/2011	14841	MWH LABORATORIES	L0045025 - Grdwtr Qual-Lab Svcs	1012 · Bank of America Gen'l Ckg	1,554.00
Bill	12/31/2010	L0045025		L0045822 - Grdwtr Qual-Lab Svcs	7103.5 · Grdwtr Qual-Lab Svcs	1,066.00
Bill	12/31/2010	L0045822		L0045823 - Grdwtr Qual-Lab Svcs	7103.5 · Grdwtr Qual-Lab Svcs	488.00
Bill	12/31/2010	L0045823		L0045820 - Grdwtr Qual-Lab Svcs	7103.5 · Grdwtr Qual-Lab Svcs	2,042.00
Bill	12/31/2010	L0045820		L0043539 - Grdwtr Qual-Lab Svcs	7103.5 · Grdwtr Qual-Lab Svcs	1,554.00
Bill	12/31/2010	L0043539				6,704.00
TOTAL						551.37
Bill Pmt -Check	01/20/2011	14842	PITNEY BOWES CREDIT CORPORATION	6684246	1012 · Bank of America Gen'l Ckg	551.37
Bill	01/19/2011	6684246		lease charges for postage meter	6044 · Postage Meter Lease	551.37
TOTAL						77.70
Bill Pmt -Check	01/20/2011	14843	PRE-PAID LEGAL SERVICES, INC.	111802	1012 · Bank of America Gen'l Ckg	77.70
Bill	01/19/2011	111802		Employee Services - January 2011	60194 · Other Employee Insurance	77.70

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
January 1, 2011 - January 25, 2011

Type	Date	Num	Name	Memo	Account	Paid Amount
<b>TOTAL</b>						<b>77.70</b>
Bill Pmt -Check	01/20/2011	14844	PREMIERE GLOBAL SERVICES	05579145	1012 - Bank of America Gen'l Ckg	14.95
Bill	12/31/2010	05579145		monthly fee	6022 - Telephone	346.15
				CDA calls on 12/08, 12/10, 12/16 and 12/22	7305 - PE3&5-Supplies	57.20
				12/03 call for draft settlement conference	6909.1 - OBMP Meetings	445.73
				12/02 Ncr-Ag Pool Meeting, 12/23 Agenda call	8512 - Meeting Expense	18.14
				12/23 Appropriative Pool agenda call	8312 - Meeting Expenses	18.14
				12/23 Ag Pool agenda call	8412 - Meeting Expenses	900.31
<b>TOTAL</b>						<b>1,300.00</b>
Bill Pmt -Check	01/20/2011	14845	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	Payor #3493	1012 - Bank of America Gen'l Ckg	6,925.15
General Journal	01/14/2011	01/14/2011	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	CalPERS for 12/26/10-01/09/11	2000 - Accounts Payable	6,925.15
<b>TOTAL</b>						<b>1,300.00</b>
Bill Pmt -Check	01/20/2011	14846	RAUCH COMMUNICATION CONSULTANTS, LLC	Jan-1102	1012 - Bank of America Gen'l Ckg	1,300.00
Bill	01/19/2011	Jan-1102		Progressive billing for annual report	6061.3 - Rauch	1,300.00
<b>TOTAL</b>						<b>136.61</b>
Bill Pmt -Check	01/20/2011	14847	STAULA, MARY L	Company portion of retiree medical premium	1012 - Bank of America Gen'l Ckg	136.61
Bill	01/31/2011				60182.4 - Retiree Medical	136.61
<b>TOTAL</b>						<b>1,635.32</b>
Bill Pmt -Check	01/20/2011	14848	VERIZON BUSINESS	64261896	1012 - Bank of America Gen'l Ckg	1,635.32
Bill	01/19/2011	64261896			6053 - Internet Expense	1,635.32
<b>TOTAL</b>						<b>786.46</b>
Bill Pmt -Check	01/20/2011	14849	VERIZON WIRELESS	0938649613	1012 - Bank of America Gen'l Ckg	786.46
Bill	01/19/2011	0938649613		monthly service + replacement blackberry	6022 - Telephone	786.46
<b>TOTAL</b>						<b>100.00</b>
Bill Pmt -Check	01/20/2011	14850	W.C. DISCOUNT MOBILE AUTO DETAILING	Truck washing service	1012 - Bank of America Gen'l Ckg	100.00
Bill	01/19/2011			truck washing 4 trucks	6177 - Vehicle Repairs & Maintenance	100.00
<b>TOTAL</b>						<b>11,868.82</b>
Bill Pmt -Check	01/25/2011	14851	BROWNSTEIN HYATT FARBBER SCHRECK	438447 - WM Legal Counsel	1012 - Bank of America Gen'l Ckg	11,868.82
Bill	12/31/2010	438447			6907.3 - WM Legal Counsel	592.20
Bill	12/31/2010	438448			6907.31 - Ontario Airport Plume	1,790.55
Bill	12/31/2010	438449			6907.32 - Chino Airport Plume	12,585.80
Bill	12/31/2010	438450			6907.33 - Desalter Negotiations	3,090.60
Bill	12/31/2010	438451			6907.35 - Paragaph 31 Motion	989.00
Bill	12/31/2010	438452			6907.36 - Santa Ana River Habitat	30,836.97

CHINO BASIN WATERMASTER  
Cash Disbursements For The Month of  
January 1, 2011 - January 25, 2011

Type	Date	Num	Name	Memo	Account	Paid Amount
Bill Pmt -Check	01/25/2011	14852	INLAND EMPIRE UTILITIES AGENCY	90006916	1012 - Bank of America Gen'l Ckg	171,158.01
Bill	01/19/2011	90006916		groundwater recharge O&M - 3rd quarter	7206 - Comp Recharge-O&M	171,158.01
<b>TOTAL</b>						
Bill Pmt -Check	01/25/2011	14853	WILDERMUTH ENVIRONMENTAL INC		1012 - Bank of America Gen'l Ckg	3,678.00
Bill	12/31/2010	2010784		2010784 - OBMP Engineering Services	6906 - OBMP Engineering Services	450.00
Bill	12/31/2010	2010785		2010785 - OBMP Engineering Services	6906 - OBMP Engineering Services	3,860.00
Bill	12/31/2010	2010786		2010786 - OBMP Engineering Services	6906 - OBMP Engineering Services	6,277.50
Bill	12/31/2010	2010787		2010787 - OBMP Engineering Services	6906 - OBMP Engineering Services	7,105.00
Bill	12/31/2010	2010788		2010788 - OBMP Engineering Services	6906 - OBMP Engineering Services	1,168.00
Bill	12/31/2010	2010789		2010789 - Grdwtr Qual-Engineering	7103.3 - Grdwtr Qual-Engineering	281.25
Bill	12/31/2010	2010790		2010790 - Grdwtr Qual-Engineering	7103.3 - Grdwtr Qual-Engineering	2,950.00
Bill	12/31/2010	2010791		2010791 - Grdwtr Qual-Engineering	7103.3 - Grdwtr Qual-Engineering	412.50
Bill	12/31/2010	2010792		2010792 - Grdwtr Qual-Engineering	7104.3 - Grdwtr Level-Engineering	7,008.00
Bill	12/31/2010	2010793		2010793 - Grdwtr Qual-Engineering	7104.3 - Grdwtr Level-Engineering	6,281.25
Bill	12/31/2010	2010794		2010794 - Grdwtr Qual-Engineering	7104.3 - Grdwtr Level-Engineering	16.03
Bill	12/31/2010	2010795		2010795 - Grdwtr Level-Capital Equip	7104.9 - Grdwtr Level-Capital Equip	200.00
Bill	12/31/2010	2010796		2010796 - Grd Level-Engineering	7107.2 - Grd Level-Engineering	556.39
Bill	12/31/2010	2010797		2010797 - Grd Level-Engineering	7107.2 - Grd Level-Engineering	4,351.47
Bill	12/31/2010	2010798		2010798 - Grd Level-Engineering	7107.2 - Grd Level-Engineering	27.15
Bill	12/31/2010	2010799		2010799 - Grd Level-Cap Equip Exte	7107.8 - Grd Level-Cap Equip Exte	125.00
Bill	12/31/2010	2010800		2010800 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	212.50
Bill	12/31/2010	2010801		2010801 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	596.75
Bill	12/31/2010	2010802		2010802 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	450.00
Bill	12/31/2010	2010803		2010803 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	1,678.00
Bill	12/31/2010	2010804		2010804 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	156.25
Bill	12/31/2010	2010805		2010805 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	35,700.00
Bill	12/31/2010	2010806		2010806 - Grd Level-Contract Svcs	7107.6 - Grd Level-Contract Svcs	281.25
Bill	12/31/2010	2010807		2010807 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	62.50
Bill	12/31/2010	2010808		2010808 - Hydraulic Control-Engineering	7108.3 - Hydraulic Control-Engineering	4,678.25
Bill	12/31/2010	2010809		2010809 - Hydraulic Control-Contract Svcs	7108.9 - Hydraulic Control-Contract Svcs	800.00
Bill	12/31/2010	2010810		2010810 - Hydraulic Control-Contract Svcs	7108.3 - Hydraulic Control-Engineering	645.00
Bill	12/31/2010	2010811		2010811 - Recharge & Well - Engineering	7109.3 - Recharge & Well - Engineering	2,260.00
Bill	12/31/2010	2010812		2010812 - PE3&5-Engineering	7303 - PE3&5-Engineering	400.00
Bill	12/31/2010	2010813		2010813 - PE4-Engineering	7402 - PE4-Engineering	4,761.00
Bill	12/31/2010	2010814		2010814 - PE6&7-Engineering	7502 - PE6&7-Engineering	8,225.00
Bill	12/31/2010	2010815		2010815 - PE6&7-Engineering	7502 - PE6&7-Engineering	105,552.04
<b>TOTAL</b>						
<b>Total Disbursements:</b>						<b>3,012,546.82</b>

