



# ***Inland Empire Utilities Agency***

## ***2012/13 RECYCLED WATER ANNUAL REPORT***

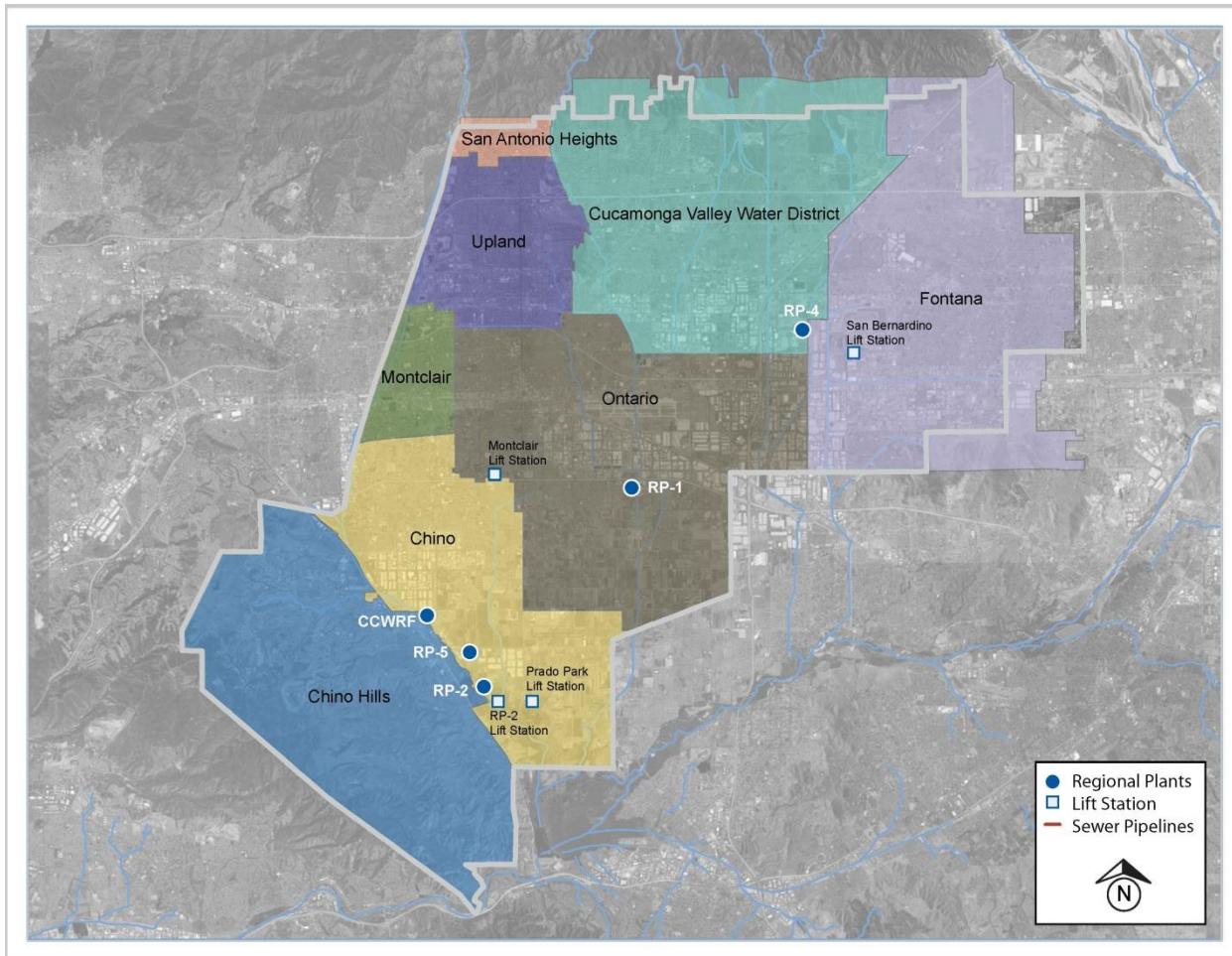
Water Smart ~ Thinking in Terms of Tomorrow

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## OVERVIEW

The Inland Empire Utilities Agency (IEUA) owns and operates five water recycling treatment facilities, of which four produce recycled water. These facilities serve over 850,000 people in seven cities. IEUA serves its seven member agencies: Cities of Chino, Chino Hills, Fontana, Montclair, Ontario and Upland and Cucamonga Valley Water District.



**Figure 1 – IEUA Service Area**

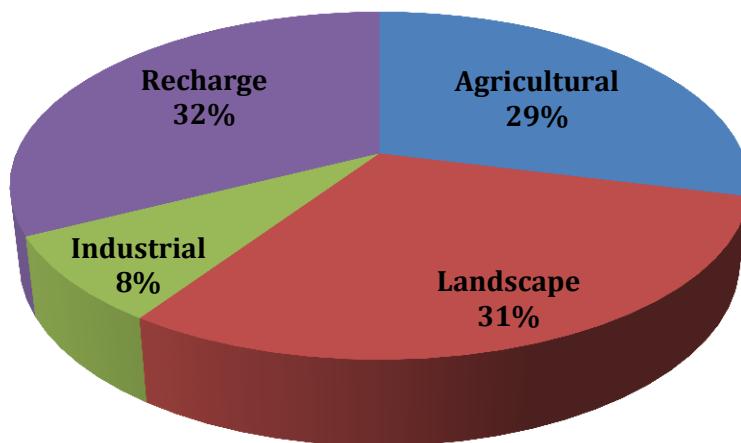
### RECYCLED WATER SALES:

During the fiscal year 2012/13, the average recycled water supply from IEUA's facilities was approximately 53 million gallons per day (MGD). Annual Recycled water demand for direct use and recharge purposes was approximately 54 percent of the available supply. During the summer peak months, the daily recycled water demand is over 70 percent of the available supply.

Of the 53 MGD or 59,360 AFY of recycled water produced during the fiscal year, 32,319 acre feet per year (AFY) were beneficially reused for a variety of applications including landscape irrigation, agricultural irrigation, industrial process water, and groundwater recharge. The usage is categorized in Table 1.

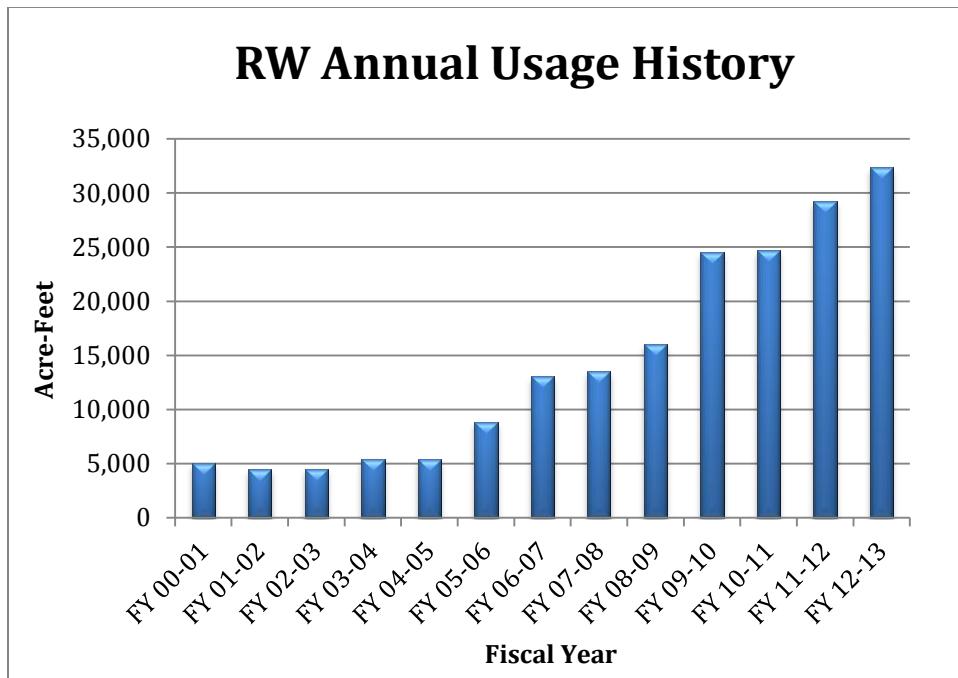
Type of Usage	Demand for FY 12/13 (AFY)
Agricultural	9,331
Construction	62
Industrial	2,609
Landscape	9,838
Recharge	10,479
<b>Total Demand (AFY):</b>	<b>32,319</b>

*Table 1 – Annual Usage per customer usage type*



*Figure 2 – Customer Type Usage Breakout by Percentage*

Recycled water sales during FY 2012/13 were over 32,319 acre-feet (AF), an increase by over ten percent from the previous fiscal year's sales. A summary of the history of the recycled water sales is provided in Figure 3 below.

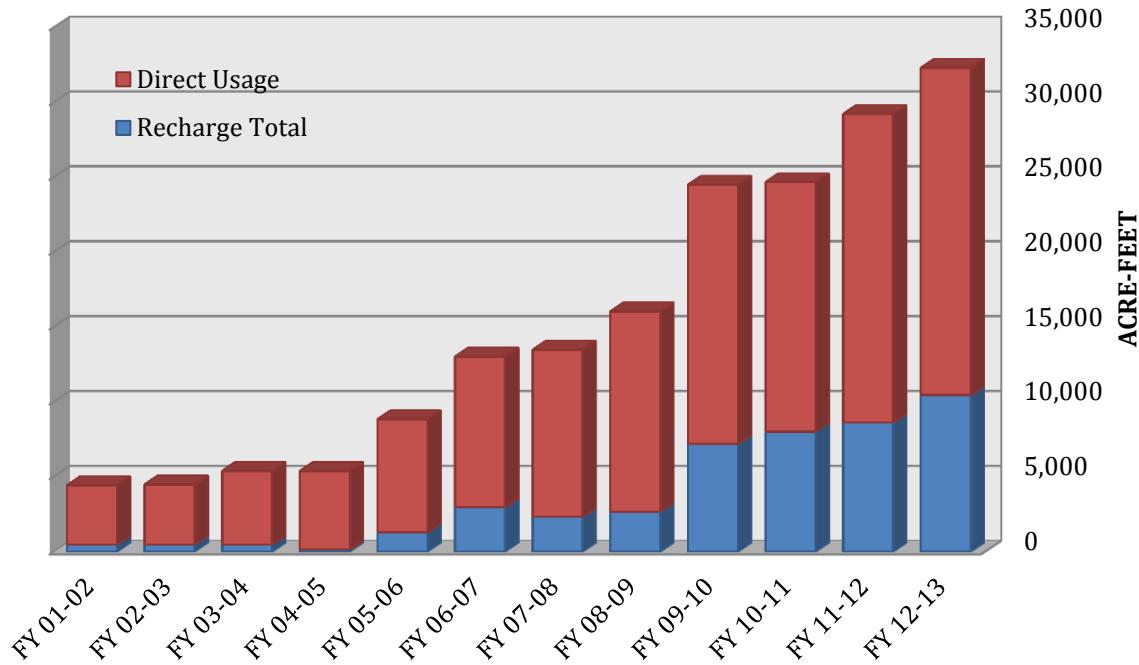


**Figure 3 -Historic Annual Usage in Acre-foot**

During FY 2012/13, over 66 new users, with a new connected demand of 1,037 AFY were connected to the recycled water system. Connected demand is the anticipated annual usage based on acreage of land and previous potable water usage history. The steady increase in the recycled water customers to the distribution system could be attributed to the aggressive Three Year Business Plan that was launched by the Agency in 2007, with support from its Member Agencies. The recycled water and effluent monitoring and compliance data is provided in Appendices A to B. The history of the recycled water users and associated demand for the fiscal year is provided as Appendix C.

The amount of groundwater recharged every year varies based on different factors, mostly depending on the amount and timing of rainfall, and maintenance activities in the basins. Summary of groundwater recharge and direct use sales of recycled water is provided in Figure 4.

## Direct Reuse Vs. Groundwater Recharge



**Figure 4 – Historical Comparison of Direct Usage vs. Groundwater Recharge**

The top ten largest direct reuse sites, excluding groundwater recharge, for the fiscal year are provided below:

SITE	TYPE OF USE	ACRE-FEET
Cleveland Farm	Agricultural	1,259
Cal Poly Pomona	Agricultural	1,113
El Prado Park	Landscape	1,093
CW Farms	Agricultural	900
Temple Inland Paper	Industrial	891
Weststeyn Dairy	Agricultural	859
Nyenhius Dairy	Agricultural	838
Whispering Lakes Golf Course	Landscape	735
CW Farms III	Agricultural	680
Genon Energy Plant	Industrial	677
<b>TOTAL USE</b>		<b>9,046</b>

**Table 2 – IEUA's Top 10 Customers for FY 2012/13 Usage**

## ECONOMIC AND ENVIRONMENTAL IMPACTS

The wholesale rate for recycled water to IEUA's member agencies from July 2012 to June 2013 was \$155/AF for direct usage and \$195/AF for recharge. Table 4 in the 'Retail Purveyors' section of the report compares selected potable water rates and recycled water rates, illustrating the savings realized by the end users.

The 32,319 AFY of recycled water reused during the fiscal year is the equivalent of the water supply for roughly 64,600 homes. The use of locally produced recycled water reduces the need to pump State Project water over the Tehachapi Mountains at a net energy demand reduction of 2,657 kilowatt-hours (kWh) per acre-foot, or an overall reduction of approximately 79 percent in carbon dioxide emissions.

## SUMMARY

Of the 59,360 AFY wastewater treated, 100% met the most stringent Department of Public Health Title-22 water quality standards. 32,319 AFY was used for direct sales or groundwater recharge. Over 66 new sites were connected during the fiscal year, with an additional connected demand of 1,037 AFY for the fiscal year.

Final effluent quality for each of the Agency's treatment plants are provided in Appendix A thru B. All of the current recycled water users and their usage are presented in Appendix C.

## HISTORY

Early water recycling efforts in the 1970s by the Agency involved the Whispering Lakes Golf Course adjacent to RP-1 in Ontario and El Prado Park and Golf Course in Chino. In the 1980s, recycled water continued to be an integral part of IEUA planning with implementation of the Carbon Canyon Water Recycling Facility (CCWRF) and Regional Plant No. 4 (RP-4). These two recycling plants were sited specifically at higher elevations to reduce recycled water pumping costs. A backbone distribution system was installed in Chino and Chino Hills from CCWRF in 1997 and was initially operated by IEUA under Ordinance No. 63. This system was later turned over to the City of Chino and the City of Chino Hills and forms the core of the recycled water distribution network operated by these two cities.

The first major Regional pipeline was constructed in 1995 and served the dual purpose of a regional recycled water distribution pipeline and an outfall allowing RP-4 effluent to be discharged with RP-1 effluent in Cucamonga Creek. The RP-4 Outfall was designed as a pressurized system so that water could be pumped from RP-1 to RP-4 as well as flow in the opposite direction.

In the late 1990's, IEUA began to implement groundwater recharge with recycled water at Ely Basin. The initial Ely Basin project was followed by the Chino Basin Watermaster's (CBWM) development of the Optimum Basin Management Program (OBMP) and the regions efforts (including IEUA) to implement the OBMP. Ordinance No. 69 was adopted in May 2000.

The IEUA Board of Directors also adopted Ordinance No. 75 in 2002, the Agencies Mandatory Use Ordinance. Also in 2002, the CBWM, Chino Basin Water Conservation District (CBWCD), the San Bernardino County Flood Control District (SBCFCD) and IEUA joined forces to greatly expand groundwater recharge capacity. The surface spreading operation significantly enhances storm water conservation and replenishment with imported and recycled water. Intense focus continues today on developing the recycled water supply. In December, 2007, the IEUA Board of Directors approved an aggressive Three Year Business Plan that calls for 50,000 acre feet of connected demand of recycled water by 2013.

## TREATMENT PLANTS

The Agency owns and operates five regional water recycling facilities: Regional Plant No.1 (RP-1), Regional Plant No. 2 (RP-2), Regional Plant No. 4 (RP-4), Regional Plant No. 5 (RP-5), and Carbon Canyon Water Reclamation Facility (CCWRF). Of the treatment plants, RP-2 does not have any liquid treatment processes, and as such does not produce any recycled water. The combined capacity of the remaining four plants is 84 MGD.

### ***Regional Water Recycling Plant No. 1***



Regional Water Recycling Plant No. 1 (RP-1) is located in the City of Ontario near the intersection of California State Route 60 and Archibald Avenue. This facility was originally commissioned in 1948 and has undergone several expansions to increase the design of wastewater treatment capacity to the current 44.0 MGD and Biosolids treatment capacity equivalent to a wastewater flow rate of 60.0 MGD. This facility serves the Cities of Ontario, Rancho Cucamonga, Upland, Montclair, Fontana and an unincorporated area of San Bernardino County.

### **Plant Description**

RP-1 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include preliminary and primary treatment, primary effluent flow equalization and diversion, secondary treatment, tertiary treatment and biosolids treatment as illustrated in the figure below.