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# CHINO BASIN WATERMASTER

## IV. INFORMATION

2. Semi Annual Report July through December 2010



# Optimum Basin Management Program

Staff Status Report 2010-2: July to December 2010



CHINO BASIN WATERMASTER

Optimum Basin Management Program

## Highlighted Activities

- The December storms brought enough rains to fill all of the recharge basins. The total rainfall captured in December alone was over 7,200 acre-feet (AF). This was the a record month for rainfall and recharge.
- Watermaster is participating in the Watershed Action Plan (WAP). The WAP group is working on the new MS-4 stormwater permit implementation for San Bernardino County. One of the watershed principles is the retention of stormwater and infiltration on-site and the potential participation in a regional solution to improve water supply and quality.
- Watermaster is in the process of preparing the restated Judgment at the request of the Court. Watermaster made the current version available to the parties for their review and comment via the website.
- The transfer of three Alcoa Monitoring Wells to Watermaster has been finalized. This is part of an on-going effort to preserve the wells for the regional groundwater monitoring program.
- The proposed Chino Creek Well Field locations for Wells I-16 and I-18 by the Chino Desalter Authority (CDA) have been approved by Watermaster. Perforations will in the shallow aquifer to achieve hydraulic control and will not conflict with the Optimum Basin Management Plan (OBMP) goal to minimize or abate permanent subsidence.
- Watermaster and the Inland Empire Utilities Agency (IEUA) are working together for the creation of a 5th retention facility at the Turner Basin. Up to 175,000 cubic yards of dirt are anticipated to be removed for the Milliken Avenue Grade Separation Project funded by the City of Ontario and the San Bernardino Associated Governments (SANBAG). This represents a savings of approximately \$4.5 million.



December Storm at Victoria Basin

## Program Element 1: Develop and Implement a Comprehensive Monitoring Program

### Groundwater Level Monitoring

Watermaster initiated a comprehensive monitoring program as part of the implementation of the OBMP. The current groundwater level monitoring program is comprised of about 700 wells. At about 200 of these wells, water levels are measured by well owners, which include municipal water agencies, the California Department of Toxic Substance Control (DTSC), the County of San Bernardino, and various private consulting firms. The measurement frequency is typically about once per month. Watermaster collects these water level data quarterly. The remaining 500 wells are private wells or dedicated monitoring wells that are mainly located in the southern portion of the Chino Basin. Watermaster staff measures water levels at these wells using manual methods once per month or with

## Important Court hearings and orders

- SEPTEMBER 20—COURT OF APPEAL ORDER RE NON-AG POOL PARAGRAPH 31 MOTION OF APPEAL
- OCTOBER 8—WATERMASTER COURT HEARING, NON-AG POOL MOTION RE POOLING PLAN AMENDMENTS & RECHARGE MASTER PLAN UPDATE
- OCTOBER 11—ORDER APPROVING WATERMASTER'S COMPLIANCE WITH CONDITION SUBSEQUENT NUMBER 8 AND APPROVING PROCEDURES TO BE USED TO ALLOCATE SURPLUS AG POOL WATER IN THE EVENT OF A DECLINE IN SAFE YIELD
- NOVEMBER 29—COURT OF APPEAL ORDER RE SETTLEMENT CONFERENCE PROGRAM
- DECEMBER 6—COURT OF APPEAL ORDER SETTING TIME AND ATTENDANCE REQUIREMENTS RE SETTLEMENT CONFERENCE

# Optimum Basin Management Program

## Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

WINTER STORMS LEFT MANY OF US WITH THE MISPERCEPTION THAT SOUTHERN CALIFORNIA'S RESERVOIRS WERE FILLED THIS WINTER.

pressure transducers that record water levels once every 15 minutes. The wells in the monitoring program within the southern portion of the Basin were preferentially selected to assist in Watermaster's monitoring programs for hydraulic control, land subsidence, and desalter impacts to private well owners. The remaining wells are monitored in support of the triennial recomputation of ambient water quality in the Chino-North management zone. The water level data are checked by Watermaster staff and uploaded to a centralized relational database.

### *Groundwater Quality Monitoring*

Watermaster initiated a comprehensive monitoring program as part of the implementation of the OBMP. The groundwater quality monitoring program consists of the following four components:

1. An Annual Key Well Water Quality Monitoring Program consisting of 120 wells which are mostly privately owned agricultural wells in the southern portion of Chino Basin that are otherwise not included in an established sampling program. Twenty of these wells are sampled every year; the remaining wells are sampled every three years. The wells sampled annually are for the continuous monitoring of areas of concern associated with the southern edge of the OIA VOC plume, the southern region of the Chino Airport Plume, and the Kaiser Steel Plume which includes the two multi-port MZ-3 monitoring wells. Data obtained for the Key Well Quality Monitoring Program are used for the triennial ambient water quality analysis, hydraulic control assessment, the Biennial State of the Basin Report, and to assess the overall health of the Basin.
2. Annual sampling at nine HCMP multi-port monitoring wells strategically placed between the Chino Basin Desalter well fields and the Santa Ana River. Results of the annual sampling are used to analyze the effect of desalter pumping over time by comparing water quality of the native groundwater and the Santa Ana River.
3. Monthly sampling at four near-river wells to characterize the Santa Ana River's influence to nearby groundwater. These shallow monitoring wells along the Santa Ana River consist of two former United States Geologic Survey (USGS) National Water Quality Assessment Program (NAWQA) wells (Archibald 1 and Archibald 2), and two wells (Well 9 and Well 11) owned by the Santa Ana River Water Company (SARWC).
4. A cooperative basin-wide data collection effort known as the Chino Basin Data Collection (CBDC) program which relies on municipal producers and other government agencies to supply groundwater quality data on a cooperative basis. These sources include the Appropriators, Department of Toxic Substance Control (DTSC), Regional Water Quality Control Board (RWQCB), US Geological Survey (USGS), the Counties, and other cooperators. All water quality data are routinely collected, QA/QC'd, and loaded into Watermaster's relational database.



Watermaster field staff collecting samples for water quality monitoring

### *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 of storm and supplemental water entering the recharge

# Optimum Basin Management Program

## Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

basins. Pressure transducers or staff gauges are used to measure water levels during recharge operations. In addition to these quantity measurements, imported water quality data for State Water Project water are obtained from the Metropolitan Water District of Southern California (MWDSC) and recycled water quality data for the RP-1 and RP-4 treatment plant effluents are obtained from IEUA. 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 the 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 the 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 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 and the Watermaster/IEUA permit to recharge recycled water, Watermaster and IEUA have conducted groundwater and surface water monitoring programs since 2004. During this reporting period, Watermaster measured 414 manual water levels at private wells throughout the Chino Basin, conducted two quarterly downloads at the 43 wells containing pressure transducers, collected 49 groundwater quality samples, 154 surface water quality samples, and 40 direct discharge stream measurements. Quarterly Surface Water Monitoring Program Reports that summarize data collection efforts were submitted to the RWQCB in July and October of 2010.



Santa Ana Sucker Habitat Survey

### *Chino Basin Groundwater Recharge Program*

IEUA, Watermaster, CBWCD, and the SBCFCD 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 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 Brooks, 8th Street, Hickory, Turner, RP-3, and Ely Basins this reporting period.



# Optimum Basin Management Program

## Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

**Monitoring Activities.** Watermaster and IEUA collect weekly water quality samples from basins that are actively recharging recycled water and from lysimeters installed within those basins. During this reporting period, approximately 271 basin and lysimeter samples were collected and two recycled water samples were collected for alternative monitoring plans that include the application of a correction factor for Soil-Aquifer Treatment determined from each basin's start-up period. Monitoring wells located down-gradient of the recharge basins were sampled quarterly at a minimum, however, some monitoring wells were sampled more frequently during the reporting period for a total of 108 samples.

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

- 2Q-2010 Quarterly Report, submitted to the RWQCB – August 2010
- 3Q-2010 Quarterly Report, submitted to the RWQCB – November 2010

### Land Surface Monitoring

The MZ-1 Subsidence Management Plan (MZ-1 Plan) was approved by Watermaster in October 2007, and was approved by the Court in November 2007 which ordered its implementation (see Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1). The MZ-1 Plan calls for a number of activities with the goal of minimizing or completely abating the future occurrence of land subsidence and ground fissuring in Chino Basin. Some of these activities include:

- Continuing the scope and frequency of monitoring within the so-called Managed Area (southwest MZ-1) that was conducted during the period when the MZ-1 Plan was being developed.
- Expanding the monitoring of the aquifer system and land subsidence into other areas of MZ-1 and Chino Basin where the data indicate concern for future subsidence and ground fissuring.
- Monitoring of horizontal strain across the historical fissure zone.
- Further evaluating 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.
- Conducting additional testing and monitoring to refine the Guidance Criteria.
- Developing alternative pumping plans for the MZ-1 producers that are impacted by the MZ-1 Plan.
- Constructing and testing a lower-cost extensometer facility at Ayala Park.
- Evaluating and comparing ground-level surveying and Interferometric Synthetic Aperture Radar (InSAR), and recommending future monitoring protocols for both techniques.
- Conducting an ASR (aquifer injection and recovery) feasibility study at a production well owned by the City of Chino Hills within the Managed Area.
- Providing for recovery of groundwater levels.



MZ-1 Monument Construction & Surveying

With regard to monitoring and testing, Watermaster began or continued the implementation of some of these activities called for in the MZ-1 Plan. During this reporting period these activities included:

- The continuation of detailed water-level monitoring at wells within the Managed Area and at wells in central MZ-1. Replacement of water-level-recording transducers at wells

# Optimum Basin Management Program

## Program Element 1: Develop and Implement a Comprehensive Monitoring Program (Continued)

where these transducers have failed after about seven years of reliable service.

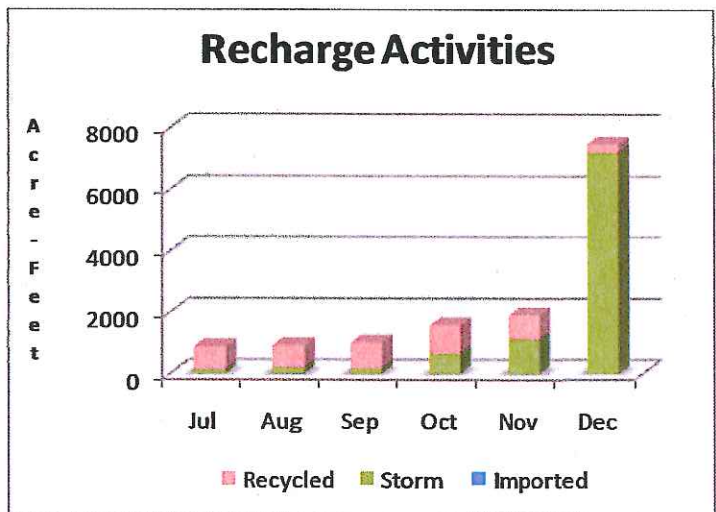
- Continuation of monitoring and maintenance at the Ayala Park Extensometer Facility. This includes monitoring at the newly installed lower-cost pair of cable extensometers within two piezometers at Ayala Park to test this technology for possible application in other parts of the Basin.
- Established a continuous internet connection to the Ayala Park Extensometer facility to facilitate a "live" data read from the PA-7 piezometer on Watermaster's website.
- Collected InSAR data from radar satellites during all six months of the reporting period, which will be analyzed for land surface displacement in early 2011.
- Performed the Fall 2010 ground-level survey across the MZ-1 Managed Area.
- Began to develop a new testing and monitoring program within and east of the Managed Area with the goals of (1) refining the Guidance Criteria, (2) confirming the existence of the Riley Barrier, (3) testing the feasibility of injection in the Managed Area, (4) better understanding the potential for subsidence and fissuring east of the Managed Area, and (5) evaluating the effect of pumping and drawdown on the fissure zone.
- Installed new survey monuments across the historical zone of ground fissuring in the summer of 2010.
- Assisted the City of Chino Hills to perform a three day pumping test at their Well 18. Before, during, and after the test, Watermaster collected vertical and horizontal strain data across the historical zone of ground fissuring. These data are being used to locate areas to install high-resolution, horizontal strain measuring devices across the fissure zone to monitoring land-surface deformation during future controlled and uncontrolled pumping in this area.

Since 2007, after considerable monitoring activities, it was determined that the land subsidence is not just isolated to MZ-1. Hence, the Board approved the formation of the Land Subsidence Committee in December 2010 and its first meeting is scheduled in January 2011.

## Program Element 2: Develop and Implement a Comprehensive Recharge Program

The theoretical average stormwater recharge capacity of the Chino Basin Facilities Improvement Program (CBFIP) facilities is about 14,000 acre-feet/yr (AFY) and the theoretical supplemental water recharge capacity is 99,000 AFY. Stormwater recharge in the second half of year ending December 31, 2010 was about 9,599 acre-feet. There was no delivery of replenishment water from the MWDSC during this reporting period. Recycled water recharge during this period were about 4,300 acre-feet. The IEUA and the Watermaster recharge permit was amended in fiscal year 2009-10 to allow for underflow dilution and extended the dilution period from a running 60 months to a running 120 months. The significance of this permit amendment was to reduce the amount of imported and storm waters required for dilution. IEUA projects that dilution requirements will likely be met through 2019-20, even if no imported water are available for dilution.

The cumulative unmet replenishment obligation (CURO) was about 8,889 acre-ft on December 31, 2010. The total



# Optimum Basin Management Program

## Program Element 2: Develop and Implement a Comprehensive Recharge Program (Continued)

amount of supplemental water recharged in MZ1 since 2005 was over 53,000 acre-feet exceeding the average annual requirement of 6,500 acre-feet.

As part of the Recharge Master Plan Implementation, MZ-3 recharge opportunities were discussed. The projects include Wineville Basin spillway and pipeline and pump station to Jurupa Basin, Jurupa Basin and RP-3 Inlet improvements. The Riverside County Flood Control and Water Conservation District is potentially looking to participate in the funding of these projects that would have a direct benefit to their service area.

## 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 million gallons per day (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).