**Plant Capacity:**

**44.0 MGD**

**Influent Flow:**

**27.1 MGD**

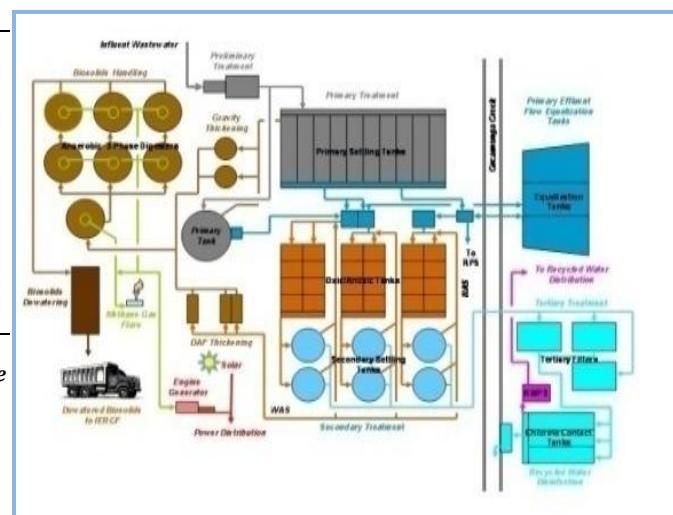
**Water Reused:**

**24.2 MGD\***

**Creek Discharge:**

**12.7 MGD\***

\*RP-1 and RP-4 have a combined effluent; therefore, the usage and creek discharge reported are for the two plants combined



## ***Regional Water Recycling Plant No. 4 (RP-4)***



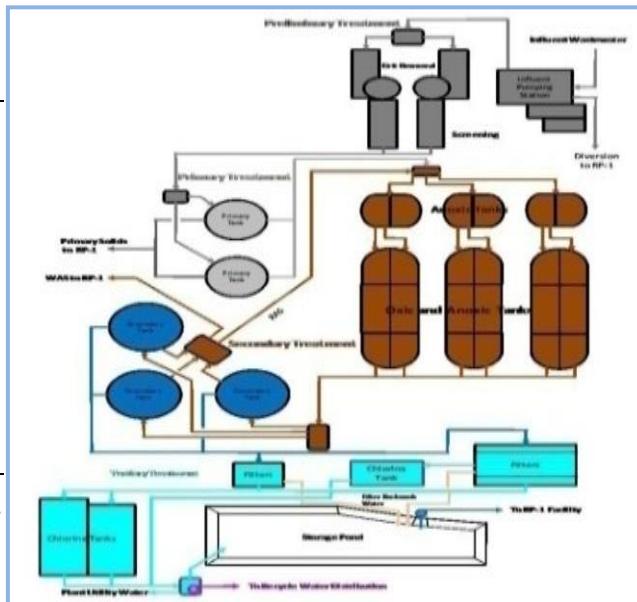
Located in the City of Rancho Cucamonga, the Regional Water Recycling Plant No. 4 (RP-4) has been in operation and producing recycled water since 1997. RP-4 treats an average flow of 11 million gallons per day and is operated in conjunction with RP-1 to provide recycled water to users. The RP-4 facility was recently expanded from its capacity of 7 MGD to 14 MGD. This facility serves portions of Rancho Cucamonga, Fontana and unincorporated areas of San Bernardino County.

## Plant Description

RP-4 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, secondary treatment and tertiary treatment as illustrated in the figure below. Tertiary water that is not utilized for direct sales or groundwater recharge is discharged to the creek at RP-1 from RP-4.

<i><b>Plant Capacity:</b></i>	<b>14.0 MGD</b>
<i><b>Influent Flow:</b></i>	<b>9.8 MGD</b>
<i><b>Water Reused:</b></i>	<b>24.2 MGD*</b>
<i><b>Creek Discharge:</b></i>	<b>12.7 MGD*</b>

*\*RP-1 and RP-4 have a combined effluent; therefore, the usage and creek discharge reported are for the two plants combined.*



## **Carbon Canyon Water Recycling Facility (CCWRF)**

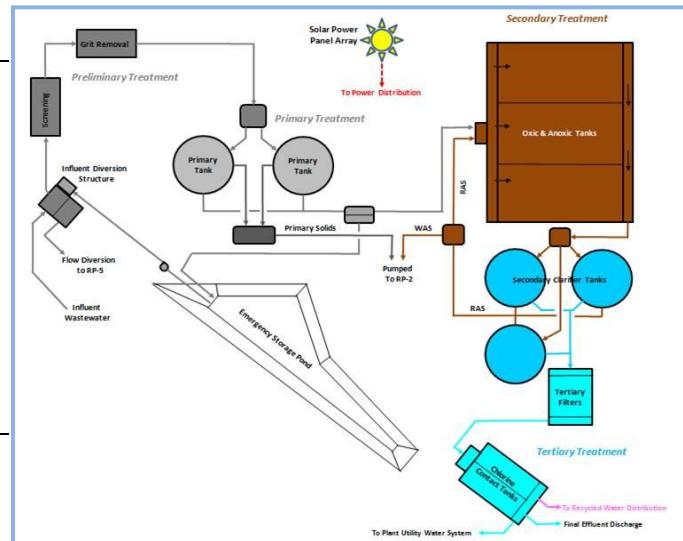


Carbon Canyon Water Recycling Facility (CCWRF), located in the City of Chino, has been in operation since May 1992. The \$46-million facility works in tandem with Regional Plant No. 2 (RP-2) and serves the areas of Chino, Chino Hills, Montclair and Upland. Liquids are treated at CCWRF, while the solids removed from the waste flow are treated at RP-2. CCWRF treats an annual average flow of 9.5 MGD.

### **Plant Description**

CCWRF includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, primary effluent flow diversion, secondary treatment and tertiary treatment as illustrated in the figure below.

<b>Plant Capacity:</b>	<b>11.4 MGD</b>
<b>Influent Flow:</b>	<b>7.5 MGD</b>
<b>Water Reused:</b>	<b>3.0 MGD</b>
<b>Creek Discharge:</b>	<b>4.5 MGD</b>



## **Regional Water Recycling Plant No. 5 (RP-5)**



Regional Water Recycling Plant No. 5 (RP-5), located in the City of Chino, has been in operation since March 2004. RP-5 serves the areas of Chino, Chino Hills, Montclair, Ontario, and Upland. Liquids are treated at RP-5, while the solids removed from the waste flow are treated at RP-2. RP-5 treats an annual average flow of 12 MGD.

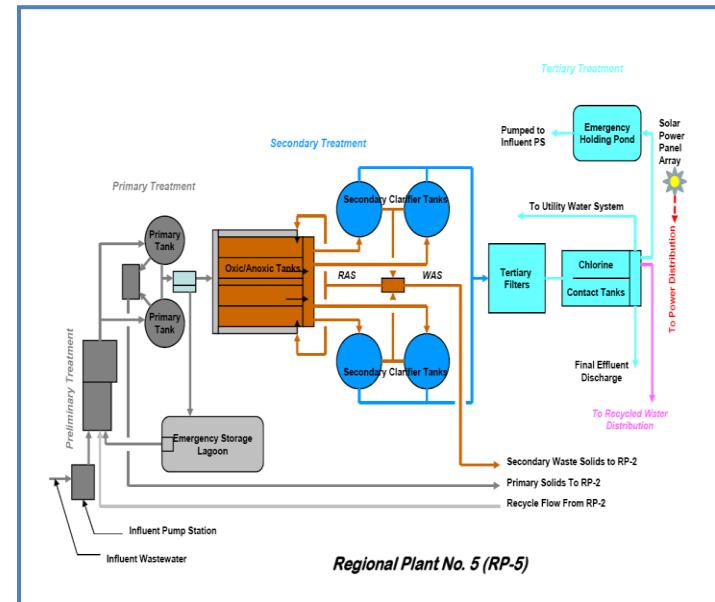
### **Plant Description**

RP-5 includes several treatment processes that contribute to providing quality recycled water pursuant to the State of California Title 22 regulations. The major treatment processes include raw wastewater pumping, preliminary and primary treatment, secondary treatment, and tertiary treatment as illustrated in the figure below.

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<b>Plant Capacity:</b>	<b>15.0 MGD</b>
<b>Influent Flow:</b>	<b>8.2 MGD</b>
<b>Water Reused:</b>	<b>2.0 MGD</b>
<b>Creek Discharge:</b>	<b>6.2 MGD</b>

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## CURRENT RECYCLED WATER CAPITAL PROGRAM

The IEUA currently produces over 53 million gallons per day of recycled water, and there are several projects under way to expand the use of recycled water within its service area. These projects and the location of the capital projects are shown in Table 4. Details of the projects that were in design or construction during FY 2012/13 are summarized below.

**Table 3 – FY 2012-2013 Capital Project Summary**

Completed Projects	Location	Project Cost	Grants	Schedule
Total Completed Projects		\$146 M	\$28 M	

Projects in Design/Construction	Location	Project Cost	Grants	Schedule
Southern Area Projects	Chino & Chino Hills	\$28 M	\$4 M	Spring 2014
Central Area Projects	Ontario & Fontana	\$28M	\$4 M	Summer 2014
Local Laterals & Retrofits	IEUA Service Area	\$10 M	\$1M	Pending Funding
Total Projects Design/Construction		\$66 M	\$9 M	
<b>TOTAL IEUA RW Projects</b>		<b>\$212 M</b>	<b>\$37 M</b>	

## PROJECTS COMPLETED IN FY 2012/13

The **1630 West Pump Station** project is located at Vineyard Park in the City of Ontario near Sixth Street and Baker Ave. The pump station will utilize three 250 horsepower pumps to boost recycled water from the 1299 pressure zone to the 1630 zone.

The **1630 West Recycled Water Pipeline - Segment C** consists of the construction of approximately 7,700 linear feet of 30-inch diameter and 800 linear feet of 24-inch diameter recycled water pipeline that will convey recycled water from the terminus of the 1630 West Recycled Water Pipeline, Segment B, to the 1630 West Recycled Water Reservoir Site and Red Hill Park in the City of Rancho Cucamonga. The 1630 West Recycled Water Pipeline, Segment C, is the third portion of the Regional Pipeline that will serve as the backbone to transport water from the 1299 Pressure Zone to the 1630 Pressure Zone.

The **1630 West Recycled Water Reservoir** project consists of the construction of one three (3) million gallon recycled water reservoir at the existing CWWD site located at the northwest corner of the intersection of 19<sup>th</sup> and Sapphire Streets.

The **Temporary Turner Basin Turnout** project will be constructed to supply additional water to the basins in the short term by installing a 4 inch PVC pipeline. The project design and construction schedule is much shorter than the permanent solution and will allow supplemental water to be supplied to the basins while the permanent facility is being designed and constructed.

## PROJECTS IN CONSTRUCTION IN FY 2012/13

**Southern Area:** The project includes recycled water pipeline and reservoir in the 930 pressure zone in the southern service area, primarily serving the cities of Chino, Chino Hills and Ontario. An agreement with the City of Chino Hills for IEUA to purchase 2.0 million gallons (MG) of storage capacity has been executed. The permits and future rights to access the facilities were obtained with the exception to the easements from the City of Chino Hills.

The **930 Recycled Water Reservoir and Pipeline** project consists of the construction of a five (5) MG reservoir located within the corporate limits of Chino Hills and the feeder line approximately 12,500 feet in total length from the proposed reservoir to an existing connection point located at the northwest quadrant of the San Antonio Channel Crossing and Chino Hills Parkway.

**Status:** *The construction completion for both projects is tentatively scheduled late March 2014.*

**CCWRF Recycled Water Pump Station Expansion:** The CCWRF recycled water pump station will be expanded to increase their overall pumping capacity from 8 MGD to 14 MGD.

**Status:** *The startup of the Southern Area Projects is tentatively scheduled to be for April 2014.*

## PROJECTS IN DESIGN DURING FY 2012/13

**Central Area:** The Central Area Recycled Water Project includes Wineville Recycled Water Pipeline Extension and Ground Water Recharge (GWR) & Recycled Water (RW) SCADA System Upgrades.

The **Wineville Extension Recycled Water Pipeline** includes 4.6 miles of 36 inch pipe which will primarily build the Regional Recycled Water distribution system in the southern part of the City of Fontana and the eastern part of the City of Ontario. The pipeline will allow for the connection of commercial, industrial customers, parks and schools within the cities of Ontario and Fontana and also utilize RP-3 and Declez Basins for Recycled Water recharge. The project would beneficially increase recycled water use between 3,000 to 4,500 AFY.

***Status: Final Design. Expected project completion is Fall 2014.***

The **GWR & RW SCADA System Upgrades-** A new communication network backbone for the Agency has just been installed. This project is required to bring GWR and RW facilities onto the new agency communication backbone. The current system is overloaded and the GWR and RW sites need to be transitioned to the new system. This project will also transition the RP-5 RW Pump Station SCADA system to Rockwell Automation and onto the RW SCADA system. The scope for this project includes radio path surveys for the GWR and RW stations, procurement, installation and programming of new hardware and software. The upgrades are consistent with the recommendations as provided in the RW SCADA Master Plan.

***Status: Project Evaluation phase. Design completion is anticipated for June 2015.***

**Turner Basin Turnout Projects** – The Turner Basins are capable of receiving up to 10 cubic feet per second of recycled water flow for ground water recharge. The existing recycled water recharge facilities at the Turner Basins are not capable of fully utilizing the basins potential. The **Turner Basin Turnout Capacity Improvements** project is the long term, permanent solution to the recharge limitations at the Turner Basins. The turnout will be approximately 200 linear feet of 20 inch steel pipe and supply 10 cubic feet per second of water to the basins. An automated control valve and flow metering will also be provided. In order to equally supply all 4 of the recharge basins at the site a bypass must also be constructed underneath the Deer Creek Channel.

***Status: Construction. Startup expected to be completed during Fall 2014.***

## FUTURE REUSE PROJECTS

IEUA and its Member Agencies will make every effort to use available recycled water wherever appropriate, as well as make an effort to increase the use of recycled water within the agencies' boundaries. By committing to the Three Year Business Plan, the implementation of recycled water projects will be coordinated with all agencies within the Chino Basin area. This will increase the delivery of recycled water quickly to ensure reliable supplies to avoid shortages to residents and customers. This will allow IEUA and its Member Agencies to continue to provide a reliable water supply to its customers in the future when shortages of imported supplies could be over a multiple year period.

Several recycled water distribution projects throughout the Agency's service area are in various stages of development. The projects will allow for the expanded use of recycled water in the range of 5,000 AFY.

## RETAIL PURVEYORS

IEUA is the wholesale recycled water provider to its Member Agencies, who in turn are the retail agencies that directly serve its customers. The member agencies at present which serve recycled water to its customers include:

- City of Chino
- City of Chino Hills
- City of Ontario
- Cucamonga Valley Water District
- Monte Vista Water District
- City of Fontana

Cities of Upland and Fontana have not yet started recycled water deliveries to their customers, and therefore have not yet established rates for recycled water.

IEUA's wholesale recycled water rate to its member agencies for FY 2012/13 was \$155/AF for direct usage and \$195/AF for recharge between the months of July 2012 to June 2013. The retail agencies' recycled water rates during FY 2012/2013 are summarized below in Table 4.