During the reporting period, negotiations continued between the Chino Desalter Authority (CDA) and Western Municipal Water District (WMWD) to allow WMWD to join the CDA and to expand the Chino II Desalter by 10.5 MGD (11,800 AFY). The CDA approved WMWD membership in November 2008. Planning and engineering investigations related to the expansion are ongoing. Watermaster worked with the CDA parties to produce a realistic schedule approved by the RWQCB in June. Raw water will be drawn from existing CDA II wells, and possible additional new wells, if needed. In addition, a new Chino Creek Desalter Well Field, required for the hydraulic control commitment associated with Maximum Benefit, will provide additional raw water to the Chino I Desalter, enabling some existing wells to direct production to the expanded Chino II Desalter facility, if approved by the Chino Basin Desalter Authority.

## 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 (IMP) 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

## Optimum Basin Management Program

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### **Program Element 4: Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1 and Management Zone 3 (Continued)**

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 Guidance Criteria included a listing of Managed Wells and their owners subject to the criteria, a map of the so-called Managed Area, and an initial threshold water level (Guidance Level) of 245 feet below the top of the PA-7 well casing. 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 continued implementation of the MZ-1 Plan. Drawdown at the PA-7 piezometer did not fall below the Guidance Level during the reporting period, and very little, if any permanent compaction was recorded at the Ayala Park Extensometer. The ongoing monitoring program called for by the MZ-1 Plan continues to be implemented.

### **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**

#### *Water Quality Committee Meetings*

Watermaster hosted a Water Quality Committee meeting at Watermaster's offices on October 21, 2010. At the meeting, the following topics were discussed: (i) OIA VOC Plume; (ii) Chino Airport VOC Plume; (iii) Technical Advisory Committee for the ESTCP Group; (iv) CIM Monitoring Well Status; and (v) Basin Plan Amendment for HCMP.

#### *Ontario International Airport*

Watermaster continued to negotiate with the potentially responsible parties (PRPs) associated with the Ontario International Airport (OIA). The PRPs have formed a group called ABGL (Aerojet, Boeing, GE, and Lockheed). Watermaster participated in meetings with ABGL and their consultants, counsel, the Regional Board, and CDA in order to find common ground for a joint remedy for desalting and plum mitigation. Watermaster provided an updated water level and water quality database to ABGL. Watermaster uploaded the results of the June 2010 round of split samples to its database from ABGL's 12 new monitoring wells. The data were analyzed for consistency and laboratory quality control. Relative percent differences (RRDs) were calculated and showed the results to be consistent.

#### *Chino Airport*

Watermaster continued to negotiate with the County of San Bernardino, Department of Airports (County) in order to find common ground for a joint remedy for desalting and plume mitigation. Watermaster coordinated with the County and exchanged pertinent well, water level, and water quality for wells that the County has installed and for wells that Watermaster samples. Watermaster continued to pursue an alternate well location for one of the County's monitoring wells. This alternate location would still meet the County's needs, while saving Watermaster parties the cost of a new monitoring well for the HCMP. Ultimately, the County decided to retain their original well site location.

#### *California Institute for Men*

Watermaster continued to coordinate with the State on a memorandum of understanding that would allow Watermaster to continue to monitor a subset of wells on CIM.

#### *ESTCP Study*

Watermaster is participating on the Technical Advisory Committee on a study of perchlorate isotopes in the Rialto-Colton and MZ-3 Management Zones. The project is to be funded by the Environmental Security Technology Certification Program (ESTCP), which is a Department of Defense (DoD) program that promotes innovative, cost-

## Optimum Basin Management Program

### **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 (Continued)**

effective environmental technologies through demonstration and validation at DoD sites. Watermaster attended a TAC meeting and reviewed the *Well Selection Memorandum: Evaluation of Perchlorate Sources in the Rialto-Colton-Fontana Area Using Chlorine and Oxygen Stable Isotope Ratio Analysis and Depth Dependent Water Quality Data (SERDP Project ER-0942)*.

#### *Crown Coach*

Watermaster prepared comments on a technical report by AMEC Geomatrix concerning "Effectiveness of Remedial Actions, Former Crown Coach Facility, Chino, California, Regional Board Case Number 08300684T."

#### *Other Water Quality Issues*

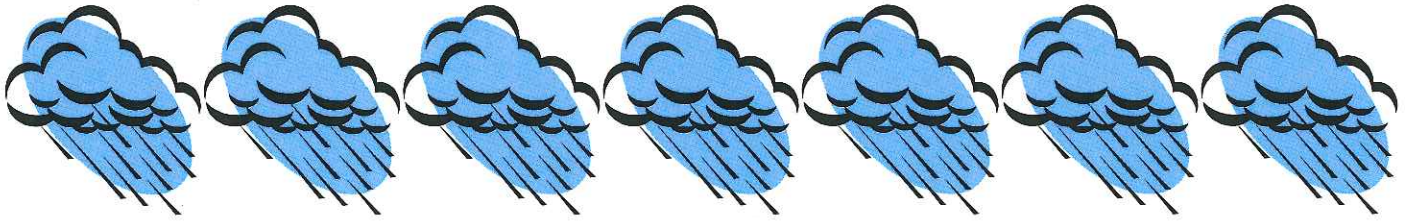
Watermaster obtained the Alumax Well Completion Reports from the Regional Board and forwarded these to IEUA. These wells are now part of Watermaster's key well monitoring program.

### **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/MWDSC Dry-Year Yield (DYY) program continued during the reporting period. All DYY program construction projects have been completed and are currently being used for DYY "take", or removal from storage. As of December 31, 2010 there were 2,030 acre-feet in the DYY storage account and this water is projected to be withdrawn during fiscal 2010-11.

In February 2008, the DYY Expansion Project was initiated by IEUA and Watermaster to evaluate increasing the DYY storage account. The purpose of the DYY Expansion Project was to determine the facilities needed to store up to 150,000 acre-feet and to recover up to 50,000 acre-feet/year. The expansion project analysis was completed in December 2008. The expansion project evaluated the technical, financial, and institutional frame work for individual projects to move forward. Negotiations to-date related to actual projects and the amount of expansion have not resulted in any planned expansion projects.

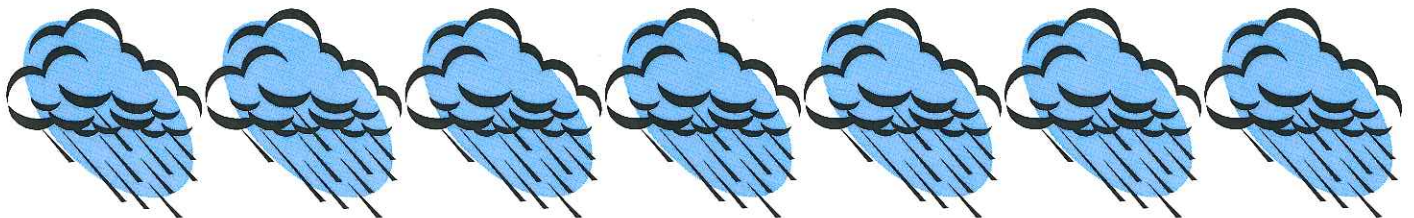
THE DEPARTMENT  
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OF  
CONTRACTORS'  
REQUESTS.



# CHINO BASIN WATERMASTER

## IV. INFORMATION

### 3. Newspaper Articles





## New director Goytia ready to learn about water issues

Wes Woods II, Staff Writer

Created: 01/06/2011 08:59:32 PM PST

CLAREMONT - Carlos Goytia is ready to learn.

The new Three Valleys Municipal Water District director said his goals while serving on the board are simple.

"I've got a lot of reading material to dig into," Goytia said. "I believe I've just barely scratched the surface."

Goytia took the oath of office Wednesday to become Three Valleys' Division I representative.

The Pomona parks and recreation commissioner, city charter commissioner and senior groundsman with the Pomona Unified School District was sworn in to office by Pomona Mayor Elliott Rothman.

Goytia was elected to the seat Nov. 2 after defeating Luis Juarez, who had been appointed in November 2009. Juarez replaced board member Xavier Alvarez, who was sent to prison after being convicted of registering an ex-wife for health benefits with the district.

Goytia said he would need more information when asked what he would do to keep the water district's rates low.

"It would be too premature," he said. "I'm being given the milk, so to speak, as a newborn. They're giving me the milk, and as I grow with Three Valleys Municipal Water District, it won't be long until I'm being fed the meat and potatoes of what it is. I'm going to take in as much information as possible. Just crash course it."

Three Valleys' board President Bob Kuhn and Vice President David DeJesus pledged their support to Goytia at Wednesday's meeting.

"I don't want you to be a tool,"

DeJesus said in response to a comment Goytia made at the meeting. "I want you to be a mouthpiece. I do believe you can achieve what you want to achieve. I believe you can be a great representative."

Kuhn and DeJesus were re-elected to the board in November.

Directors Frederick "Brian" Bowcock and Joseph T. Ruzicka were also sworn in Wednesday.

Three Valleys Municipal Water District is a public agency that supplements and enhances water supplies in a number of eastern Los Angeles County cities, including Claremont, Diamond Bar, La Verne, Pomona and San Dimas.

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## San Bernardino council approves sewer treatment rate hike

Josh Dulaney, Staff Writer

Created: 01/11/2011 04:04:16 PM PST

SAN BERNARDINO - Hold onto that dollar.

The City Council voted 4-3 Monday to approve a hike in sewer treatment rates.

Residential customers will see their monthly bills increase by \$1 a month this year and by \$1.50 in 2012.

Stacey Aldstadt, general manager of the Water Department, said the rate increase is needed to help fund roughly \$21 million in improvements brought on by an aging wastewater treatment plant and unfunded regulatory mandates from the state government.

"\$14million is in rehabilitation for very large pieces of equipment that we've had for a long time," Aldstadt said.

The increase is expected to generate an additional \$1.9million in operating revenue this year and an additional \$2.2million next year into the Water Department's Sewer Treatment Enterprise Fund.

Aldstadt said the average residential customer pays about \$20 a month on their sewer treatment bills.

The increase for commercial customers will vary according to consumption and their account classification.

Aldstadt said the revenue can also be used to meet the Water Department's fixed financial obligations during the tough economy and bring the department's sewer treatment debt coverage ratio into compliance with bond covenants that require net revenues to equal 110percent of debt service.

Councilman Chas Kelley said raising rates is the wrong thing to do to residents during a difficult economy.

"I don't believe

it's an appropriate time to be doing this," Kelley said.

He joined council members Jason Desjardins and Tobin Brinker in opposing the increase.

Councilwoman Wendy McCammack was among those who approved the rate hike.

McCammack said she voted yes because the government has forced cities to fund projects in order to meet new regulations.

"I am not happy any time costs get passed on to the taxpayer, but when the state forces our

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hand, sometimes we have no other option," McCammack said.

Council members Fred Shorett, Virginia Marquez and Rikke Van Johnson also voted for the increase.

The new rates could take effect as early as March.

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## State to toughen chromium 6 standard

Jim Steinberg, Staff Writer

Created: 01/04/2011 08:30:35 PM PST

New research documenting that young children are more susceptible than the general population to health risks from exposure to carcinogens has prompted a state agency to toughen its proposed goal for the amount of chromium 6 in drinking water.

The Office of Environmental Health Hazard Assessment now proposes that the state public health goal for chromium 6 in drinking water should be 0.02 parts per billion, instead of 0.06 parts per billion as originally proposed in an August 2009 document.

Residents of Hinkley, a community in San Bernardino County's High Desert, have been dealing with chromium 6 concerns for decades.

The public health goal is based on calculations intended to eliminate cancer risks from chromium 6 over 70 years of drinking tap water every day. That goal will be used as one of several factors in setting the legally enforceable maximum allowable amount.

The public health goal was changed because scientists who reviewed the original document said that its calculations did not sufficiently

account for chromium 6 risks in children and other special risk populations, said Sam Delson, spokesman for the agency.

The 145-page revised draft notes that human stomach acids convert ingested chromium 6 into chromium 3, which is not absorbed into the body.

But infants' stomachs are only modestly acidic for the first days to weeks after birth.

Early-in-life susceptibility to carcinogens has long been recognized

by the scientific community and clinicians as a public health concern.

Additionally, there are a variety conditions which result in reduced gastric acid production

For more than a year, California has been largely alone in wrestling with standards for chromium 6 in water.

Last month, however, following an environmental group's report on chromium 6 in municipal water supplies, the U.S. Environmental Protection Agency said it would launch a series of actions to better understand the risks of chromium 6 in water.

The federal government currently has a standard of 100 parts per billion for all chromium in water, a measurement which includes both both chromium 6 and chromium 3.

The California standard for chromium, including

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both chromium 3 and chromium 6, in water is 50 parts per billion.

Delson said the public health standard is likely to be finalized in mid-2011.

Ken August, spokesman for the California Department of Public Health, said at that point another group will begin working to establish the maximum allowable amount of chromium 6 in drinking water.

That process will consider the public health goal, but also costs for removing chromium, the practicality of detection and other issues, he said.

"By law, the maximum level may be established as close as possible to the public health goal," August said.

While it may take the public health group only six months to develop a recommended allowable amount, it will likely take more than three years to advance past comment periods and other aspects of a lengthy approval process, he said.

"That is good, I am glad to hear it," said Roberta Walker, a longtime resident of the Hinkley, when she heard about the new recommendation for a public health goal.

Hinkley residents won a landmark settlement against utility company Pacific Gas and Electric after chromium 6 was found in the community's drinking water.

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## Chino Basin desalter to get manager

Neil Nisperos, Staff Writer

Created: 01/11/2011 09:58:30 PM PST

CHINO - The regional authority responsible for removing salt from Chino Basin groundwater has appointed a new top administrator as it continues with a major expansion project and faces structural reorganization.

Curtis Paxton, now the assistant general manager and chief operating officer of the Palmdale Water District, will take the reins Jan. 24 as the first general manager of the Chino Basin Desalter Authority.

"I'm really looking forward to becoming part of the Chino Basin Desalter Authority family and strengthening the relationships between the agencies," Paxton said. "I believe that the founders of CDA had great vision, and I'm excited about partnering with the board to continue to move forward as an organization."

The authority is responsible for cleaning and desalinating Chino Basin water used by customers in Chino, Chino Hills, Ontario, Jurupa, Norco and western Riverside County. The cities and agencies that contract with the authority receive about 20 percent of their water from it.

The authority's two treatment plants will be

expanded to increase water production from 24,600 acre-feet per year to 35,200 acre-feet per year.

Officials expect the expansion work, leading to the creation of many new construction jobs, should be completed in 2014.

The \$116 million expansion cost will be shared equally among Ontario, Western Municipal Water District and the Jurupa Community Services District. The other agencies, which

elected not to help pay for the cost of the project, will not receive any of the new water produced.

"I can't speak for the individual agencies in general, but it probably has to do with having the available funds to participate and the different agencies having different water-supply needs," said Scott Burton, the assistant utilities general manager for Ontario and former desalter authority coordinator.

The agency produces 20 million to 25 million gallons of clean water daily. The completed project would produce about 35 million, officials said. Since desalination efforts began 10 years ago, about 60 percent of infrastructure for the authority has been completed.

The authority's staff has included part-time employees from the cities and water agencies that make up the desalter joint powers authority.

The changes over the new year will transition the

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agency into a stand-alone organization, with its own full-time employees, said Ontario engineer Tim Mim Mack, the coordinator of the agency.

"The reason we have a new general manager is to increase organizational efficiency," Mim Mack said. "Having only part-time staff from every supporting agency is not very efficient."

Paxton said he will work with the board to develop the new organizational structure, which may still include employees from the member agencies. Until then, the desalter authority will contract staffing from the member agencies.

"The right balance of full-time versus contract employees will be determined by the board moving forward," Burton said.

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## New guidelines for chromium 6

Jim Steinberg, Staff Writer

Created: 01/11/2011 06:53:57 PM PST

The U.S. Environmental Protection Agency issued new recommendations for public water systems across the country to monitor and test for chromium 6.

Late last year, the EPA said it was launching a series of actions to gain a better understanding of the risks of chromium 6 following a report that listed 25 cities with a proposed health limit for chromium 6 in drinking water.

For several years, California has been working to develop the nation's first limits for chromium 6 in drinking water, although the state and federal government regulate total chromium in drinking water, a measure composed of both chromium 6 and the much less toxic chromium 3.