**Table 4 – Purveyor Water Rate Survey FY 2012/13**

<b>City of Ontario</b>			
	<u>Usage (HCF)</u>	<u>Rate</u>	
Potable Water	Up to 15	\$2.25	
		\$2.83	
	Over 15	\$2.61	
Recycled Water	Up to 1000	\$1.35	
	Over 1000	\$1.24	

<b>City of Chino</b>			
	<u>Usage Type</u>	<u>Usage (HCF)</u>	<u>Rate</u>
Potable Water	All	1	\$1.61
Recycled Water	General	1	\$1.13
	Agricultural	1	\$0.56

<b>City of Chino Hills</b>			
	<u>Zone</u>	<u>Usage (HCF)</u>	<u>Rate</u>
Potable Water	Low	0-12	\$1.72
		13-30	\$1.96
		30-Higher	\$2.74
Potable Water	Interim	0-12	\$1.86
		13-30	\$2.10
		30-Higher	\$3.10
Potable Water	High	0-12	\$2.08
		13-30	\$2.32
		35-Higher	\$3.10
Recycled Water	Low	0-12	\$1.64
	Interim	13-30	\$1.76
	High	30-Higher	\$1.93
	Temporary	N/A	\$1.98
	Agriculture	N/A	\$0.85

<b>MVWD</b>			
	<u>Tier</u>	<u>Usage (HCF)</u>	<u>Rate</u>
Potable Water	1	1	\$1.70
	2	1	\$2.04
	3	1	\$2.85
	4	1	\$4.76
Recycled Water	N/A	1	\$1.50

CVWD		
	<u>Usage (HCF)</u>	<u>Rate</u>
Potable Water	Tier 1 (0-10)	\$1.46
	Tier 2 (11-40)	\$1.72
	Tier 3 (41-100)	\$2.05
	Tier 4 (>100)	\$2.35
Recycled Water		\$1.42

## APPENDICES A & B

Recycled Water and Effluent Monitoring  
and Compliance Data

Inland Empire Utilities Agency  
 Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

**RP-1 (M-001A\* & M-001B) Effluent Monitoring Data**

**Table No. 3a**

	Flow												EC			pH			BOD <sub>5</sub>				TSS				TOC			TDS			TIN			TN			NH <sub>3</sub> -N (grab)		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max						
Date	MGD			μmhos/cm			unit			mg/L			%	mg/L			%	mg/L			mg/L			mg/L			mg/L			mg/L											
Limit>>>							6.5 -8.5			20			15	20			15																4.5								
Jan-12	2.5	1.4	3.1	712	602	753	7.1	6.5	7.4	<2	<2	2	0.5	<2	<2	<2	0.3	6.7	5.6	8.8	456	438	472	7.3	6.1	8.5	8.7	8.2	9.7	<0.1	<0.1	<0.1									
Feb-12	1.4	0.4	1.9	800	744	1,174	7.0	6.6	7.2	<2	<2	2	0.7	<2	<2	<2	0.6	6.2	5.3	7.8	466	454	477	7.2	6.1	8.0	8.2	7.5	8.8	<0.1	<0.1	<0.1									
Mar-12	1.7	1.0	4.1	791	729	847	7.1	6.9	7.2	<2	<2	2	0.4	<2	<2	<2	0.4	5.9	5.3	6.8	488	463	509	6.6	5.6	7.6	7.7	7.3	8.2	<0.1	<0.1	<0.1									
Apr-12	2.7	1.4	4.0	806	750	877	7.2	6.9	7.3	<2	<2	<2	0.3	<2	<2	<2	0.3	6.2	5.4	7.2	485	468	500	8.4	6.5	11.5	9.6	7.5	12.3	<0.1	<0.1	<0.1									
May-12	2.6	0.8	7.6	791	178	880	7.2	6.8	7.4	<2	<2	<2	0.5	<2	<2	<2	0.4	6.2	5.7	6.9	503	498	514	7.6	6.3	10.3	8.8	8.1	9.7	<0.1	<0.1	<0.1									
Jun-12	2.2	0.8	5.8	879	828	928	7.2	7.0	7.4	<2	<2	<2	0.5	<2	<2	<2	0.5	5.8	5.2	7.5	527	512	538	6.8	4.5	8.0	7.9	6.9	9.0	<0.1	<0.1	<0.1									
Jul-12	1.5	0.9	3.0	864	600	908	7.2	6.8	7.7	<2	<2	<2	0.5	<2	<2	<2	0.5	5.5	4.5	6.6	514	496	526	5.6	4.7	6.7	6.3	5.2	7.3	<0.1	<0.1	<0.1									
Aug-12	2.3	0.6	3.4	845	806	871	7.3	7.1	7.5	<2	<2	<2	0.5	<2	<2	<2	0.5	5.3	4.8	8.3	503	488	522	5.2	3.5	7.0	5.7	5.1	6.7	<0.1	<0.1	<0.1									
Sep-12	2.0	0.9	4.0	858	794	933	7.3	6.7	7.9	<2	<2	<2	0.5	<2	<2	<2	0.5	5.3	4.8	5.8	532	498	550	5.6	3.9	7.3	6.2	4.5	7.8	<0.1	<0.1	<0.1									
Oct-12	2.1	0.5	3.0	853	815	895	7.3	6.7	7.5	<2	<2	<2	0.5	<2	<2	<2	0.5	5.4	4.8	6.0	525	522	530	4.8	2.5	6.9	6.2	4.6	7.5	<0.1	<0.1	<0.1									
Nov-12	2.9	1.5	4.4	772	726	816	7.3	6.6	8.0	<2	<2	3	0.4	<2	<2	<2	0.4	5.1	4.6	5.8	502	468	526	6.4	4.5	7.6	7.3	6.9	7.7	<0.1	<0.1	<0.1									
Dec-12	4.4	2.9	4.5	802	718	838	7.2	6.5	7.3	<2	<2	3	0.4	<2	<2	<2	0.4	6.1	4.9	6.9	487	468	510	5.9	4.3	7.7	7.3	5.5	9.0	<0.1	<0.1	<0.1									
Avg	2.3	1.1	4.1	814	691	893	7.2	6.8	7.5	<2	<2	2	0.5	<2	<2	<2	0.4	5.8	5.1	7.0	499	481	515	6.4	4.9	8.1	7.5	6.5	8.6	<0.1	<0.1	<0.1									
Min	1.4	0.4	1.9	712	178	753	7.0	6.5	7.2	<2	<2	<2	0.3	<2	<2	<2	0.3	5.1	4.5	5.8	456	438	472	4.8	2.5	6.7	5.7	4.5	6.7	<0.1	<0.1	<0.1									
Max	4.4	2.9	7.6	879	828	1,174	7.3	7.1	8.0	<2	<2	3	0.7	<2	<2	3	0.6	6.7	5.7	8.8	532	522	550	8.4	6.5	11.5	9.6	8.2	12.3	<0.1	<0.1	<0.1									

\*M-001A is the compliance point for continuous monitoring parameters, TDS, and toxicity.

**RP-1/RP-4 (M-002A) Effluent Monitoring Data**

**Table No. 3b**

	Flow												EC			pH			BOD <sub>5</sub>				TSS				TOC			TDS			TIN			TN			NH <sub>3</sub> -N (grab)		
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max						
Date	MGD			μmhos/cm			unit			mg/L			%	mg/L			%	mg/L			%	mg/L			mg/L			mg/L			mg/L			mg/L							
Limit>>>							6.5 -8.5			20			15	20			15																4.5								
Jan-12	12.3	4.0	25.8	737	684	783	7.0	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.3	5.8	5.5	6.3	457	440	470	7.0	5.5	8.6	8.9	7.9	10.3	<0.1	<0.1	<0.1									
Feb-12	13.4	4.6	24.7	790	763	823	7.0	6.9	7.2	<2	<2	2	0.7	<2	<2	<2	0.6	5.6	4.8	6.4	472	462	484	7.3	5.7	8.0	8.9	8.7	9.1	<0.1	<0.1	<0.1									
Mar-12	17.4	6.7	35.7	785	733	822	7.0	6.8	7.1	<2	<2	2	0.4	<2	<2	<2	0.4	5.6	5.0	6.4	493	477	521	6.4	5.5	7.5	7.1	6.4	7.7	<0.1	<0.1	<0.1									
Apr-12	12.6	5.9	24.4	805	771	856	7.0	6.6	7.1	<2	<2	<2	0.3	<2	<2	<2	0.4	5.7	5.1	6.6	498	474	520	8.3	6.5	11.4	9.1	8.3	10.3	<0.1	<0.1	<0.1									
May-12	6.0	2.5	12.9	849	749	1,010	7.0	6.6	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	6.0	5.5	7.3	499	476	516	6.7	4.3	10.4	6.4	6.4	6.4	<0.1	<0.1	0.3									
Jun-12	4.8	2.2	9.7	892	807	930	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	5.5	5.0	6.3	494	486	504	6.5	4.5	8.1	6.8	6.0	7.5	<0.1	<0.1	<0.1									
Jul-12	5.3	1.6	13.2	843	766	933	7.1	6.8	7.3	<2	<2	<2	0.5	<2	<2	<2	0.5	5.3	4.3	6.4	487	438	510	5.8	4.3	7.1	6.5	5.4	7.2	<0.1	<0.1	<0.1									
Aug-12	5.4	1.3	12.3	845	748	920	7.1	6.7	7.6	<2	<2	<2	0.6	<2	<2	<2	0.5	4.9	4.5	5.4	469	454	484	4.8	3.2	6.2	5.8	5.5	6.0	<0.1	<0.1	<0.1									
Sep-12	9.3	4.5	15.4	830	771	924	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	<2	0.5	5.1	4.8	5.7	472	462	488	4.9	2.8	7.6	5.2														

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**Table No. 3c**

	RP-5 (M-003) Effluent Monitoring Data																		TDS			TIN			TN		NH <sub>3</sub> -N (grab)					
	Flow			EC			pH			BOD <sub>5</sub>				TSS			TOC		TDS			TIN			TN		NH <sub>3</sub> -N (grab)					
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max			
Date	MGD			μmhos/cm			unit			mg/L				%			mg/L		%			mg/L		mg/L			mg/L		mg/L			
Limit>>>							6.5 - 8.5			20				15			20		15								4.5					
Jan-12	10.3	8.2	12.6	961	891	1,226	7.0	6.6	7.3	<2	<2	3	0.8	<2	<2	3	0.6	4.3	3.9	5.6	517	486	558	6.5	4.9	7.8	7.1	5.6	8.0	<0.1	<0.1	0.3
Feb-12	10.8	8.5	12.1	970	920	1,075	7.1	7.0	7.2	<2	<2	<2	0.9	<2	<2	5	1.2	4.6	4.1	5.9	524	497	534	6.9	5.8	7.6	8.6	8.4	8.8	<0.1	<0.1	0.1
Mar-12	10.5	8.0	12.1	1,026	980	1,056	6.9	6.6	7.1	<2	<2	<2	0.7	<2	<2	4	0.8	4.6	4.4	5.1	546	532	574	7.8	5.8	11.2	8.4	8.0	8.7	<0.1	<0.1	<0.1
Apr-12	10.7	8.7	12.8	1,052	994	1,112	6.8	6.6	7.0	<2	<2	<2	0.6	2	<2	4	1.0	4.4	4.0	4.9	539	526	566	7.5	6.3	9.5	9.0	8.7	9.3	0.2	<0.1	0.3
May-12	5.7	0.0	10.3	1,079	946	1,114	6.9	6.6	7.0	<2	<2	<2	0.7	2	<2	4	0.9	4.3	3.7	4.7	542	536	548	7.1	5.7	8.1	8.5	8.5	8.5	<0.1	<0.1	0.2
Jun-12	0.2	0.0	2.0	940	865	1,049	6.8	6.6	7.1	<2	<2	2	0.7	2	<2	4	1.1	4.5	4.0	5.4	546	546	546	6.2	3.6	10.5	4.4	4.4	4.4	<0.1	<0.1	<0.1
Jul-12	0.8	0.0	2.7	1,025	959	1,075	6.7	6.5	7.0	<2	<2	<2	0.6	<2	<2	4	0.7	4.3	2.9	5.0	556	534	572	6.4	5.3	7.6	7.1	7.1	7.1	<0.1	<0.1	<0.1
Aug-12	0.4	0.0	1.8	1,005	949	1,066	7.0	6.5	7.4	<2	<2	<2	0.6	<3	<2	17	1.0	4.5	4.1	5.0	553	534	588	6.1	5.2	7.2	6.0	5.7	6.3	<0.1	<0.1	<0.1
Sep-12	1.1	0.0	5.1	1,001	967	1,095	7.1	6.9	7.3	<2	<2	<2	0.7	<2	<2	6	1.1	4.6	4.2	5.1	532	526	538	6.9	5.5	8.9	6.5	6.5	6.5	<0.1	<0.1	<0.1
Oct-12	4.8	3.4	9.0	1,013	960	1,121	7.2	6.8	7.4	<2	<2	<2	0.8	<2	<2	4	1.6	4.1	3.6	4.7	528	522	540	5.9	0.6	6.6	8.0	7.8	8.2	<0.1	<0.1	<0.1
Nov-12	9.1	7.2	10.7	942	912	992	7.2	7.1	7.3	<2	<2	<2	0.6	3	<2	10	1.4	4.3	3.6	7.3	513	500	530	6.9	5.4	7.7	8.5	7.6	9.4	<0.1	<0.1	<0.1
Dec-12	9.7	8.7	10.5	891	856	927	7.3	7.2	7.4	<2	<2	<2	0.6	3	<2	10	1.6	4.0	3.4	4.5	511	492	522	7.3	5.9	9.0	7.7	6.7	8.8	<0.5	<0.1	1.8
Avg	6.2	4.4	8.5	992	933	1,076	7.0	6.7	7.2	<2	<2	<2	0.7	<2	<2	6	1.1	4.4	3.8	5.3	534	519	551	6.8	5.0	8.5	7.5	7.1	7.8	<0.1	<0.1	<0.3
Min	0.2	0.0	1.8	891	856	927	6.7	6.5	7.0	<2	<2	<2	0.6	<2	<2	3	0.6	4.0	2.9	4.5	511	486	522	5.9	0.6	6.6	4.4	4.4	4.4	<0.1	<0.1	<0.1
Max	10.8	8.7	12.8	1,079	994	1,226	7.3	7.2	7.4	<2	<2	3	0.9	3	<2	17	1.6	4.6	4.4	7.3	556	546	588	7.8	6.3	11.2	9.0	8.7	9.4	<0.5	<0.1	1.8

**Table No. 3d**

	CCWRF (M-004) Effluent Monitoring Data																		TDS			TIN			TN		NH <sub>3</sub> -N (grab)					
	Flow			EC			pH			BOD <sub>5</sub>				TSS			TOC		TDS			TIN			TN		NH <sub>3</sub> -N (grab)					
	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg Dis	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max			
Date	MGD			μmhos/cm			unit			mg/L				%			mg/L		%			mg/L		mg/L			mg/L		mg/L			
Limit>>>							6.5 - 8.5			20				15			20		15								4.5					
Jan-12	6.9	4.5	8.7	794	732	866	7.1	6.9	7.2	<2	<2	2	0.7	<2	<2	5	1.6	4.5	4.0	7.7	503	488	510	4.9	4.0	6.0	6.0	5.4	6.7	<0.1	<0.1	<0.1
Feb-12	6.6	4.7	8.6	881	846	936	7.1	7.0	7.3	<2	<2	<2	0.8	<2	<2	8	1.6	4.6	3.9	7.2	509	499	520	5.2	4.6	6.2	6.2	6.0	6.4	<0.1	<0.1	<0.1
Mar-12	5.5	3.5	7.1	928	858	970	7.2	6.9	7.3	<2	<2	<2	0.4	<2	<2	2	0.6	5.0	4.5	5.8	526	510	549	5.5	4.8	6.6	6.5	6.0	6.9	<0.1	<0.1	<0.1
Apr-12	5.3	3.7	7.1	947	882	991	7.2	7.0	8.0	<2	<2	<2	0.3	<2	<2	2	0.3	4.7	4.4	5.4	518	512	534	4.2	3.1	5.9	5.2	4.0	6.7	<0.1	<0.1	<0.1
May-12	3.6	3.3	5.6	906	879	987	7.1	6.8	7.2	<2	<2	<2	0.4	<2	<2	3	0.5	5.2	4.3	5.8	524	498	540	3.9	3.3	4.9	5.2	4.6	5.7	<0.1	<0.1	<0.1
Jun-12	3.4	3.0	4.2	877	795	940	7.0	6.8	7.3	<2	<2	<2	0.5	<2	<2	2	0.6	5.3	4.7	5.9	545	508	632	4.1	3.4	4.9	5.0	4.2	5.8	<0.1	<0.1	<0.1
Jul-12	2.6	1.9	3.0	847	560	912	7.0	6.5	7.2	<2	<2	<2	0.5	<2	<2	4	0.6	5.0	3.4	6.6	530	518	542	4.4	3.2	5.7	5.7	5.0	7.1	<0.1	<0.1	<0.1
Aug-12	1.6	1.0	3.1	819	487	890	7.0	6.7	7.2	<2	<2	<2	0.5	<2	<2	2	0.6	4.5	4.1	5.6	511	498	530	3.9	3.3	5.1	4.1	4.0	4.3	<0.1	<0.1	<0.1
Sep-12	1.5	1.0	4.1	885	864	906	7.0	6.7	7.3	<2	<2	<2	0.5	<2	<2	2	0.5	4.6	4.3	5.0	522	516	530	4.5	3.9	5.2	4.8	4.3	5.3	<0.1	<0.1	<0.1
Oct-12	5.0	1.6	7.3	902	873	966	7.1	6.8	7.2	<2	<2	<2	0.5	<2	<2	3	0.6	4.2	3.9	4.7	529	520	540	4.8	3.7	5.4	6.0	5.2	6.7	<0.1	<0.1	<0.1
Nov-12	5.2	3.4	7.5	893	848	924	7.0	6.9	7.2	<2	<2	<2	0.5	<2	<2	2</																

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RP-1 (M-001A) Effluent Monthly Toxicity Data

Table No. 4a

CHRONIC TOXICITY - SURVIVAL <i>(Ceriodaphnia Dubia)</i>				CHRONIC TOXICITY - REPRODUCTION <i>(Ceriodaphnia dubia)</i>				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC <sub>25</sub>
01/15/12	thru	01/21/12	100	1.0	1.0	100	1.0	1.0
02/12/12	thru	02/18/12	100	1.0	1.0	70	1.4	1.2
02/26/12	thru	03/03/12	100	1.0	1.0	80	1.3	1.3
03/11/12	thru	03/17/12	100	1.0	1.0	60	1.7	1.4
03/25/12	thru	03/30/12	100	1.0	1.0	100	1.0	1.3
04/08/12	thru	04/15/12	100	1.0	1.0	100	1.0	1.0
05/06/12	thru	05/12/12	100	1.0	1.0	100	1.0	1.0
06/10/12	thru	06/15/12	100	1.0	1.0	100	1.0	1.0
07/08/12	thru	07/14/12	100	1.0	1.0	100	1.0	1.0
08/19/12	thru	08/25/12	100	1.0	1.0	100	1.0	1.0
09/02/12	thru	09/08/12	100	1.0	1.0	100	1.0	1.0
09/30/12	thru	10/06/12	100	1.0	1.0	100	1.0	100
11/04/12	thru	11/09/12	100	1.0	1.0	100	1.0	100
12/02/12	thru	12/08/12	100	1.0	1.0	100	1.0	100

RP-1/RP-4 (M-002A) Effluent Monthly Toxicity Data

Table No. 4b

CHRONIC TOXICITY - SURVIVAL <i>(Ceriodaphnia Dubia)</i>				CHRONIC TOXICITY - REPRODUCTION <i>(Ceriodaphnia dubia)</i>				
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc	NOEC	TUc	2-Mo Median TUc	IC <sub>25</sub>
01/01/12	thru	01/06/12	100	1.0	1.0	100	1.0	1.0
01/15/12	thru	01/21/12	100	1.0	1.0	100	1.0	1.1
02/05/12	thru	02/11/12	100	1.0	1.0	90	1.1	1.0
02/19/12	thru	02/26/12			QC Failure			
03/04/12	thru	03/10/12	100	1.0	1.0	100	1.0	1.1
03/18/12	thru	03/24/12	100	1.0	1.0	100	1.0	1.0
04/22/12	thru	04/28/12	100	1.0	1.0	100	1.0	1.0
05/06/12	thru	05/12/12	100	1.0	1.0	100	1.0	1.0
06/10/12	thru	06/15/12	100	1.0	1.0	100	1.0	1.0
07/29/12	thru	08/04/12	100	1.0	1.0	100	1.0	1.0
08/19/12	thru	08/24/12	100	1.0	1.0	100	1.0	1.0
09/09/12	thru	09/15/12	100	1.0	1.0	100	1.0	1.0
10/14/12*	thru	10/20/12	100	1.0	1.0	100	1.0	1.0
11/11/12	thru	11/18/12	100	1.0	1.0	100	1.0	1.0
12/09/12	thru	12/15/12	100	1.0	1.0	100	1.0	1.0
12/10/12**	thru	12/14/12	100	1.0	1.0	100	1.0	100

\* Failed PMSD Test Acceptability Criteria due to low variability, test results are acceptable.