New research suggests that infants and those with compromised immune systems or certain illnesses might be at greater risk from small amounts of chromium 6.

"EPA's guidance today is a positive step toward fully informing the public about the levels of toxic chromium-6 in their drinking water," said Sen. Barbara Boxer, D-California, in a prepared statement.

After the report on chromium 6 surfaced in city water supplies surfaced last year, several senators including Boxer and California's other senator, Diane Feinstein, said they wanted the EPA to move quickly to set an enforceable drinking water standard for chromium 6.

Boxer said she plans to introduce legislation, with Feinstein, that would set a deadline for that standard.

Robert Hills, water treatment superintendent for the Cucamonga Valley Water District in Rancho Cucamonga, said that the testing would cost his agency \$4,000 annually, if the district fully implements the guidelines.

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## Upland revokes power

Sandra Emerson, Staff Writer

Created: 01/11/2011 05:13:54 PM PST

UPLAND - The city manager is no longer has authority to settle any claims filed against the city.

The City Council agreed to rescind all claims and settlement authorizations of the city manager during Monday night's council meeting.

The decision was the result of recent speculations over a settlement made without council oversight by City Manager Robb Quincey in January 2010, authorizing the payment of \$50,000 in two installments to the police union attorney.

"In this case we had a situation where two \$25,000 payments were made to cover a personal expense and the council never got to see it, and (Monday's action is) to avoid that kind of thing," said Councilman Ray Musser.

Quincey, who was placed on paid leave of absence on Jan. 4, negotiated the settlement of a lawsuit filed by police Lt. John Moore alleging he was passed over for promotion because he investigated a domestic incident involving Quincey.

The city has refused to explain the exact reason Quincey was place on leave of absence.

Moore, who was a sergeant at the time, was promoted to lieutenant as a result of the settlement.

A resolution of existing dispute calls for the city to pay the lieutenant's attorney, Dieter D ammeier and his firm, Lackie, Dammeier & McGill \$50,000 in two installments of \$25,000.

At the time Quincey had the authority to approve settlements of up to \$25,000 without council approval. His maximum authority was increased

to \$100,000 the month after that settlement was made.

From now on, neither the city manager nor city staff will have authority to settle any tort claim or lawsuit that has been properly served upon the city, according to a staff report.

All claims will be given to the City Council for review during regular and special meetings.

The new rules apply to anyone serving as city manager. Finance Director Stephen Dunn is working as interim city manager.

Dammeier said the \$50,000 payment to his firm was for the lieutenant's settlement as well as another police-related settlement made around the same time.

The second settlement agreed to pay Upland police officers for the time they spend putting on a nd taking off their uniforms and equipment, or "donning and doffing."

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## McClatchy Washington Bureau

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Posted on Fri, Jan. 14, 2011

### New water panel chairman wants more California projects built

Michael Doyle | McClatchy Newspapers

*last updated: January 14, 2011 07:49:40 PM*

WASHINGTON — Rep. Tom McClintock, R-Elk Grove, could start making waves in California water.

As new chairman of the House water and power subcommittee, McClintock can promote his pet projects while he squeezes environmentalists. Politically, this means renewed talk of an Auburn dam, stricter scrutiny of San Joaquin River restoration and more support for hydropower.

"We need to change the central objective of our federal water and power policy, to one of abundance," McClintock said in an interview. "That means building more water projects."

In theory, McClintock's position strengthens the staunch conservative's ability to pursue his agenda. The House panel writes water legislation. It oversees spending by the Bureau of Reclamation, which operates California's Central Valley Project. It holds administration officials' feet to the fire.

In practice, McClintock's ability to convert stature into action remains an open question.

The subcommittee's other members have not yet been named, including the key position of senior Democrat. The subcommittee's staff is still being formed. McClintock said Thursday that his specific legislative agenda will be made clear over time.

McClintock has yet to show how he handles the chairman's reins. Though he's an experienced politician, first winning election to the California Assembly in 1982, persistent minority party status means the 54-year-old McClintock has never chaired a legislative panel.

"This is my 25th year as a legislator," McClintock noted, "and it's my very first week to be in the majority."

One reality check could arise over potential revival of an Auburn dam.

The long-debated proposal for a dam on the American River seemed to formally die two years ago, when the state water board revoked rights for the project estimated to cost upward of \$10 billion. McClintock, though, insists the dam could live again given the proper cost-benefit analysis.

"Ultimately, it will be constructed," McClintock said. "The only question is if it's built in time to prevent the (Sacramento flooding) calamity."

Skeptics abound, including those who wonder how much time and energy need be spent on a political long shot.

"We have to talk about that," said Rep. Doris Matsui, D-Sacramento. "We have so many other challenges facing us."

As the panel's ranking Republican last Congress, McClintock could chastise Democrats without having the responsibility for negotiating compromises or passing complicated bills.

McClintock denounced a San Joaquin River restoration bill as part of a "massive land grab." He blamed the Obama administration for creating a "man-made drought" in the Sacramento and San Joaquin valleys, and he blasted the Bureau of Reclamation for focusing on water recycling and environmental protection instead of dam building.

"I fear that this agency is becoming a pawn of the environmental left and its crusade to crush the economy of rural America through the Endangered Species Act," McClintock declared at one March 2009 hearing.

Now under Republican control, the House Natural Resource Committee visually displays its revamped priorities through its website. The committee's lead picture shows hard-hatted workers at an energy project. A dam illustrates McClintock's subcommittee.

"Anybody who takes over a chairmanship has to decide early on if they want to be a problem solver or if they are more interested in scoring political points," said Rep. Jim Costa, D-Fresno, a resources panel member who added that McClintock "has the potential to be constructive."

McClintock said he'll use his subcommittee chairmanship to target "superannuated and antiquated programs that can be eliminated." He did not identify examples, though he has repeatedly criticized water recycling efforts like one he says benefits San Francisco's "pampered and privileged residents."

McClintock said he'll conduct oversight hearings, suggesting that San Joaquin River and Klamath River restoration projects might be ripe targets.

McClintock further suggested that a "captive breeding program" might quickly build up the population of the Delta smelt fish so that farmers could receive more irrigation water from the Sacramento-San Joaquin Delta.

McClatchy Newspapers 2010

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## Top EPA water official resigns

By Ben Geman - 01/14/11 01:52 PM ET

Peter Silva, the top water quality official at the Environmental Protection Agency, is leaving EPA next month.

EPA Administrator Lisa Jackson, in a memo to staff on Friday, said Silva is stepping down as **assistant administrator for water** and will return to his home and family in California.

“During his tenure, Pete has led a wide range of important actions to help protect the water we drink and safeguard the health of millions of Americans,” Jackson said in the memo. Silva began the job in late July of 2009 after winning Senate confirmation.

Silva’s highest-profile action came this week, when he **vetoed a large mountaintop removal coal mining project** in West Virginia, which prompted cheers from green groups and outrage from industry groups and coal-state lawmakers.

Nancy Stoner, the deputy assistant administrator for the Office of Water, will fill Silva’s shoes on an acting basis while EPA seeks a replacement, Jackson said. Stoner, before coming to EPA, was a water advocate with the Natural Resources Defense Council.

Jackson also announced some other personnel moves. Joel Beauvais, a former Capitol Hill staffer, is joining EPA as senior adviser in the Office of General Counsel. He comes to EPA from the Subcommittee on Energy and Environment, a panel under the House Energy and Commerce Committee.

Rep. Edward Markey (D-Mass.) headed the subcommittee when the Democrats ran the House. Beauvais was also an adviser for the Select Committee on Energy Independence and Global Warming, which Markey led. Republicans dissolved the committee upon taking control of the House this year.

Jackson also appointed Bicky Corman as deputy associate administrator for the Office of Policy. Corman, who has worked at EPA in the past, is leaving the Government of the District of Columbia, where she was general counsel for D.C.’s Department of the Environment.

She has also been an attorney for the Justice Department’s environmental enforcement section and an environmental staffer for Sen. Frank Lautenberg (D-N.J.).