\*\* Annual split sample with MBC Laboratory

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RP-5 (M-003) Effluent Monthly Toxicity Data

Table No. 4c

CHRONIC TOXICITY - SURVIVAL <i>(Ceriodaphnia Dubia)</i>								CHRONIC TOXICITY - REPRODUCTION <i>(Ceriodaphnia dubia)</i>			
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc		NOEC	TUc	2-Mo Median TUc		IC <sub>25</sub>	
01/01/12	thru	01/06/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
02/19/12	thru	02/26/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
03/11/12	thru	03/17/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
04/15/12	thru	04/21/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
04/29/12	thru	05/05/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
07/08/12	thru	07/14/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
10/14/12*	thru	10/20/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
11/04/12	thru	11/09/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
12/02/12	thru	12/08/12	100	1.0	1.0	100	1.0	1.0	1.0	100	

CCWRF (M-004) Effluent Monthly Toxicity Data

Table No. 4d

CHRONIC TOXICITY - SURVIVAL <i>(Ceriodaphnia Dubia)</i>								CHRONIC TOXICITY - REPRODUCTION <i>(Ceriodaphnia dubia)</i>			
START DATE	END DATE	NOEC	TUc	2-Mo Median TUc		NOEC	TUc	2-Mo Median TUc		IC <sub>25</sub>	
01/06/12	thru	01/14/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
02/05/12	thru	02/11/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
03/04/12	thru	03/10/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
04/01/12	thru	04/06/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
05/13/12	thru	05/19/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
06/03/12	thru	06/09/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
07/22/12	thru	07/28/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
08/11/12	thru	08/17/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
09/16/12	thru	09/21/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
10/21/12	thru	10/27/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
11/18/12	thru	11/23/12	100	1.0	1.0	100	1.0	1.0	1.0	100	
12/16/12	thru	12/22/12	100	1.0	1.0	100	1.0	1.0	1.0	100	

\* Failed PMSD Test Acceptability Criteria due to low variability, test results are acceptable.

\*\* Annual split sample with MBC Laboratory

## Inland Empire Utilities Agency

### Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

**RP-1 (M-001A & M-001B) & RP-1/RP-4 (M-002A) Effluent Monitoring and Coliform Data**

**Table No. 5a**

	001 Turbidity		002 Turbidity		001 Temp		002 Temp		001 Daily Coliform		001 7-day Median		002 Daily Coliform*		002 7-day Median		001 FLR	001 DT	001 CT	002 FLR	002 DT	002 CT		
	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Max	Min	Min	Max	Min	Min		
Date	NTU		NTU		°C		°C		MPN / 100 mL										gpm/ft <sup>2</sup>	min	mg-min/L	gpm/ft <sup>3</sup>	min	mg-min/L
Jan-12	0.8	1.0	0.6	2.6	22.6	23.5	22.3	22.8	<2	4	<2	2	<2	4	<2	2	4	140	561	4	135	592		
Feb-12	0.7	0.9	0.6	0.8	23.2	25.8	22.1	22.6	<2	8	<2	<2	<2	8	<2	<2	3	165	621	3	165	652		
Mar-12	0.7	1.1	0.6	1.5	23.2	26.4	22.5	23.2	<2	13	<2	<2	<2	13	<2	<2	4	145	580	4	136	617		
Apr-12	0.8	1.3	0.7	2.5	24.1	25.3	23.8	25.0	<2	4	<2	2	<2	4	<2	2	3	169	624	3	157	662		
May-12	1.0	1.2	0.7	0.9	26.0	27.1	25.8	26.7	<2	2	<2	<2	<2	2	<2	<2	4	156	593	4	154	502		
Jun-12	0.8	1.1	0.6	2.2	27.4	27.9	27.3	28.0	<2	4	<2	2	<2	4	<2	2	4	157	583	4	137	598		
Jul-12	0.7	0.9	0.5	1.3	28.3	29.2	28.6	29.1	<2	2	<2	<2	<2	2	<2	<2	4	153	586	4	152	655		
Aug-12	1.1	1.4	0.5	0.7	29.9	30.3	29.8	30.3	<2	2	<2	<2	<2	2	<2	<2	3	163	634	3	158	643		
Sep-12	1.1	1.5	0.5	0.7	29.6	30.1	29.8	30.2	<2	<2	<2	<2	<2	<2	<2	<2	3	162	590	3	149	612		
Oct-12	0.9	1.5	0.5	3.5	28.2	29.6	28.4	29.8	<2	2	<2	<2	<2	2	<2	<2	4	157	623	4	144	542		
Nov-12	0.5	0.7	0.5	0.7	26.4	27.5	26.0	27.2	<2	4	<2	<2	<2	4	<2	<2	3	151	567	3	142	601		
Dec-12	0.5	1.0	0.6	1.0	24.1	25.9	23.8	25.3	<2	4	<2	<2	<2	4	<2	<2	3	159	600	3	133	636		
Avg	0.8	1.1	0.6	1.5	26.1	27.4	25.8	26.7	<2	4	<2	<2	<2	4	<2	<2	4	156	598	4	147	609		
Min	0.5	0.7	0.5	0.7	22.6	23.5	22.1	22.6	<2	<2	<2	<2	<2	<2	<2	<2	3	140	561	3	133	502		
Max	1.1	1.5	0.7	3.5	29.9	30.3	29.8	30.3	<2	13	<2	2	<2	13	<2	2	4	169	634	4	165	662		

Requirements for disinfected tertiary-treated recycled water Title 22 Compliance: Min: 450 mg/L-min CT & 90 min DT

\*Beginning August 2009, 002 effluent coliform compliance point at M-001B (splitter box).

**RP-5 (M-003) & CCWRF (M-004) Effluent Monitoring and Coliform Data**

**Table No. 5b**

	003 Turbidity		004 Turbidity		003 Temp		004 Temp		003 Daily Coliform		003 7-day Median		004 Daily Coliform		004 7-day Median		003 FLR	003 DT	003 CT	004 FLR	004 DT	004 CT		
	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Max	Min	Min	Max	Min	Min		
Date	NTU		NTU		°C		°C		MPN / 100 mL										gpm/ft <sup>2</sup>	min	mg-min/L	gpm/ft <sup>3</sup>	min	mg-min/L
Jan-12	0.7	1.2	0.4	0.6	21.6	22.1	21.4	21.6	<2	2	<2	<2	<2	<2	<2	<2	<2	4	137	487	2	141	587	
Feb-12	1.3	1.9	0.5	1.3	21.9	22.7	21.4	21.9	<2	2	<2	<2	<2	<2	<2	<2	<2	5	143	483	2	142	486	
Mar-12	1.0	1.5	0.8	1.1	22.3	22.5	21.6	22.1	<2	2	<2	<2	<2	<2	<2	<2	<2	4	134	480	1	162	567	
Apr-12	1.4	1.9	0.7	1.0	23.3	24.0	22.7	24.4	<2	2	<2	<2	<2	<2	<2	<2	<2	5	141	497	2	146	501	
May-12	1.2	2.3	0.7	0.9	25.1	26.3	25.1	26.0	<2	11	<2	<2	<2	<2	<2	<2	<2	4	153	499	1	162	526	
Jun-12	1.2	1.7	0.8	1.5	26.5	27.0	26.2	27.0	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	120	478	1	164	499	
Jul-12	1.0	1.5	0.7	2.2	27.3	27.5	27.7	28.2	<2	13	<2	<2	<2	<2	<2	<2	<2	4	159	520	1	175	510	
Aug-12	1.1	1.4	0.5	1.2	28.3	29.2	28.0	30.2	<5	75	<2	<2	<2	<2	<2	<2	<2	4	94	470	1	189	612	
Sep-12	1.1	1.5	0.4	0.5	28.4	28.5	27.5	29.1	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	99	487	1	173	562	
Oct-12	0.6	0.9	0.4	0.6	26.9	28.5	27.3	28.2	<2	2	<2	<2	<2	<2	<2	<2	<2	4	157	472	1	178	569	
Nov-12	0.9	1.9	0.3	0.4	24.8	25.5	23.1	24.7	<4	50	<2	<2	<2	<2	<2	<2	<2	4	135	480	1	173	526	
Dec-12	1.2	1.7	0.8	1.5	24.1	24.3	23.1	23.8	<2	2	<2	<2	<2	<3	8	<3	7	4	146	482	1	179	525	
Avg	1.1	1.6	0.6	1.1	25.0	25.7	24.6	25.6	<2	14	<2	<2	<2	3	<2	<2	<2	4	135	483	1	165	539	
Min	0.6	0.9	0.3	0.4	21.6	22.1	21.4	21.6	<2	<2	<2	<2	<2	<2	<2	<2	<2	4	94	470	1	141	486	
Max	1.4	2.3	0.8	2.2	28.4	29.2	28.0	30.2	<5	75	<2	<2	<3	8	<3	7	5	159	520	2	189	612		

Requirements for disinfected tertiary-treated recycled water Title 22 Compliance: Min: 450 mg/L-min CT & 90 min DT

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-1 (M-001A) & RP-1/RP-4 (M-002A) Effluent and Receiving Water (R-002U & R-002D) Data

Table No. 6a

Date	M-001A Cl <sub>2</sub> Residual*		M-002A Cl <sub>2</sub> Residual*		Upstream Cucamonga Creek (R-002U)								Downstream Cucamonga Creek (R-002D)									
					DO		Temp		pH	TDS	TIN	Total Hardness	TSS	DO		Temp		pH	Total Hardness	TSS		
	Avg	Max	Avg	Max	Avg	Min	Avg	Max	Avg	Avg	Avg	Avg	Avg	Avg	Min	Max	Avg	Avg	Avg	Avg		
mg/L		mg/L		°C		unit		mg/L		mg/L		mg/L		mg/L		°C		unit		mg/L		
Jan-12	0.0	0.0	0.0	0.0	12.9	11.0	23.0	23.4	7.0	10.8	294	0.7	112	6	11.2	9.0	18.1	21.8	7.9	8.4	126	6
Feb-12	0.0	0.0	0.0	0.0	13.2	11.5	10.3	12.0	10.3	10.9	274	<0.2	-	-	12.0	11.5	14.3	15.0	7.9	8.1	-	-
Mar-12	0.0	0.0	0.0	0.0	13.6	12.4	11.0	14.0	8.6	10.8	2400	0.6	-	-	11.8	9.1	14.8	16.0	7.2	8.1	-	-
Apr-12	0.0	0.0	0.0	0.0	13.2	10.4	12.5	15.0	9.3	10.7	411	4.2	72	2	12.7	11.0	15.8	17.0	7.7	8.5	129	3
May-12	0.0	0.0	0.0	0.0	13.0	11.7	22.8	25.0	9.8	11.1	284	0.2	-	-	10.7	10.0	23.6	25.0	8.0	8.6	-	-
Jun-12	0.0	0.0	0.0	0.0	12.8	11.4	24.9	27.3	9.3	10.7	274	0.2	-	-	13.3	9.6	25.7	26.4	8.1	9.4	-	-
Jul-12	0.0	0.0	0.0	0.0	11.7	10.0	21.8	24.5	9.1	10.0	366	0.2	173	<2	12.9	10.6	24.5	24.9	7.1	9.4	156	4
Aug-12	0.0	0.0	0.0	0.0	9.8	9.4	25.8	28.5	8.2	10.9	350	3.1	-	-	14.3	9.1	28.4	31.1	8.1	9.3	-	-
Sep-12	0.0	0.0	0.0	0.0	10.4	8.6	21.5	26.9	8.2	9.7	294	0.2	-	-	10.1	9.1	27.6	30.5	7.8	8.4	-	-
Oct-12	0.0	0.0	0.0	0.0	12.6	11.6	20.5	27.3	7.8	8.7	310	0.2	182	18	11.1	8.3	25.4	26.4	7.6	8.2	154	4
Nov-12	0.0	0.0	0.0	0.0	12.4	11.3	17.4	20.4	8.6	9.6	338	1.3	-	-	11.3	8.4	23.5	25.4	8.4	8.7	-	-
Dec-12	0.0	0.0	0.0	0.0	11.9	11.0	13.4	17.1	7.6	7.7	338	1.4	-	-	10.4	7.7	23.3	23.5	7.6	7.6	-	-
Avg	0.0	0.0	0.0	0.0	12.3	10.9	18.7	21.8	8.6	10.1	494	1.1	135	7	11.8	9.4	22.1	23.6	7.8	8.6	141	4
Min	0.0	0.0	0.0	0.0	9.8	8.6	10.3	12.0	7.0	7.7	274	<0.2	72	<2	10.1	7.7	14.3	15.0	7.1	7.6	126	3
Max	0.0	0.0	0.0	0.0	13.6	12.4	25.8	28.5	10.3	11.1	2,400	4.2	182	18	14.3	11.5	28.4	31.1	8.4	9.4	156	6

RP-5 (M-003) & CCWRF (M-004) Effluent and Receiving Water (R-003U, R-003D, & R-004U) Data

Table No. 6b

Date	M-003 Cl <sub>2</sub> Residual*		M-004 Cl <sub>2</sub> Residual*		Upstream Chino Creek (R-003U)								Downstream Chino Creek (R-003D)								Upstream Chino Creek (R-004U)													
					DO		Temp		pH	TDS	TIN	Total Hardness	TSS	DO		Temp		pH	Total Hardness	TSS	DO		Temp		pH	TDS	TIN	Total Hardness	TSS					
	Avg	Max	Avg	Max	Avg	Min	Avg	Max	Min	Max	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg	Avg					
mg/L		mg/L		°C		unit		mg/L		mg/L		mg/L		mg/L		°C		unit		mg/L		mg/L		°C		unit		mg/L		mg/L				
Jan-12	0.0	0.0	0.0	0.0	7.8	6.9	21.2	21.3	7.4	7.8	480	5.4	166	9	8.5	8.2	18.5	19.2	7.5	7.7	244	7	10.4	8.8	14.3	18.3	8.4	9.4	760	3.1	455	5		
Feb-12	0.0	0.0	0.0	0.0	7.3	4.8	21.5	22.4	7.2	7.8	488	5.3	-	-	8.4	7.8	18.4	19.6	7.1	7.8	-	-	8.9	4.9	20.3	21.8	8.7	11.0	656	1.5	-	-		
Mar-12	0.0	0.0	0.0	0.0	9.9	8.9	22.4	22.7	7.6	7.9	512	6.0	-	-	8.2	7.6	19.4	20.8	7.2	7.5	-	-	13.8	10.9	22.5	25.4	9.6	10.1	777	1.7	-	-		
Apr-12	0.0	0.0	0.0	0.0	9.2	8.5	22.6	24.4	7.0	9.0	582	6.5	171	5	7.9	7.4	21.1	22.6	7.4	7.6	231	8	8.8	7.8	22.5	29.1	8.1	8.5	890	1.7	447	10		
May-12	0.0	0.0	0.0	0.0	11.4	8.9	25.1	26.0	7.9	8.5	560	3.8	-	-	7.1	6.7	23.1	23.3	7.2	7.3	-	-	14.0	10.5	23.8	30.4	9.2	10.6	1044	2.6	-	-		
Jun-12	0.0	0.0	0.0	0.0	12.8	10.7	25.8	27.2	7.4	8.7	528	4.5	-	-	7.1	6.7	22.5	23.1	7.1	7.5	-	-	16.8	12.9	23.2	32.5	8.6	9.2	956	1.3	-	-		
Jul-12	0.0	0.0	0.0	0.0	14.9	12.1	27.0	29.3	7.7	7.9	538	3.7	169	-	6.5	5.7	23.5	24.6	6.9	7.3	312	-	15.5	10.7	28.1	34.9	8.8	10.1	924	1.6	542	-		
Aug-12	0.0	0.0	0.0	0.0	10.8	5.2	27.8	29.8	7.5	8.8	516	3.9	-	-	2	5.8	5.2	25.3	26.3	7.0	8.1	-	-	11	13.1	6.3	26.2	31.5	8.2	9.3	686	1.3	-	17
Sep-12	0.0	0.0	0.0	0.0	11.6	9.5	28.0	29.4	7.8	8.3	540	4.7	-	-	6.7	6.5	24.7	25.8	8.0	8.1	-	-	13.4	11.4	26.8	31.2	8.8	9.5	788	2	-	-		
Oct-12	0.0	0.0	0.0	0.0	12.1	9.4	27.1	29.6	7.4	9.2	526	4.4	172	4	6.8	6.5	23.7	25.4	8.0	8.8	251	5	13.1	10.8	26.4	29.4	7.4	10.1	790	3.6	346	19		
Nov-12	0.0	0.0	0.0	0.0	8.2	7.1	23.5	24.6	7.4	7.7	544	3.4	-	-	7.5	7.0	21.2	22.5	7.7	9.4	-	-	10.4	8.3	17.8	23.5	7.7	8.6	732	6.3	-	-		
Dec-12	0.0	0.0	0.0	0.0	8.2	6.7	23.2	23.8	7.4	8.9	546	6.4	-	-	7.8	7.2	20.1	21.6	8.6	8.9	-	-	14.0	8.6	16.6	17.8	8.3	9.0	842	2.3	-	-		
Avg	0.0	0.0	0.0	0.0	10.3	8.2	24.6	25.9	7.5	8.4	530	4.8	170	5	7.4	6.9	21.8	22.9	7.5	8.0	260	8	12.7	9.3	22.4	27.2	8.5	9.6	820	2.4	448	13		
Min	0.0	0.0	0.0	0.0	7.3	4.8	21.2	21.3	7.0	7.7	480	3.4	166	2	5.8	5.2	18.4	19.2	6.9	7.3	231	5	8.8	4.9	14.3	17.8	7.4	8.5	656	1.3	346	5		
Max	0.0	0.0	0.0	0.0	14.9	12.1	28.0	29.8	7.9	9.2	582	6.5	172	9	8.5	8.2	25.3	26.3	8.6	9.4	312	11	16.8	12.9	28.1	34.9	9.6	11.0	1,044	6.3	542	19		

\* A chlorine residual of 0.0 mg/L signifies a positive sodium bisulfite residual and a negative chlorine residual.

Inland Empire Utilities Agency

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

**RP-1 (REC-001) & RP-4 (REC-002) Recycled Water Data**

**Table No. 7a**

Date	REC-001										REC-002											
	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS
	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg
mgd		unit	NTU	mg-min/L	MPN / 100 mL				mg/L		mgd		unit	NTU	mg-min/L	MPN / 100 mL				mg/L		
Jan-12	9.4	7.1	0.8	561	<2	4	<2	2	<2	<2	441	8.2	7.0	0.6	625	<2	<2	<2	<2	<2	<2	407
Feb-12	10.0	7.0	0.7	621	<2	8	<2	<2	<2	<2	455	8.3	7.0	0.8	614	<2	<2	<2	<2	<2	<2	416
Mar-12	8.6	7.1	0.7	580	<2	13	<2	<2	<2	<2	475	6.7	7.0	0.9	789	<2	2	<2	<2	<2	<2	435
Apr-12	10.2	7.2	0.8	624	<2	4	<2	2	<2	<2	479	6.5	7.0	1.0	567	<2	<2	<2	<2	<2	<2	430
May-12	16.4	7.2	1.0	593	<2	2	<2	<2	<2	<2	480	8.6	7.1	1.2	536	<2	<2	<2	<2	<2	<2	451
Jun-12	18.9	7.2	0.8	583	<2	4	<2	2	<2	<2	466	8.7	7.2	0.9	640	<2	<2	<2	<2	<2	<2	442
Jul-12	18.3	7.2	0.7	586	<2	2	<2	<2	<2	<2	464	8.6	7.2	1.3	472	<2	<2	<2	<2	<2	<2	422
Aug-12	18.4	7.3	1.1	634	<2	2	<2	<2	<2	<2	442	8.3	7.2	1.2	703	<2	<2	<2	<2	<2	<2	433
Sep-12	14.7	7.3	1.1	590	<2	<2	<2	<2	<2	<2	455	8.5	7.2	0.6	544	<2	<2	<2	<2	<2	<2	425
Oct-12	14.8	7.3	0.9	623	<2	2	<2	<2	<2	<2	466	8.1	7.1	0.3	649	<2	<2	<2	<2	<2	<2	451
Nov-12	16.3	7.3	0.5	567	<2	4	<2	<2	<2	<2	469	6.4	7.1	0.3	794	<2	2	<2	<2	<2	<2	451
Dec-12	5.3	7.2	0.5	600	<2	4	<2	<2	<2	<2	475	17.4	7.0	0.3	688	<2	2	<2	<2	<2	<2	447
Avg	13.4	7.2	0.8	597	<2	4	<2	<2	<2	<2	464	8.7	7.1	0.8	643	<2	<2	<2	<2	<2	<2	434
Min	5.3	7.0	0.5	561	<2	<2	<2	<2	<2	<2	441	6.4	7.0	0.3	472	<2	<2	<2	<2	<2	<2	407
Max	18.9	7.3	1.1	634	<2	13	<2	2	<2	<2	480	17.4	7.2	1.3	794	<2	2	<2	<2	<2	<2	451

**RP-5 (REC-003) & CCWRF (REC-004) Recycled Water Data**

**Table No. 7b**

Date	REC-003										REC-004												
	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	Flow	pH	Turbidity	CT	Daily Coliform		7-day Median		BOD	TSS	TDS	
	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	Avg	Avg	Avg	Min	Avg	Max	Avg	Max	Avg	Avg	Avg	
mgd		unit	NTU	mg-min/L	MPN / 100 mL				mg/L		mgd		unit	NTU	mg-min/L	MPN / 100 mL				mg/L			
Jan-12	0.0	7.0	0.7	487	<2	2	<2	<2	<2	<2		0.8	7.1	0.4	587	<2	<2	<2	<2	<2	<2	492	
Feb-12	0.0	7.1	1.3	483	<2	2	<2	<2	<2	<2	532	0.7	7.1	0.5	486	<2	2	<2	<2	<2	<2	496	
Mar-12	0.0	6.9	1.0	480	<2	2	<2	<2	<2	<2	514	0.7	7.2	0.8	567	<2	2	<2	<2	<2	<2	513	
Apr-12	0.0	6.8	1.4	497	<2	2	<2	<2	<2	<2	2	1.4	7.2	0.7	501	<2	2	<2	<2	<2	<2	510	
May-12	3.1	6.9	1.2	499	<2	11	<2	<2	<2	<2	519	3.4	7.1	0.7	526	<2	4	<2	<2	<2	<2	514	
Jun-12	7.4	6.8	1.2	478	<2	<2	<2	<2	<2	<2	515	3.5	7.0	0.8	499	<2	2	<2	<2	<2	<2	498	
Jul-12	7.6	6.7	1.0	520	<2	13	<2	<2	<2	<2	514	3.8	7.0	0.7	510	<2	4	<2	<2	<2	<2	512	
Aug-12	8.8	7.0	1.1	470	<5	75	<2	<2	<2	<2	498	4.3	7.0	0.5	612	<2	<2	<2	<2	<2	<2	491	
Sep-12	7.2	7.1	1.1	487	<2	<2	<2	<2	<2	<2	510	4.9	7.0	0.4	562	<2	<2	<2	<2	<2	<2	493	
Oct-12	3.5	7.2	0.6	472	<2	2	<2	<2	<2	<2	513	1.8	7.1	0.4	569	<2	<2	<2	<2	<2	<2	514	
Nov-12	0.0	7.2	0.9	480	<4	50	<2	<2	<2	<2	3	512	1.5	7.0	0.3	526	<2	<2	<2	<2	<2	<2	514
Dec-12	0.0	7.3	1.2	482	<2	2	<2	<2	<2	<2	3	0.0	7.0	0.8	525	<3	8	<3	7	<2	<2	517	
Avg	3.2	7.0	1.1	486	<2	14	<2	<2	<2	<2	514	2.2	7.1	0.6	537	<2	3	<2	<2	<2	<2	505	
Min	0.0	6.7	0.6	470	<2	<2	<2	<2	<2	<2	498	0.0	7.0	0.3	486	<2	<2	<2	<2	<2	<2	491	
Max	8.8	7.3	1.4	520	<5	75	<2	<2	<2	<2	532	4.9	7.2	0.8	612	<3	8	<3	7	<2	<2	517	

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**RP-1 (M-001B) Effluent Monthly Inorganic & Organic Data**

**Table No. 8a**

Total Hardness	HCO <sub>3</sub> <sup>2-</sup>	B	Ca	CO <sub>3</sub> <sup>2-</sup>	Cl	F	Mg	Na	SO <sub>4</sub>	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*	
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Limits																		4.1 mo avg: 8.2 max daily	5.9 mo avg: 11.9 max daily	4.2 mo avg: 8.5 max daily	
Jan-12	134	138	0.3	39	0	100	0.2	9	84	46	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	25	<2	24	<2
Feb-12	142	131	0.2	41	0	112	0.2	10	92	46	<0.25	0.8	3	<0.5	<0.05	<2	<0.25	27	<2		
Mar-12	139	131	0.2	38	0	128	0.3	11	93	52	<0.25	1.0	4	<0.5	<0.05	<2	<0.25	30	<2		
Apr-12	146	134	0.2	42	0	132	0.3	10	102	49	<0.25	0.7	3	<0.5	<0.05	<2	<0.25	26	<2	18	<2
May-12	158	130	0.3	47	0	123	0.2	11	104	50	<0.25	<0.5	2	<0.5	<0.05	<2	<0.25	23	<2		
Jun-12	147	138	0.4	42	0	114	0.1	10	99	45	<0.25	1.0	3	<0.5	<0.05	<2	<0.25	30	<2		
Jul-12	153	155	0.2	46	0	98	0.2	9	95	40	<0.25	1.0	1	<0.5	<0.05	<2	<0.25	22	<2	22	<2
Aug-12	164	151	0.2	49	0	96	0.2	10	102	38	<0.25	1.3	2	<0.5	<0.05	<2	<0.25	23	<2		
Sep-12	149	148	0.2	44	0	100	0.1	9	95	39	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	29	<2		
Oct-12	147	144	0.2	43	0	113	0.2	10	101	40	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	24	<2	33	<2
Nov-12	147	144	0.2	42	0	112	0.2	10	100	42	<0.25	0.7	2	<0.5	<0.05	<2	<0.25	31	<2		
Dec-12	142	150	0.3	41	0	110	0.2	10	96	41	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	23	<2		
Avg	147	141	0.2	43	0	112	0.2	10	97	44	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	26	<2	24	<2
Min	134	130	0.2	38	0	96	0.1	9	84	38	<0.25	<0.5	1	<0.5	<0.05	<2	<0.25	22	<2	18	<2
Max	164	155	0.4	49	0	132	0.3	11	104	52	<0.25	1.3	4	<0.5	<0.05	<2	<0.25	31	<2	33	<2

**RP-1/RP-4 (M-002A) Effluent Monthly Inorganic & Organic Data**

**Table No. 8b**

Total Hardness	HCO <sub>3</sub> <sup>2-</sup>	B	Ca	CO <sub>3</sub> <sup>2-</sup>	Cl	F	Mg	Na	SO <sub>4</sub>	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*	
Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Limits																	4.1 mo avg: 8.2 max daily	5.9 mo avg: 11.9 max daily	4.2 mo avg: 8.5 max daily		
Jan-12	136	126	0.2	40	0	103	0.2	9	92	63	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	23	<2	15	<2
Feb-12	140	121	0.2	41	0	111	0.2	10	94	60	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	27	<2	3	
Mar-12	140	119	0.2	39	0	129	0.3	11	103	71	<0.25	1.1	4	<0.5	<0.05	<2	<0.25	30	<2		
Apr-12	146	126	0.2	43	0	131	0.2	9	108	68	<0.25	0.7	3	<0.5	<0.05	<2	<0.25	25	<2	17	3
May-12	155	119	0.3	45	0	123	0.2	10	108	68	<0.25	0.8	2	<0.5	<0.05	<2	<0.25	21	<2		
Jun-12	146	127	0.4	42	0	114	0.2	10	106	69	<0.25	0.9	3	<0.5	<0.05	<2	<0.25	31	<2	3	
Jul-12	155	145	0.2	46	0	101	0.2	10	102	57	<0.25	1.0	1	<0.5	<0.05	<2	<0.25	22	<2	20	<2
Aug-12	161	144	0.2	48	0	99	0.2	10	100	50	<0.25	1.0	2	<0.5	<0.05	<2	<0.25	24	<2	2	
Sep-12	148	141	0.2	44	0	100	0.2	9	98	54	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	29	<2		3*
Oct-12	145	143	0.2	42	0	114	0.2	10	105	55	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	24	<2	25	<2
Nov-12	149	140	0.2	43	0	112	0.2	10	106	55	<0.25	0.7	2	<0.5	<0.05	<2	<0.25	32	<2		
Dec-12	146	142	0.2	42	0	112	0.2	10	103	53	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	23	<2		
Avg	147	133	0.2	43	0	112	0.2	10	102	60	<0.25	0.9	2	<0.5	<0.05	<2	<0.25	26	<2	19	<2
Min	136	119	0.2	39	0	99	0.2	9	92	50	<0.25	0.7	1	<0.5	<0.05	<2	<0.25	21	<2	15	<2
Max	161	145	0.4	48	0	131	0.3	11	108	71	<0.25	1.1	4	<0.5	<0.05	<2	<0.25	32	<2	25	3

\*Free Cyanide is analyzed using ASTM-D7237 for analysis of aquatic free cyanide in accordance with R8-2009-0021

Inland Empire Utilities Agency

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**RP-5 (M-003) Effluent Monthly Inorganic Data**

**Table No. 8c**

		Total Hardness	HCO <sub>3</sub> <sup>2-</sup>	B	Ca	CO <sub>3</sub> <sup>2-</sup>	Cl	F	Mg	Na	SO <sub>4</sub>	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Date	Limits	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12		186	146	0.3	56	0	142	0.2	11	100	57	<0.25	1.0	5	<0.5	<0.05	<2	<0.25	41	<2	11	<2
Feb-12		190	148	0.2	56	0	127	0.2	12	91	56	<0.25	0.9	5	<0.5	<0.05	<2	<0.25	35	<2	14	<2
Mar-12		193	129	0.3	55	0	150	0.2	14	94	65	<0.25	1.2	8	<0.5	<0.05	<2	<0.25	39	<2	18	<2
Apr-12		198	139	0.3	58	0	148	0.2	13	97	67	<0.25	0.8	7	<0.5	<0.05	<2	<0.25	36	<2	15	<2
May-12		212	149	0.3	62	0	138	0.2	14	103	65	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	32	<2	16	<2
Jun-12		193	144	0.3	56	0	135	0.2	13	105	66	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	33	<2	21	<2
Jul-12		197	136	0.3	58	0	137	0.2	13	110	69	<0.25	1.2	6	<0.5	<0.05	<2	<0.25	38	<2	23	<2
Aug-12		184	131	0.3	54	0	131	0.1	12	100	60	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	44	<2	36	<2
Sep-12		188	137	0.3	53	0	133	0.1	13	106	50	<0.25	0.9	7	<0.5	<0.05	<2	<0.25	46	<2	40	<2
Oct-12		190	140	0.3	54	0	140	0.2	14	105	53	<0.25	0.9	7	<0.5	<0.05	<2	<0.25	46	<2	36	<2
Nov-12		187	140	0.2	54	0	137	<0.1	13	101	50	<0.25	1.0	10	<0.5	<0.05	<2	<0.25	54	<2	32	<2
Dec-12		183	141	0.2	54	0	135	0.2	12	92	48	<0.25	1.0	8	<0.5	<0.05	<2	<0.25	51	<2	36	<2
Avg		192	140	0.3	56	0	138	0.2	13	100	59	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	41	<2	25	<2
Min		183	129	0.2	53	0	127	0.1	11	91	48	<0.25	0.8	5	<0.5	<0.05	<2	<0.25	32	<2	11	<2
Max		212	149	0.3	62	0	150	0.2	14	110	69	<0.25	1.2	10	<0.5	<0.05	<2	<0.25	54	<2	40	<2