Source:

<http://thehill.com/blogs/e2-wire/677-e2-wire/138023-top-epa-water-official-resigns>

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## New guidelines for chromium 6

Jim Steinberg, Staff Writer

Created: 01/11/2011 06:53:57 PM PST

The U.S. Environmental Protection Agency issued new recommendations for public water systems across the country to monitor and test for chromium 6.

Late last year, the EPA said it was launching a series of actions to gain a better understanding of the risks of chromium 6 following a report that listed 25 cities with a proposed health limit for chromium 6 in drinking water.

For several years, California has been working to develop the nation's first limits for chromium 6 in drinking water, although the state and federal government regulate total chromium in drinking water, a measure composed of both chromium 6 and the much less toxic chromium 3.

New research suggests that infants and those with compromised immune systems or certain illnesses might be at greater risk from small amounts of chromium 6.

"EPA's guidance today is a positive step toward fully informing the public about the levels of toxic chromium-6 in their drinking water," said Sen. Barbara Boxer, D-California, in a prepared statement.

After the report on chromium 6 surfaced in city water supplies surfaced last year, several senators including Boxer and California's other senator, Diane Feinstein, said they wanted the EPA to move quickly to set an enforceable drinking water standard for chromium 6.

Boxer said she plans to introduce legislation, with Feinstein, that would set a deadline for that standard.

Robert Hills, water treatment superintendent for the Cucamonga Valley Water District in Rancho Cucamonga, said that the testing would cost his agency \$4,000 annually, if the district fully implements the guidelines.

But the board may not elect to follow the recommendations for multiple annual monitoring of surface water because that source is free of chromium 6 and is not vulnerable to industrial pollution, he said.

Some of the district's groundwater has some naturally occurring chromium 6, and like the surface water, is not vulnerable to industrial pollution, Hills said.

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## Chino Basin desalter to get manager

Neil Nisperos, Staff Writer

Created: 01/11/2011 09:58:30 PM PST

CHINO - The regional authority responsible for removing salt from Chino Basin groundwater has appointed a new top administrator as it continues with a major expansion project and faces structural reorganization.

Curtis Paxton, now the assistant general manager and chief operating officer of the Palmdale Water District, will take the reins Jan. 24 as the first general manager of the Chino Basin Desalter Authority.

"I'm really looking forward to becoming part of the Chino Basin Desalter Authority family and strengthening the relationships between the agencies," Paxton said. "I believe that the founders of CDA had great vision, and I'm excited about partnering with the board to continue to move forward as an organization."

The authority is responsible for cleaning and desalinating Chino Basin water used by customers in Chino, Chino Hills, Ontario, Jurupa, Norco and western Riverside County. The cities and agencies that contract with the authority receive about 20 percent of their water from it.

The authority's two treatment plants will be

expanded to increase water production from 24,600 acre-feet per year to 35,200 acre-feet per year.

Officials expect the expansion work, leading to the creation of many new construction jobs, should be completed in 2014.

The \$116 million expansion cost will be shared equally among Ontario, Western Municipal Water District and the Jurupa Community Services District. The other agencies, which

elected not to help pay for the cost of the project, will not receive any of the new water produced.

"I can't speak for the individual agencies in general, but it probably has to do with having the available funds to participate and the different agencies having different water-supply needs," said Scott Burton, the assistant utilities general manager for Ontario and former desalter authority coordinator.

The agency produces 20 million to 25 million gallons of clean water daily. The completed project would produce about 35 million, officials said. Since desalination efforts began 10 years ago, about 60 percent of infrastructure for the authority has been completed.

The authority's staff has included part-time employees from the cities and water agencies that make up the desalter joint powers authority.

The changes over the new year will transition the

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agency into a stand-alone organization, with its own full-time employees, said Ontario engineer Tim Mim Mack, the coordinator of the agency.

"The reason we have a new general manager is to increase organizational efficiency," Mim Mack said. "Having only part-time staff from every supporting agency is not very efficient."

Paxton said he will work with the board to develop the new organizational structure, which may still include employees from the member agencies. Until then, the desalter authority will contract staffing from the member agencies.

"The right balance of full-time versus contract employees will be determined by the board moving forward," Burton said.

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## Conservation call coming

James Figueroa, Staff Writer

Created: 01/18/2011 08:39:31 PM PST

Eastern Los Angeles County residents will be asked to take drastic water conservation steps in March because of the 10-day closure of a La Verne treatment plant.

The Metropolitan Water District is planning a seismic retrofit of its F.E. Weymouth Treatment Plant from March 18-27.

The Weymouth plant is a major water supplier for foothill communities from La Crescenta to Claremont.

The biggest impact will be felt in Pasadena, Rowland Heights and Diamond Bar, which rely on MWD for more than half their water.

Customers, already accustomed to drought restrictions, will be asked to curtail all outdoor watering during the shutdown and make other adjustments.

The Rowland and Walnut Valley water districts are completely reliant on MWD because there are no alternative groundwater sources nearby.

The water is distributed by Three Valleys Municipal Water District, which serves the

northeast corner of Los Angeles County and includes the Weymouth plant within its boundaries.

"It's going to have a huge impact," said Ken Hansen, Three Valleys general manager.

Additional water could come from the Miramar Water and Hydroelectric Facility, which can process 25 million gallons per day and has two 8 million gallon reservoirs.

"We're going to be able to give them a little water, but I don't know if we'll meet their typical demand," Hansen said.

Much of the impact from the shutdown is likely to hinge on March's

weather. MWD usually schedules shutdowns during the rainy season, when there is less demand.

"We had an extraordinarily wet early part of the season, that's setting a nice trend," MWD spokesman Bob Muir said.

But forecasters have predicted a dry La Niña winter, which could put even greater pressure on the water supply.

"If we have a middle of March like the week we've had in January in the 70s and 80s, for a week or two ahead of the shutdown, that's going to be problematic," Hansen said.

Pasadena, which usually uses about 250 million

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gallons over a 10-day period, expects to have only 150 million during the shutdown.

The city's conservation efforts will be strict, including enforcement patrols to watch for anyone watering outdoors, including drip systems and hand watering.

Water agencies are preparing big conservation campaigns in late February and early March, including advertisements and notices in bills.

Agencies are waiting until just before the shutdown to make a big public relations push to ensure the message is fresh in the public's mind.

"People might react at first and then forget about it," Muir said.

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## Recycled water plan on tap for the region

Wendy Leung, Staff Writer  
Inland Valley Daily Bulletin

Posted: 01/23/2011 09:21:28 PM PST

RANCHO CUCAMONGA - The Inland Valley will soon see a lot of purple.

A \$27 million recycled water project affecting Upland, Ontario and Rancho Cucamonga is under way.

When the Inland Empire Utilities Agency finishes construction later this fall, facilities such as the San Antonio Community Hospital in Upland and Red Hill Park in Rancho Cucamonga will use recycled water for its outdoor irrigation.

Marked by purple pipes, recycled water is waste water that has been treated and purified for irrigation or industrial use.

More and more water agencies envision purple pipes on the horizon, because other sources such as imported water from Northern California can be costly and unreliable.

"Recycled water is obviously a reliable, future resource of water," said John Bosler, director of operations and engineering at the Cucamonga Valley Water District. "We're trying to increase the percentage being used. But the infrastructure takes a long time and can be costly."

In the northeast part of Rancho Cucamonga, construction of a recycled water project is complete with plans to hook up the purple pipes by April 1.

When that happens, irrigation for large water users like The Epicenter and Victoria Gardens in Rancho Cucamonga will utilize recycled water.

"Once the projects are completed, it'll free up additional water, and the need to purchase imported water will decrease," said Kathy Tieg, who serves on the CVWD board. "I'm a definite advocate of recycled water."

Construction of the current project will include a pump station at Ontario's Vineyard Park and a 3million gallon reservoir on 19th and Sapphire streets in Rancho Cucamonga.

The project will benefit parks, schools, golf courses, center medians and other landscaped areas.

IEUA and CVWD are also contemplating building infrastructure for recycled water in Chino, Chino Hills and the Village of Heritage development in Fontana.

For questions about lane closures, traffic impact and work hours related to the construction of the recycled water project, call the IEUA hot line at 909-993-1501.