**CCWRF (M-004) Effluent Monthly Inorganic Data**

**Table No. 8d**

		Total Hardness	HCO <sub>3</sub> <sup>2-</sup>	B	Ca	CO <sub>3</sub> <sup>2-</sup>	Cl	F	Mg	Na	SO <sub>4</sub>	Cd, TR	Cr, Total	Cu, TR	Pb, TR	Hg, TR	Se, TR	Ag, TR	Zn, TR	Bis(2-ethylhexyl) phthalate	Bromodi-chloromethane	CN, Free*
Date	Limits	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12		180	152	0.2	54	0	115	0.2	11	90	65	<0.25	1.3	9	<0.5	<0.05	<2	<0.25	68	<2	20	<2
Feb-12		183	149	0.2	54	0	128	0.3	12	97	62	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	55	<2		
Mar-12		168	130	0.3	45	0	154	0.1	13	104	67	<0.25	1.1	7	<0.5	<0.05	<2	<0.25	36	<2		
Apr-12		183	143	0.3	53	0	150	0.2	12	101	66	<0.25	0.8	6	<0.5	<0.05	<2	<0.25	41	2	17	<2
May-12		189	143	0.3	54	0	144	0.2	13	109	70	<0.25	1.0	4	<0.5	<0.05	<2	<0.25	40	<2		
Jun-12		176	136	0.3	50	0	139	0.4	12	108	67	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	45	<2		
Jul-12		166	133	0.3	47	0	127	0.2	12	107	69	<0.25	1.1	6	<0.5	<0.05	<2	<0.25	41	<2	31	<2
Aug-12		166	117	0.3	47	0	133	0.2	12	114	73	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	35	<2		
Sep-12		159	124	0.3	45	0	139	0.2	12	114	62	<0.25	1.0	7	<0.5	<0.05	<2	<0.25	39	<2	3	
Oct-12		167	127	0.3	46	0	149	0.2	13	117	60	<0.25	0.9	6	<0.5	<0.05	<2	<0.25	37	<2	45	<2
Nov-12		164	137	0.2	45	0	153	0.2	13	111	56	<0.25	0.8	6	<0.5	<0.05	<2	<0.25	38	<2		
Dec-12		176	137	0.2	50	0	144	0.1	12	104	51	<0.25	1.0	5	<0.5	<0.05	<2	<0.25	44	<2		
Avg		173	136	0.3	49	0	140	0.2	12	106	64	<0.25	1.0	6	<0.5	<0.05	<2	<0.25	43	<2	28	<2
Min		159	117	0.2	45	0	115	0.1	11	90	51	<0.25	0.8	4	<0.5	<0.05	<2	<0.25	35	<2	17	<2
Max		189	152	0.3	54	0	154	0.4	13	117	73	<0.25	1.3	9	<0.5	<0.05	<2	<0.25	68	2	45	3

\*Free Cyanide is analyzed using ASTM-D7237 for analysis of aquatic free cyanide in accordance with R8-2009-0021

Inland Empire Utilities Agency

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**RP-1 (M-001B) Effluent Quarterly Data**

	AI, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	29	<1	<2	12	<1	3
Feb-12	35	<1	<2	11	<1	2
Mar-12	25	<1	<2	12	<1	2
Apr-12	<25	<1	<2	14	<1	2
May-12	25	<1	<2	13	<1	3
Jun-12	33	<1	<2	12	<1	3
Jul-12	30	<1	<2	10	<1	3
Aug-12	27	<1	<2	15	<1	2
Sep-12	28	<1	<2	14	<1	2
Oct-12	33	<1	<2	14	<1	2
Nov-12	34	<1	<2	14	<1	3
Dec-12	31	<1	<2	14	<1	3
Avg	30	<1	<2	13	<1	3
Min	<25	<1	<2	10	<1	2
Max	35	<1	<2	15	<1	3

**Table No. 9a**

**RP-1/RP-4 (M-002A) Effluent Quarterly Data**

	AI, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	31	<1	<2	12	<1	3
Feb-12	30	<1	<2	11	<1	2
Mar-12	<25	<1	<2	11	<1	2
Apr-12	<25	<1	<2	14	<1	2
May-12	<25	<1	<2	11	<1	3
Jun-12	31	<1	<2	11	<1	3
Jul-12	30	<1	<2	11	<1	3
Aug-12	26	<1	<2	15	<1	2
Sep-12	28	<1	<2	14	<1	3
Oct-12	34	<1	<2	15	<1	3
Nov-12	34	<1	<2	13	<1	3
Dec-12	30	<1	<2	13	<1	3
Avg	29	<1	<2	13	<1	3
Min	<25	<1	<2	11	<1	2
Max	34	<1	<2	15	<1	3

**Table No. 9b**

**RP-5 (M-003) Effluent Quarterly Data**

	AI, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	<25	<1	<2	19	<1	3
Feb-12	<25	<1	<2	17	<1	3
Mar-12	<25	<1	<2	23	<1	2
Apr-12	<25	<1	<2	25	<1	3
May-12	27	<1	<2	22	<1	3
Jun-12	<25	<1	<2	29	<1	2
Jul-12	<25	<1	<2	31	<1	3
Aug-12	<25	<1	<2	31	<1	2
Sep-12	<25	<1	<2	21	<1	3
Oct-12	<25	<1	<2	28	<1	3
Nov-12	39	<1	<2	33	<1	3
Dec-12	29	<1	<2	30	<1	3
Avg	<27	<1	<2	26	<1	3
Min	<25	<1	<2	17	<1	2
Max	39	<1	<2	33	<1	3

**Table No. 9c**

**CCWRF (M-004) Effluent Quarterly Data**

	AI, TR	Sb, TR	As, TR	Ba, TR	Co, TR	Ni, TR
Date	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Jan-12	61	<1	<2	23	<1	3
Feb-12	53	<1	<2	20	<1	3
Mar-12	53	<1	<2	14	<1	2
Apr-12	63	<1	<2	16	<1	3
May-12	52	<1	<2	15	<1	3
Jun-12	84	<1	<2	14	<1	2
Jul-12	63	<1	<2	17	<1	2
Aug-12	49	1.0	<2	10	<1	4
Sep-12	36	1.2	<2	12	<1	3
Oct-12	47	1.1	<2	12	<1	7
Nov-12	30	1.0	<2	12	<1	3
Dec-12	44	<1	<2	15	<1	3
Avg	53	<1	<2	15	<1	3
Min	30	<1	<2	10	<1	2
Max	84	1	<2	23	<1	7

**Table No. 9d**

**Inland Empire Utilities Agency**

**Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report**

**Table No. 10**

Mo-Yr	Discharged Eff Flow			TIN						Agency-wide TIN					
	RP1/RP4	RP5	CC	RP1/RP4			RP5			CC			Discharge		12-MRA
				mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	mg/L	lbs/day	mg/L
Jan-12	14.8	10.3	6.9	7.0	870	6.5	560	4.9	280	6.4	1,710	8	5,338	5.8	
Feb-12	14.8	10.8	6.6	7.2	890	6.9	620	5.2	290	6.7	1,800	8	5,338	5.8	
Mar-12	19.1	10.5	5.5	6.4	1,020	7.8	680	5.5	250	6.7	1,950	8	5,338	5.8	
Apr-12	15.3	10.7	5.3	8.3	1,060	7.5	670	4.2	190	7.4	1,920	8	5,338	5.9	
May-12	8.7	5.7	3.6	7.0	510	7.1	330	3.9	120	6.4	960	8	5,338	5.9	
Jun-12	7.0	0.2	3.4	6.5	380	6.2	10	4.1	120	5.8	510	8	5,338	5.9	
Jul-12	6.8	0.8	2.6	5.7	320	6.4	40	4.4	100	5.4	460	8	5,338	6.0	
Aug-12	7.7	0.4	1.6	4.9	320	6.1	20	3.9	50	4.8	390	8	5,338	6.1	
Sep-12	11.3	1.1	1.5	5.0	470	6.9	60	4.5	60	5.1	590	8	5,338	6.0	
Oct-12	11.2	4.8	5.0	4.5	410	5.9	230	4.8	200	4.9	840	8	5,338	6.0	
Nov-12	11.1	9.1	5.2	5.8	540	6.9	520	5.1	220	6.1	1,280	8	5,338	6.0	
Dec-12	24.7	9.7	7.0	5.3	1,090	7.3	590	6.3	370	6.0	2,050	8	5,338	6.0	
Avg	12.7	6.2	4.5	6.1	660	6.8	360	4.7	190	6.0	1,210	8	5,338	5.9	
Min	6.8	0.2	1.5	4.5	320	5.9	10	3.9	50	4.8	390	8	5,338	5.8	
Max	24.7	10.8	7.0	8.3	1,090	7.8	680	6.3	370	7.4	2,050	8	5,338	6.1	

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**Agency-wide TDS 12-Month Running Averages**

**Table No. 11**

Mo-Yr	Flows								Total Dissolved Solids (TDS)								Agency-wide TDS				
	RP-1 001 <sup>1</sup>		RP-4 002		RP-5 RP-5 RW		CC CC RW		RP-1 001		RP-4 RW <sup>2</sup> 002		RP-5 RW <sup>2</sup>		CC CC RW <sup>2</sup>		Discharge		Limit		12-MRA
	RW		RW		RW	RP-5	CC	RW	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	flow wt. mg/L	total lbs/day	flow wt. mg/L	total lbs/day	flow wt. mg/L
MGD																					
Jan-12	2.5	9.4	12.3	8.2	10.3	0.0	6.9	0.8	456	441	457	407	517	NA	503	492	465	220,000	550	366,960	459
Feb-12	1.4	10.0	13.4	8.3	10.8	0.0	6.6	0.7	466	455	472	416	524	532	509	496	476	227,300	550	366,960	461
Mar-12	1.7	8.6	17.4	6.7	10.5	0.0	5.5	0.7	488	475	493	435	546	514	526	513	497	232,600	550	366,960	463
Apr-12	2.7	10.2	12.6	6.5	10.7	0.0	5.3	1.4	485	479	498	430	539	NA	518	510	496	220,640	550	366,960	466
May-12	2.6	16.4	6.0	8.6	5.7	3.1	3.6	3.4	503	480	499	451	542	519	524	514	493	204,120	550	366,960	469
Jun-12	2.2	18.9	4.8	8.7	0.2	7.4	3.4	3.5	527	466	494	442	546	515	545	498	482	197,350	550	366,960	470
Jul-12	1.5	18.3	5.3	8.6	0.8	7.6	2.6	3.8	514	464	487	422	556	514	530	512	477	188,080	550	366,960	472
Aug-12	2.3	18.4	5.4	8.3	0.4	8.8	1.6	4.3	503	442	469	433	553	498	511	491	463	180,110	550	366,960	473
Sep-12	2.0	14.7	9.3	8.5	1.1	7.2	1.5	4.9	532	455	472	425	532	510	522	493	472	179,450	550	366,960	474
Oct-12	2.1	14.8	9.1	8.1	4.8	3.5	5.0	1.8	525	466	481	451	528	513	529	514	486	212,360	550	366,960	476
Nov-12	2.9	16.3	8.3	7.0	9.1	0.0	5.2	1.5	502	469	482	444	513	512	531	514	485	218,910	550	366,960	479
Dec-12	4.4	5.3	20.3	4.5	9.7	0.0	7.0	0.0	487	475	485	447	511	NA	531	517	492	240,910	550	366,960	482
Avg	2.3	13.4	10.4	7.7	6.2	3.2	4.5	2.2	499	464	482	433	534	514	523	505	482	210,150	550	366,960	470
Min	1.4	5.3	4.8	4.5	0.2	0.0	1.5	0.0	456	441	457	407	511	498	503	491	463	179,450	550	366,960	459
Max	4.4	18.9	20.3	8.7	10.8	8.8	7.0	4.9	532	480	499	451	556	532	545	517	497	240,910	550	366,960	482

NOTES: <sup>1</sup>Prior to April 2010, 001 effluent flow included recycled water flow.

<sup>2</sup> Flow and TDS added to flow-weight for RP-1, RP-5, and CCWRF recycled water (May 2010)

NA: Not Analyzed, due to no discharge

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**RP-1 (M-001B) Effluent Remaining Priority Pollutants**

**Table 18a**

**RP-1 (M-001B) Effluent Remaining Priority Pollutant Metals, µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

**RP-1 (M-001B) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L**

1,1,1-Trichloroethane	<1			<1									<1
1,1,2,2-Tetrachloroethane	<0.5			<0.5									<0.5
1,1,2-Trichloroethane	<1			<1									<1
1,1-Dichloroethane	<0.5			<0.5									<0.5
1,1-Dichloroethene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,2-Dichloroethane	<1			<1									<1
1,2-Dichloropropane	<0.5			<0.5									<0.5
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2-Chloroethyl vinyl ether	<1			<1									<1
Benzene	<1			<1									<1
Bromodichloromethane	24			18									24
Bromoform	<1			<1									<1
Bromomethane	<1			<1									<1
Carbon tetrachloride	<1			<1									<1
Chlorobenzene	<1			<1									<1
Chloroethane	<1			<1									<1
Chloroform	122			57									122
Chloromethane	<1			<1									<1
cis-1,3-Dichloropropene	<1			<1									<1
Dibromochloromethane	3			3									3
Ethylbenzene	<1			<1									<1
Methylene chloride	<1			<1									<1
Tetrachloroethene	<1			<1									<1
Toluene	<1			<1									<1
trans-1,2-Dichloroethene	<0.5			<0.5									<0.5
trans-1,3-Dichloropropene	<1			<1									<1
Trichloroethene	<1			<1									<1
Trichlorofluoromethane	<2			<2									<2
Vinyl chloride	<1			<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

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**RP-1 (M-001B) Effluent Remaining Priority Pollutants**

Table 18b

**RP-1 (M-001B) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

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**RP-1 (M-001B) Effluent Remaining Priority Pollutants**

Table 18c

**RP-1 (M-001B) Effluent Pesticides (EPA Method 608), µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD	<0.006												<0.006
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5

**RP-1 (M-001B) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)**

2,3,7,8-TetraCDD	<9.8												<9.8
1,2,3,7,8-PentaCDD	<49												<49.0
1,2,3,4,7,8-HexaCDD	<49												<49.0
1,2,3,6,7,8-HexaCDD	<49												<49.0
1,2,3,7,8,9-HexaCDD	<49												<49.0
1,2,3,4,6,7,8-HeptaCDD	<49												<49.0
OctaCDD	<98												<98.0
2,3,7,8-TetraCDF	<9.8												<9.8
1,2,3,7,8-PentaCDF	<49												<49.0
2,3,4,7,8-PentaCDF	<49												<49.0
1,2,3,4,7,8-HexaCDF	<49												<49.0
1,2,3,6,7,8-HexaCDF	<49												<49.0
1,2,3,7,8,9-HexaCDF	<49												<49.0
2,3,4,6,7,8-HexaCDF	<49												<49.0
1,2,3,4,6,7,8-HeptaCDF	<49												<49.0
1,2,3,4,7,8,9-HeptaCDF	<49												<49.0
OctaCDF	<98												<98.0
Tot. 2,3,7,8-TCDD Equivalence	0.00												0.00

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RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19a

RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-1/RP-4 (M-002A) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane	<1			<1									<1
1,1,2,2-Tetrachloroethane	<0.5			<0.5									<0.5
1,1,2-Trichloroethane	<1			<1									<1
1,1-Dichloroethane	<0.5			<0.5									<0.5
1,1-Dichloroethene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,2-Dichloroethane	<1			<1									<1
1,2-Dichloropropane	<0.5			<0.5									<0.5
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2-Chloroethyl vinyl ether	<1			<1									<1
Benzene	<1			<1									<1
Bromodichloromethane	15			17									17
Bromoform	<1			<1									<1
Bromomethane	<1			<1									<1
Carbon tetrachloride	<1			<1									<1
Chlorobenzene	<1			<1									<1
Chloroethane	<1			<1									<1
Chloroform	80			68									80
Chloromethane	<1			<1									<1
cis-1,3-Dichloropropene	<1			<1									<1
Dibromochloromethane	2			3									3
Ethylbenzene	<1			<1									<1
Methylene chloride	<1			<1									<1
Tetrachloroethene	<1			<1									<1
Toluene	<1			<1									<1
trans-1,2-Dichloroethene	<0.5			<0.5									<0.5
trans-1,3-Dichloropropene	<1			<1									<1
Trichloroethene	<1			<1									<1
Trichlorofluoromethane	<2			<2									<2
Vinyl chloride	<1			<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

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## RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants

Table 19b

## RP-1/RP-4 (M-002A) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

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**RP-1/RP-4 (M-002A) Effluent Remaining Priority Pollutants**

**Table 19c**

**RP-1/RP-4 (M-002A) Effluent Pesticides (EPA Method 608), µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD	<0.006												<0.006
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5

**RP-1/RP-4 (M-002A) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)**

2,3,7,8-TetraCDD	<9.43												<9.43
1,2,3,7,8-PentaCDD	<47.2												<47.2
1,2,3,4,7,8-HexaCDD	<47.2												<47.2
1,2,3,6,7,8-HexaCDD	<47.2												<47.2
1,2,3,7,8,9-HexaCDD	<47.2												<47.2
1,2,3,4,6,7,8-HeptaCDD	<47.2												<47.2
OctaCDD	<94.3												<94.3
2,3,7,8-TetraCDF	<9.43												<9.43
1,2,3,7,8-PentaCDF	<47.2												<47.2
2,3,4,7,8-PentaCDF	<47.2												<47.2
1,2,3,4,7,8-HexaCDF	<47.2												<47.2
1,2,3,6,7,8-HexaCDF	<47.2												<47.2
1,2,3,7,8,9-HexaCDF	<47.2												<47.2
2,3,4,6,7,8-HexaCDF	<47.2												<47.2
1,2,3,4,6,7,8-HeptaCDF	<47.2												<47.2
1,2,3,4,7,8,9-HeptaCDF	<47.2												<47.2
OctaCDF	<94.3												<94.3
Tot. 2,3,7,8-TCDD Equivalence	0.00												0.00

INLAND EMPIRE UTILITIES AGENCY

Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20a

RP-5 (M-003) Effluent Remaining Priority Pollutant Metals, µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

RP-5 (M-003) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L

1,1,1-Trichloroethane	<1	<1		<1									<1
1,1,2,2-Tetrachloroethane	<0.5	<0.5		<0.5									<0.5
1,1,2-Trichloroethane	<1	<1		<1									<1
1,1-Dichloroethane	<0.5	<0.5		<0.5									<0.5
1,1-Dichloroethene	<1	<1		<1									<1
1,2-Dichlorobenzene	<1	<1		<1									<1
1,2-Dichloroethane	<1	<1		<1									<1
1,2-Dichloropropane	<0.5	<0.5		<0.5									<0.5
1,3-Dichlorobenzene	<1	<1		<1									<1
1,4-Dichlorobenzene	<1	<1		<1									<1
2-Chloroethyl vinyl ether	<1	<1		<1									<1
Benzene	<1	<1		<1									<1
Bromodichloromethane	11	14		15									15
Bromoform	<1	<1		<1									<1
Bromomethane	<1	<1		<1									<1
Carbon tetrachloride	<1	<1		<1									<1
Chlorobenzene	<1	<1		<1									<1
Chloroethane	<1	<1		<1									<1
Chloroform	42	51		54									54
Chloromethane	<1	<1		<1									<1
cis-1,3-Dichloropropene	<1	<1		<1									<1
Dibromochloromethane	2	3		3									3
Ethylbenzene	<1	<1		<1									<1
Methylene chloride	<1	<1		<1									<1
Tetrachloroethene	<1	<1		<1									<1
Toluene	<1	<1		<1									<1
trans-1,2-Dichloroethene	<0.5	<0.5		<0.5									<0.5
trans-1,3-Dichloropropene	<1	<1		<1									<1
Trichloroethene	<1	<1		<1									<1
Trichlorofluoromethane	<2	<2		<2									<2
Vinyl chloride	<1	<1		<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

## INLAND EMPIRE UTILITIES AGENCY

## Regional Plant Nos. 1, 4, 5, &amp; Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report

## RP-5 (M-003) Effluent Remaining Priority Pollutants

Table 20b

## RP-5 (M-003) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

**INLAND EMPIRE UTILITIES AGENCY**

**Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report**

**RP-5 (M-003) Effluent Remaining Priority Pollutants**

**Table 20c**

**RP-5 (M-003) Effluent Pesticides (EPA Method 608), µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD	<2												<2.000
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5

**RP-5 (M-003) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)**

2,3,7,8-TetraCDD	<9.62									<5			<9.6
1,2,3,7,8-PentaCDD	<48.1									<25			<48.1
1,2,3,4,7,8-HexaCDD	<48.1									<25			<48.1
1,2,3,6,7,8-HexaCDD	<48.1									<25			<48.1
1,2,3,7,8,9-HexaCDD	<48.1									<25			<48.1
1,2,3,4,6,7,8-HeptaCDD	<48.1									<25			<48.1
OctaCDD	<96.2									<50			<96.2
2,3,7,8-TetraCDF	<9.62									<5			<9.6
1,2,3,7,8-PentaCDF	<48.1									<25			<48.1
2,3,4,7,8-PentaCDF	<48.1									<25			<48.1
1,2,3,4,7,8-HexaCDF	<48.1									<25			<48.1
1,2,3,6,7,8-HexaCDF	<48.1									<25			<48.1
1,2,3,7,8,9-HexaCDF	<48.1									<25			<48.1
2,3,4,6,7,8-HexaCDF	<48.1									<25			<48.1
1,2,3,4,6,7,8-HeptaCDF	<48.1									<25			<48.1
1,2,3,4,7,8,9-HeptaCDF	<48.1									<25			<48.1
OctaCDF	<96.2									<50			<96.2
Tot. 2,3,7,8-TCDD Equivalence	0.00									0.00			0.00

**INLAND EMPIRE UTILITIES AGENCY**

**Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report**

**CCWRF (M-004) Effluent Remaining Priority Pollutants**

**Table 21a**

**CCWRF (M-004) Effluent Remaining Priority Pollutant Metals, µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
Beryllium (Be)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium (Tl)	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

**CCWRF (M-004) Effluent Volatile Organics (EPA Methods 624, 601/602), µg/L**

1,1,1-Trichloroethane	<1			<1									<1
1,1,2,2-Tetrachloroethane	<0.5			<0.5									<0.5
1,1,2-Trichloroethane	<1			<1									<1
1,1-Dichloroethane	<0.5			<0.5									<0.5
1,1-Dichloroethene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,2-Dichloroethane	<1			<1									<1
1,2-Dichloropropane	<0.5			<0.5									<0.5
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2-Chloroethyl vinyl ether	<1			<1									<1
Benzene	<1			<1									<1
Bromodichloromethane	20			17									20
Bromoform	<1			<1									<1
Bromomethane	<1			<1									<1
Carbon tetrachloride	<1			<1									<1
Chlorobenzene	<1			<1									<1
Chloroethane	<1			<1									<1
Chloroform	56			50									56
Chloromethane	<1			<1									<1
cis-1,3-Dichloropropene	<1			<1									<1
Dibromochloromethane	5			4									5
Ethylbenzene	<1			<1									<1
Methylene chloride	<1			<1									<1
Tetrachloroethene	<1			<1									<1
Toluene	<1			<1									<1
trans-1,2-Dichloroethene	<0.5			<0.5									<0.5
trans-1,3-Dichloropropene	<1			<1									<1
Trichloroethene	<1			<1									<1
Trichlorofluoromethane	<2			<2									<2
Vinyl chloride	<1			<1									<1
Acrolein	<2												<2
Acrylonitrile	<2												<2

**INLAND EMPIRE UTILITIES AGENCY**

**Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report**

**CCWRF (M-004) Effluent Remaining Priority Pollutants**

Table 21b

**CCWRF (M-004) Effluent Base/Neutral and Acid Extractibles (EPA Method 625), µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
1,2,4-Trichlorobenzene	<1			<1									<1
1,2-Dichlorobenzene	<1			<1									<1
1,3-Dichlorobenzene	<1			<1									<1
1,4-Dichlorobenzene	<1			<1									<1
2,4,6-Trichlorophenol	<1			<1									<1
2,4-Dichlorophenol	<2			<2									<2
2,4-Dimethylphenol	<1			<1									<1
2,4-Dinitrophenol	<3			<3									<3
2,4-Dinitrotoluene	<1			<1									<1
2,6-Dinitrotoluene	<2			<2									<2
2-Chloronaphthalene	<1			<1									<1
2-Chlorophenol	<1			<1									<1
2-Methyl-4,6-dinitrophenol	<2			<2									<2
2-Nitrophenol	<1			<1									<1
3,3-Dichlorobenzidine	<5			<5									<5
4-Bromophenyl phenyl ether	<1			<1									<1
4-Chloro-3-methylphenol	<1			<1									<1
4-Chlorophenyl phenyl ether	<1			<1									<1
4-Nitrophenol	<3			<3									<3
Acenaphthene	<1			<1									<1
Acenaphthylene	<1			<1									<1
Anthracene	<1			<1									<1
Azobenzene	<1			<1									<1
Benzidine	<5			<5									<5
Benzo(a)anthracene	<5			<5									<5
Benzo(a)pyrene	<1			<1									<1
Benzo(b)fluoranthene	<1			<1									<1
Benzo(g,h,i)perylene	<2			<2									<2
Benzo(k)fluoranthene	<1			<1									<1
Bis(2-chloroethoxy)methane	<2			<2									<2
Bis(2-chloroethyl)ether	<1			<1									<1
Bis(2-chloroisopropyl)ether	<1			<1									<1
Bis(2-ethylhexyl)phthalate	<2	<2	<2	2	<2	<2	<2	<2	<2	<2	<2	<2	2
Butyl benzyl phthalate	<1			<1									<1
Chrysene	<1			<1									<1
Dibenzo(a,h)anthracene	<1			<1									<1
Diethyl phthalate	<2			<2									<2
Dimethyl phthalate	<1			<1									<1
Di-n-butyl phthalate	<1			<1									<1
Di-n-octyl phthalate	<1			<1									<1
Fluoranthene	<1			<1									<1
Fluorene	<1			<1									<1
Hexachlorobenzene	<1			<1									<1
Hexachlorobutadiene	<1			<1									<1
Hexachlorocyclopentadiene	<5			<5									<5
Hexachloroethane	<1			<1									<1
Indeno(1,2,3-cd)pyrene	<2			<2									<2
Isophorone	<1			<1									<1
Naphthalene	<1			<1									<1
Nitrobenzene	<1			<1									<1
N-Nitrosodimethylamine	<1			<1									<1
N-Nitroso-di-n-propylamine	<1			<1									<1
N-Nitrosodiphenylamine	<1			<1									<1
Pentachlorophenol	<2			<2									<2
Phenanthrene	<1			<1									<1
Phenol	<1			<1									<1
Pyrene	<1			<1									<1

**INLAND EMPIRE UTILITIES AGENCY**

**Regional Plant Nos. 1, 4, 5, & Carbon Canyon Water Reclamation Facility, 2012 NPDES Annual Report**

**CCWRF (M-004) Effluent Remaining Priority Pollutants**

**Table 21c**

**CCWRF (M-004) Effluent Pesticides (EPA Method 608), µg/L**

Constituent	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Max.
4,4-DDD	<0.006												<0.006
4,4-DDE	<0.006												<0.006
4,4-DDT	<0.008												<0.008
Aldrin	<0.004												<0.004
Alpha-BHC	<0.008												<0.008
Beta-BHC	<0.005												<0.005
Delta-BHC	<0.007												<0.007
Dieldrin	<0.006												<0.006
Endosulfan I	<0.01												<0.01
Endosulfan II	<0.007												<0.007
Endosulfan Sulfate	<0.009												<0.009
Endrin	<0.009												<0.009
Endrin aldehyde	<0.006												<0.006
Gamma-BHC	<0.01												<0.01
Heptachlor	<0.006												<0.006
Heptachlor epoxide	<0.007												<0.007
Chlordane	<0.1												<0.1
PCB-1016	<0.5												<0.5
PCB-1221	<0.5												<0.5
PCB-1232	<0.5												<0.5
PCB-1242	<0.5												<0.5
PCB-1248	<0.5												<0.5
PCB-1254	<0.5												<0.5
PCB-1260	<0.5												<0.5
Toxaphene	<0.5												<0.5

**CCWRF (M-004) Effluent Semiannual Dioxins & Furans, pg/L (reported values based on detection limit)**

2,3,7,8-TetraCDD	<9.8									<5			<9.8
1,2,3,7,8-PentaCDD	<49									<25			<49
1,2,3,4,7,8-HexaCDD	<49									<25			<49
1,2,3,6,7,8-HexaCDD	<49									<25			<49
1,2,3,7,8,9-HexaCDD	<49									<25			<49
1,2,3,4,6,7,8-HeptaCDD	<49									<25			<49
OctaCDD	<98									<50			<98
2,3,7,8-TetraCDF	<9.8									<5			<9.8
1,2,3,7,8-PentaCDF	<49									<25			<49
2,3,4,7,8-PentaCDF	<49									<25			<49
1,2,3,4,7,8-HexaCDF	<49									<25			<49
1,2,3,6,7,8-HexaCDF	<49									<25			<49
1,2,3,7,8,9-HexaCDF	<49									<25			<49
2,3,4,6,7,8-HexaCDF	<49									<25			<49
1,2,3,4,6,7,8-HeptaCDF	<49									<25			<49
1,2,3,4,7,8,9-HeptaCDF	<49									<25			<49
OctaCDF	<98									<50			<98
Tot. 2,3,7,8-TCDD Equivalence	0.00									0.00			0.00

## **APPENDIX C**

### **Recycled Water Users and Demands**

**APPENDIX C**  
Recycled Water Users and Demands

City of Chino			
Customer	Site Address	Type	Total AF
C W FARMS IV	REMINGTON/WALKER NORTH #SPR	Agricultural	590
Cal Poly Pomona	Kimball Ave/Magnolia Channel#RC	Agricultural	797
Cal Poly Pomona	14515 Central Ave #A SPR/R	Agricultural	315
Cleveland Farm	HYDRANT METER	Agricultural	37
Cleveland Farm	HYDRANT METER	Agricultural	80
Cleveland Farm	HYDRANT METER	Agricultural	128
Cleveland Farm	7550 BICKMORE AVE #SPR-RC	Agricultural	88
CLEVELAND FARM #1	Bickmore East of Euclid#SPR-RC	Agricultural	274
CW Farms	S Pine/W of W Preserve Loop #RC	Agricultural	900
CW Farms II	Pine Ave W/of Grove #RC	Agricultural	121
CW Farms III	Remington/Walker Ave. #RC	Agricultural	680
DR Horton	HYDRANT METER	Agricultural	0
HERMAN WEISSKER INC	HYDRANT METER	Agricultural	14
La Brucherie Farms	Kimball & Rincon Meadows #RC	Agricultural	408
MESA CONTRACTING CORP	SOUTH/E OF COLLEGE BLDG #RC	Agricultural	10
Nyenhius Dairy	8711 Remington Ave #AGR	Agricultural	838
ORANGE COUNTY WATER DISTRICT	HYDRANT METER 1	Agricultural	1
Richardson, Don	Kimball & Rincon Meadows #RC	Agricultural	82
Standard Pacific	0 HYD MTR 04074614	Agricultural	1
Superior Sod #4	8900 Bickmore Ave.	Agricultural	2
WESTSTEYN DAIRY	8300 PINE AVE	Agricultural	859
<b>Chino Agricultural Usage (AF)</b>			<b>6,226</b>
PARKCREST CONSTRUCTION INC	7105 KIMBALL AVE	Construction	4
PARKCREST CONSTRUCTION INC	15709 EUCLID AVE	Construction	3
PARKCREST CONSTRUCTION INC	EUCLID AVE/KIMBALL AVE	Construction	31
Portrait Construction, Inc.	Portrait Construction, Inc.	Construction	2
STICE COMPANY INC	Pine/Euclid NW Corner	Construction	12
SUKUT CONSTRUCTION INC	8600 Chino Corona Rd.	Construction	0
DOWNING CONSTRUCTION INC	Mountain/Bickmore	Construction	0
GMC ENGINEERING INC	HYDRANT METER	Construction	0
Oltmans Construction	15970 MOUNTAIN AVE	Construction	0
STICE COMPANY INC	Pine/Euclid NW Corner	Construction	9
<b>Chino Construction Usage (AF)</b>			<b>62</b>
Calif Cogeneration	5605 COLLEGE PARK AVE #RC	Industrial	96
Superior Sod	PINE & HELLMAN #SPR-RC	Industrial	270
Superior Sod	CHINO CORONA RD #SPR-RC	Industrial	180
Superior Sod	CHINO CORONA RD	Industrial	167
Superior Sod #4	8545 PINE AVE - RC	Industrial	196
FIRST INDUSTRIAL	6185 KIMBALL AVE	Industrial	3
SUPERIOR SOD AIRPORT #1	KIMBALL AVE/WALKER AVE	Industrial	56
<b>Chino Industrial Usage (AF)</b>			<b>968</b>
AGAVE NEIGHBORHOOD ASSOCIATION	8100 W PRESERVE LOOP #SPR-RC	Landscape	11
All Coast Forest Products	13880 Monte Vista Ave #RC	Landscape	7
American Power Conversion	14875 Monte Vista Ave #SPR-RC	Landscape	7
American Power Conversion	14725 Monte Vista Ave #SPR-RC	Landscape	9
BOBERG ENGINEERING	HYDRANT METER	Landscape	9
Cal Poly Pomona	4575 Eucalyptus Ave #SPR-RC	Landscape	1
Cal Trans	Chino Hills Pkwy/71 #SPR-RC	Landscape	12
California Custom Shapes	5051 Edison Ave	Landscape	1
Central Business Owners Assoc	13931-13965 Central Ave	Landscape	5
Central Park Industrial PTNRS	14760 Central Ave	Landscape	5
City of Chino (Continued)			
Customer	Site Address	Type	Total AF
Central Park Industrial PTNRS	14602-14698 Central Ave	Landscape	8
Central Park Industrial PTNRS	14091 Twelfth St.	Landscape	3
Central Park Industrial PTNRS	14508 Central Ave	Landscape	7
Chaffey College	5897 College Park Ave #SPR-RC	Landscape	5
CHAFFEY COLLEGE	5890 COLLEGE PARK AVE	Landscape	6