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### Street closures coming

Single lane closures are expected in segments of area streets during a \$27 million recycled water project.

The streets:

In Ontario, portions of Sixth Street, Glenn Avenue, Seventh Street, Del Norte Avenue, Eighth Street, Grove Avenue, Ninth Street, 11th Street and Hospital Parkway.

In Upland, portions of Hospital Parkway, Foothill Boulevard, Oakwood, 14th Street, Campus Avenue and 16th Street.

In Rancho Cucamonga, the areas near 19th and Sapphire streets, Sixth Street at Vineyard Park and 16th Street at Base Line.

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**Water conservation**

## Flowing with the times

Liset Marquez, Staff Writer

Posted: 01/22/2011 09:59:47 PM PST

ONTARIO - When city officials recently switched over to recycled water to irrigate five city parks, it marked the latest in a 15-year effort to use water more wisely.

And in the past five years, the city has increased its efforts to expand the delivery of recycled water for landscape irrigation, industrial purposes and agricultural uses.

The non-potable recycled water distribution system is completely separate from the city's drinking water distribution system and uses purple pipes to distinguish it from the potable system.

The goal is to increase the use of recycled water to 20 percent of the total water demand by the year 2035, which is the expected build out of the city, said Mohamed El-Amamy, utilities general manager for Ontario.

It will require the city, along with cooperation of local businesses, to build 89 miles of recycled water pipelines.

Working toward that goal is the city's 5-year capital improvement program, which includes

projects to construct 14 miles of recycled water pipelines at a cost of \$14 million.

Those lines will deliver 2.7 million gallons per day of recycled water for irrigation purposes, El-Amamy said.

"(We need) to make the best use of available water resources, increase the reliability of the city's water supplies and reduce the cost of water to the city's residents and businesses," he said.

The city recently completed converting the irrigation systems for five city parks to use recycled water: Anthony Mu oz, Ontario Motor Speedway, John Galvin, Grove Memorial and Vineyard parks.

It will save enough to serve 450 households, said Scott Burton, interim assistant Utilities general manager for Ontario.

The cost of converting the five parks, \$61,874, was paid for using a grant in partnership with the Chino Basin Water Conservation District, he said.

The annual savings to irrigate the five parks using recycled water instead of potable water is \$100,000, Burton said.

"Our long-term goal is we're trying to conserve, reduce our dependence, gradually, on potable water," he said.

And while the city has devoted efforts to

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increasing its recycled water resources, it is also focused on replenishing its potable water sources, Burton said.

In 2008, city officials purchased the former Sunkist factory with the intention of acquiring its water rights, said Councilman Jim Bowman, who has been heavily involved in water issues. He serves on the Chino Basin Desalter Authority, Chino Basin Watermaster Board and several other water boards.

"We bought the Sunkist plant but the real value is in the stock and shares of water," he said.

The move secured 1,851 acre-feet of water annually for the city. An acre-foot of water is generally the amount of water used by a family of four over a year.

And in order to manage water for 170,000 residents and additional 50,000 people who either work or visit Ontario on a daily basis, the city has set up a system using a room on Bon View Avenue. There, city employees can monitor all the city's water wells to make sure they aren't too low, Bowman said.

"That's a significant amount of water and it's very important to plan for the future," Bowman said.

The city began the capital improvements in 2007. The following year, it completed the first phase of the water system expansion program with the installation of 1.5 miles of recycled water pipelines at the Toyota Parts Distribution Center

on Jurupa Avenue.

Toyota uses an estimated 39 million gallons of water per year or enough water to supply the water needs of 250 households for one year.

In 2009, the city constructed lateral pipelines off a regional recycled water pipeline in order to bring recycled water to large water-use customers for landscape irrigation.

There are 178 recycled water connections in the city, making up about 5 percent of the total water demand.

About 1.9 million gallons a day is provided using recycled water for landscape irrigation and some industrial uses, he said.

There were only 10 recycled water connections before 2007, El-Amamy said.

City officials are working with a manufacturer, the largest water consumer in the city at 1 million gallons a day, to switch to recycled water, Bowman said

"We've recognized water is a tremendous value today and in the future. By going to recycled water we can extend our clean water availability," he said.

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## Sewer rate hike eyed

Mediha Fejzagic DiMartino, Staff Writer

Posted: 01/23/2011 07:01:55 AM PST

Despite its belt-tightening measures, a local wastewater treatment agency is considering raising sewer rates this summer.

For residents, the hike will equal another \$5 poured down the drain each year.

In order to offset a decline in property tax revenue, and a 2percent drop in its customer base, Inland Empire Utilities Agency proposed a 41-cent increase in fees it charges local cities to take care of their wastewater.

New connection fees, usually paid by developers, would go up to \$4,862 - a \$96 increase.

If it garners approval from IEUA's board of directors, the proposed hike will go into effect July 1, and result in bringing in \$1.2 million in revenue in fiscal year 2011-2012.

The agency projects raising wastewater rates for several years ahead, with 90cents tacked on in fiscal year 2012-2013 followed by 30-cent increases for each of the next three years.

"The rate increase was discussed last year, and it's reasonable," said Mohamed El-Amamy, Ontario's utilities general manager, who on Thursday attended a budget workshop put on by

the IEUA.

"A delay would mean a bigger jump next year, which would be a harder sell."

For instance, the monthly sewage bill charged to Ontario residents includes IEUA's share of \$11.14, and about \$10 the city charges for its wastewater management services.

"It's tough for our residents these days," El-Amamy said. "When you add it all up - trash, water, sewer - they pay a

whole bunch of fees."

IEUA decided to raise the rates only after doing its best to contain the costs, said Thomas Love, the agency's chief executive officer.

IEUA slashed its workforce by 12 percent since 2007 and reduced overtime pay by 60 percent. It also minimized its borrowing cost, saving \$4.9 million on its variable rate bonds since 2008.

All nonessential projects were deferred, adding \$218 million in savings.

While deciding on the rate increase, IEUA projected "no significant improvement in the economy over the next two fiscal years," with an additional 1 percent decline in property tax revenue. Love said the agency is also facing a 4 percent increase in its pension fund contribution and a 10 percent increase in health insurance costs.

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"We all have had some loss of revenue as much as you do," said Chino Councilman Earl Elrod as Love fielded questions from the audience. "Chino dipped into its reserves, so we did not raise fees. We have to be able to sell this to the public."

According to the state Legislative Analyst Office, for any fee increase to be transferred on to the residents, local governments must mail information regarding the proposed fee to every property owner. They also have to hold a public hearing, at least 45 days in advance - a requirement under Proposition 218, which was passed in 1996.


The proposed fee is rejected if written protests are presented by a majority of the property owners.

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## Second round for Baca's perchlorate legislation

Joe Nelson, Staff Writer

Created: 01/06/2011 03:38:59 PM PST

Rep. Joe Baca, D-San Bernardino, on Thursday introduced legislation directing the secretary of the interior to conduct a study of perchlorate contamination in the Inland Empire.

Under Baca's Inland Empire Perchlorate Ground Water Plume Assessment Act, the U.S. Geological Survey would be required to conduct a study of the Rialto-Colton Basin, with emphasis on the perchlorate-contaminated plume in Rialto.

For years, traces of the rocket fuel additive, also used in the manufacture of fireworks, have shown up in the groundwater supply, spurring a growing level of concern.

"Left alone, the perchlorate-contaminated plume in Rialto could continue to travel underground - contaminating more wells and compromising the health of the inland area," Baca said in a statement Thursday.

The legislation calls for the study to be paid for by discretionary funding from the USGS budget.

Perchlorate, a naturally occurring and man-made chemical, can interfere with iodide uptake into the thyroid gland, thereby affecting metabolism

and brain development in fetuses and children.

Its presence in Rialto dates back to World War II, when the U.S. military stored ammunition and other perchlorate-containing equipment in the city.

Baca sponsored the same legislation in the previous Congress, where it earned bipartisan support, said Baca spokesman John Lowery.

"We're hopeful it can carry over in that bipartisan support this year," he said.

The bill will now go before various House committees, including the Committee on Water and Power.

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