**APPENDIX C**  
Recycled Water Users and Demands

Chandler Real Properties	15342 El Prado Rd #SPR-RC	Landscape	4
Chino Development Corporation	Wetlands Project	Landscape	57
Chino Development Corporation	PRESERVE/RINCON MW HYD-R	Landscape	7
Chino Hills Ford	4480 Chino Hills Pkwy #SPR-RC	Landscape	10
Chino Industrial Commons	5505 Daniels St. #SPR-RC	Landscape	4
Chino Industrial Commons-Owners	5625 Daniels St. #SPR-RC	Landscape	5
CITRUS COMMONS	PARKSIDE/WEST PRES #SPR RC	Landscape	8
City of Chino	Edison Ave Bike Trail	Landscape	20
City of Chino	5604 COLLEGE PARK AVE #SPR-RC	Landscape	330
City of Chino Ayala Park	5301 Edison Ave	Landscape	53
CITY OF CHINO AYALA PARK	5301 Edison Ave	Landscape	56
COLLEGE PARK COMMUNITES	6524 WHEATON #SPR-RC	Landscape	4
COLLEGE PARK COMMUNITES	6572 WHEATON	Landscape	4
College Park Community Assoc	Eucalyptus/San Antonio #SPR	Landscape	16
College Park Community Assoc	San Antonio A/Standford #SPR-RC	Landscape	5
College Park Community Assoc	Eucalyptus/Fern #SPR-RC	Landscape	7
College Park Community Assoc	6975 EDINBORO ST #SPR-RC	Landscape	1
College Park Community Assoc	6623 CLEMSON ST #SPR-RC	Landscape	8
College Park Community Assoc	EUCALYPTUS	Landscape	4
College Park Community Assoc	EUCALYPTUS #SPR-RC	Landscape	11
College Park Community Assoc	6555 EUCALYPTUS	Landscape	5
College Park Community Assoc 1	Clemson/Tuskegee So #SPR-RC	Landscape	5
College Park Community Assoc 2	Clemson/Tuskegee No #SPR-RC	Landscape	8
Collins Company	5470 Daniels St.	Landscape	2
Colonial Electric	14981 Telephone Ave	Landscape	1
CP BUSINESS PARK PARTNERS LP	CENTRAL/CHINO HILLS PK SPR-RC	Landscape	10
CT Storage-Chino LLC	13855 Central Ave #SPR-RC	Landscape	8
DBRS Medical System	13820 Benson Ave	Landscape	1
Dept. of Corrections State	14515 Central Ave #B SPR/R	Landscape	10
DO + ABLE Product	5150 Edison Ave	Landscape	6
DR Horton	Purdue/Eucalyptus Ave HYD-R	Landscape	0
DR Horton	14569 Purdue	Landscape	4
DSC Logistics	5116 Chino Hills Parkway	Landscape	11
DSC Logistics	5026 CHINO HILLS PARKWAY	Landscape	2
DSC Logistics	5026 CHINO HILLS PARKWAY #SPR-RC	Landscape	1
El Prado Rd Business Owners	15278 EL PRADO RD	Landscape	6
EQUIPMENT WHOLESALERS	Daniels Ave #SPR-RC	Landscape	1
EVERBLOOM ENTERPRISE LLC	13975 CENTRAL AVE	Landscape	5
Evergreen at The Preserve	15731 Earhart Ct #SPR-RC	Landscape	9
Evergreen at the Preserve (222671-2)	8200 Garden gate ct #SPR-RC	Landscape	1
Excel INC	14701 Yorba CT	Landscape	5
Farrand Enterprises	14375 Monte Vista Ave #SPR-RC	Landscape	2
Funding Resources	13960 Benson Ave	Landscape	3
FUSION 5 CONDO ASSOCIATION	15804 MCINTOSH AVE	Landscape	3
Garrett Concrete	14923 Telephone Ave	Landscape	1
Garrett Concrete	14920 Telephone Ave	Landscape	1

**City of Chino (Continued)**

Customer	Site Address	Type	Total AF
GILBERT WEST	16133 S FERN AVE	Landscape	13
Godinho Equipment	SAN ANTONIO/EUCALYPTUS #HYD RC	Landscape	0
Gro-Power Inc	15065 Telephone Ave	Landscape	2
H PLACENICIA NURSERY	8005 PINE AVENUE	Landscape	30
HILL PHOENIX INC	14680 MONTE VISTA AVE	Landscape	7
HYUNDAI-KIA AMERICA	14011 TWELFTH ST #SPR-RC	Landscape	2
INSTITUFORM TECHNOLOGIES INC	HYDRANT METER	Landscape	4
Jasmine Willows HOA	Begonia & Holland Park #SPR	Landscape	2
K-8 SCHOOL (PRESERVE)	8150 GARDEN PARK SCHOOL #SPR	Landscape	20
KB Homes	7988 PINE AVE	Landscape	14
KB Homes	HYDRANT METER	Landscape	2
KB Homes	BICKMORE/HUNTINGTON GARDEN	Landscape	3

**APPENDIX C**  
Recycled Water Users and Demands

Kinfine USA Inc	13824 YORBA AVE	Landscape	5
LENNAR HOMES OF CA	6287 EUCALYPTUS AVE	Landscape	16
LENNAR HOMES OF CA	6069 EUCALYPTUS AVE	Landscape	14
LENNAR HOMES OF CA	5981 EUCALYPTUS AVE	Landscape	13
LENNAR HOMES OF CA	6088 SATTERFIELD	Landscape	4
LENNAR HOMES OF CA	6291 SATTERFIELD	Landscape	7
LENNAR HOMES OF CA	6019 Appalachian	Landscape	8
LENNAR HOMES OF CA	LENNAR HOMES OF CALIFORNIA	Landscape	1
LENNAR HOMES OF CA	HYDRANT METER	Landscape	0
LENNAR HOMES OF CA	HYDRANT METER	Landscape	9
LENNAR HOMES OF CA	14123 OAKS AVE	Landscape	19
LENNAR HOMES OF CA	14124 OAKS AVE	Landscape	12
LENNAR HOMES OF CA	14197 OAKS AVE	Landscape	0
Lewis Operating Corp	Main St/Kimball Ave, Hydrant Meter	Landscape	23
Lewis Operating Corp	16100 Rincon Meadows	Landscape	14
LW INCOME PROPERTIES	5051 EDISON AVE #SPR-RC	Landscape	0
Majestic Management	14510-70 Monte Vista Ave #SPR	Landscape	9
MEF Realty LLC	5220-5228 Edison Ave #SPR-RC	Landscape	2
MONTE VISTA #3	14720 MONTE VISTA AVE #SPR-RC	Landscape	7
MONTE VISTA #3	14880 MONTE VISTA AVE #SPR-RC	Landscape	4
National Distribution Center	16045 MOUNTAIN AVE	Landscape	18
National Distribution Center	16045 MOUNTAIN AVE #SPR-RC	Landscape	26
NEXGRILL INDUSTRIES INC	5270 EDISON AVE	Landscape	3
NORCO INJECTION MOLDING	14286 Monte Vista	Landscape	3
NORCO INJECTION MOLDING	5500 DANIELS AVE #SPR-RC	Landscape	1
NORCO INJECTION MOLDING	14325 MONTE VISTA AVE	Landscape	7
OMNIA ITALIAN DESIGN	4950 Edison Ave #SPR-RC	Landscape	8
Panattoni Construction	4565 Eucalyptus Ave #SPR-RC	Landscape	6
Panattoni Construction	14559 Ramona Ave #MED-RC	Landscape	2
Panattoni Construction	14607 Ramona Ave #SPR-RC	Landscape	5
Panattoni Construction	14609 Ramona Ave #SPR-RC	Landscape	5
Panattoni Construction	4685 EUCALYPTUS AVE #SPR-RC	Landscape	3
Preserve Maintenance Corp	8273 KIMBALL AVE #SPR-RC	Landscape	4
Preserve Maintenance Corp	15702 Meadow Valley #SPR-RC	Landscape	4
Preserve Maintenance Corp	15703 Meadow Valley #SPR-RC	Landscape	2
Preserve Maintenance Corp	8595 Forest Park #SPR-RC	Landscape	3
Preserve Maintenance Corp	8381 Kimball Ave #SPR-RC	Landscape	5
Preserve Maintenance Corp	7703 Kimball Ave #SPR-RC	Landscape	7
Preserve Maintenance Corp	15990 Nature Trail #SPR-RC	Landscape	14

**City of Chino (Continued)**

Customer	Site Address	Type	Total AF
Preserve Master Community	15779 Starfighter Ave #SPR-R	Landscape	2
Preserve Master Corp	7920 Bickmore Ave #SPR-RC	Landscape	6
Preserve Master Corp	8704 Bridle Path ST #A #SPR	Landscape	18
PRESERVE MASTER MAINTENANCE	7973 KIMBALL AVE #SPR-RC	Landscape	5
PRESERVE MASTER MAINTENANCE	8456 E PRESERVE LOOP #SPR-RC	Landscape	8
PRESERVE MASTER MAINTENANCE	8344 FOREST PARK ST #SPR-RC	Landscape	5
PRESERVE MASTER MAINTENANCE	8473 FOREST PARK ST #SPR-RC	Landscape	3
PRESERVE MASTER MAINTENANCE	8100 W PRESERVE LOOP #SPR-RC	Landscape	8
PRESERVE MASTER MAINTENANCE	8179 KIMBALL AVE #SPR-RC	Landscape	2
PRESERVE MASTER MAINTENANCE	15750 MILL CREEK #SPR-RC	Landscape	4
PRESERVE MASTER MAINTENANCE	7714 BICKMORE AVE SPR-RC	Landscape	11
PRESERVE MASTER MAINTENANCE	8151 WEST PRESERVE LOOP-PARK	Landscape	27
PRESERVE MASTER MAINTENANCE	16343 MEADOWHOUSE AVE #SPR-RC	Landscape	6
PRESERVE MASTER MAINTENANCE	8383 KIMBALL AVE #SPR-RC	Landscape	2
PRESERVE MASTER MAINTENANCE	7585 BICKMORE AVE #SPR-RC	Landscape	1
PRESERVE MASTER MAINTENANCE	15591 RETREAT #SPR-RC	Landscape	5
Quetico Schaefer Properties	5610 Daniels St.#SPR/RC	Landscape	5
Redbuilt LLC	5088 EDISON AVE #SPR-RC	Landscape	1
Redwood Business Center	13851-97 Redwood Ave#SPR-RC	Landscape	4

**APPENDIX C**  
Recycled Water Users and Demands

Repet Inc	14207 MONTE VISTA AVE	Landscape	22
RYLAND HOMES OF CA	HYDRANT METER	Landscape	0
SADDLE CREEK CORPORATION	5026 CHINO HILLS PARKWAY	Landscape	4
San Bdno County Fairgrounds	5410 Edison Ave #SPR-RC	Landscape	12
San Bdno County Fairgrounds	5410 Edison Ave, HYD-RC	Landscape	1
SCOTT ENGINEERING	5051 EDISON AVE #SPR-RC	Landscape	1
SEACOUNTRY HOMES	15777 MC INTOSH AVE	Landscape	10
Service Craft LLC	5116 Chino Hills Parkway	Landscape	0
Shamrock Marketing	5445 Daniels St	Landscape	1
SOUTHERN CALIFORNIA EDISON	14005 BENSON AVE	Landscape	1
Standard Pacific	6632 EUCALYPTUS AVE	Landscape	1
Standard Pacific	15784 Canopy Ave #SPR-RC-Park	Landscape	9
Sundance Spas	14525 Monte Vista Ave #SPR-RC	Landscape	8
Sundance Spas	14675 Monte Vista Ave #SPR-RC	Landscape	5
Tetherwinds Neighborhood	158519 LINDBERGH AVE	Landscape	6
Tetherwinds Neighborhood	15850 Lindbergh Ave #SPR-RC	Landscape	5
Tetherwinds Neighborhood	158519 LINDBERGH AVE	Landscape	4
Tetherwinds Neighborhood	15754 Lindbergh Ave #SPR-RC	Landscape	6
The Campus Owners Corp	14091 TWELFTH ST B-SPR	Landscape	6
The Preserve Master Community	15871 Main Street #SPR-RC	Landscape	10
The Preserve Master Community	EAST HUNTINGTON GARDEN #SPR-RC	Landscape	12
The Preserve Master Community	8122 Garden Park St #SPR-RC	Landscape	7
The Preserve Master Community	15784 CANOPY AVE #SPR-RC PARK	Landscape	2
Trammel Crow So Cal Inc	14651 Yorba Ct SPR-RC	Landscape	6
Trammel Crow So Cal Inc	14575 Yorba Ct	Landscape	3
Trammel Crow So Cal Inc	4775 Eucalyptus Ave	Landscape	4
Trammel Crow So Cal Inc	YORBA/EUCALYPTUS (SW) #SPR-RC	Landscape	1
Trammel Crow So Cal Inc	14525 YORBA AVE #SPR RC	Landscape	3
Valbruna	13930-13950 Benson Ave #SPR-RC	Landscape	2
Viaverde Nursery	MAIN ST/FORREST PARK #SPR-RC	Landscape	40
Viaverde Nursery	15801 E PRESERVE LOOP #SPR-RC	Landscape	12
Viaverde Nursery	15800 E PRESERVE #SPR-RC	Landscape	49
<b>City of Chino (Continued)</b>			
Customer	Site Address	Type	Total AF
VIRAMONTES EXPRESS	8600 CHINO CORONA RD #HYD-RC	Landscape	4
WL Homes	Kimball/Preserve #HYD	Landscape	1
Warehouse Technology	5065 Eucalyptus Ave	Landscape	6
Warehouse Technology	5151 Eucalyptus	Landscape	7
WATSON LAND COMPANY	6911 BICKMORE AVE #SPR-RC	Landscape	13
Woodbury Neighborhood Association	7034 EDINBORO AVE	Landscape	7
Yin, Zhihua	13860 Benson Ave. #SPR-RC	Landscape	2
Yorba Industrial Center	13901 Yorba Ave #SPR-RC	Landscape	8
Yorba Industrial Center	14670 YORBA CT	Landscape	7
Yoshimura R&D	5420 Daniels St #SPR-RC	Landscape	3
Yoshimura Racing LLC	5411 Daniels St #SPR-RC	Landscape	0
Yoshimura Racing LLC	5411 Daniels St #HYD/RC	Landscape	0
KB Homes	8090 PINE AVE	Landscape	45
LENNAR HOMES OF CA	6287 SHEFFIELD ST	Landscape	0
LENNAR HOMES OF CA	14687 APPALACHIAN ST	Landscape	1
LENNAR HOMES OF CA	14549 APPALACHIAN ST	Landscape	1
LENNAR HOMES OF CA	HYDRANT METER	Landscape	3
Standard Pacific	6615 EUCALYPTUS AVE	Landscape	1
<b>Chino Landscape Usage (AF)</b>			<b>1,702</b>
<b>Chino Total Usage (AF)</b>			<b>8,957</b>

**APPENDIX C**  
Recycled Water Users and Demands

City of Chino Hills			
Customer	Site Address	Type	Total AF
5771 Pine Ave (5651 Pine Ave, LLC)	5771 Pine Ave	Agricultural	3
City of Chino Hills	15941 Fairfield Ranch Rd	Agricultural	2
City of Chino Hills	16886 Butterfield Ranch Rd	Agricultural	4
Country Club Market Place II	15948 Los Serranos Country Club D	Agricultural	0
Monte Vista Farmer (1)		Agricultural	36
Vellano Golf Course	15100 Fairfield Ranch Rd	Agricultural	26
Vista San Juan / C.C. Medical Center	15944 Los Seranos C.C. Dr,	Agricultural	1
<b>Chino Hills Agricultural Usage (AF):</b>			<b>72</b>
15870 Soquel Canyon Pkwy	15870 Soquel Canyon Pkwy	Landscape	4
15872 Soquel Canyon Pkwy	15872 Soquel Canyon Pkwy	Landscape	0
15944 Los Serranos Country Club Dr. (4-09 just	15944 Los Serranos Country Club Dr.	Landscape	0
16343 Canyon Rim Dr	16343 Canyon Rim Dr	Landscape	6
16370 Vista Ct	16370 Vista Ct	Landscape	17
3550 Woodview Rd.	3550 Woodview Rd.	Landscape	3
4670 Soquel Cyn Pkwy	4670 Soquel Cyn Pkwy	Landscape	4
6085 Butterfield ranch road	6085 Butterfield Ranch Road	Landscape	13
6087 Butterfield ranch road	6087 Butterfield Ranch Road	Landscape	11
7-Eleven (15450 Fairfield Ranch Rd)	15450 Fairfield Ranch Rd	Landscape	3
Albertsons	4999 Soquel Canyon Parkway	Landscape	9
ARCO	15380 Fairfield Ranch Rd	Landscape	0
Artisan	16594 Slate east (3190159)	Landscape	22
Artisan	16302 Butterfield Ranch Rd	Landscape	7
Artisan	16308 Butterfield Ranch Rd (14551-1)	Landscape	6
Artisan	16675 C State Dr	Landscape	4
Big League Dreams	16333 Fairfield Ranch Rd	Landscape	43
BRR HOA	16780 Quail Country Ave	Landscape	14
BRR HOA	16804 Butterfield Ranch Rd	Landscape	9
BRR HOA	16572 Butterfield Ranch Rd	Landscape	13
C.U.S.D.	5130 Riverside Dr, Chino, CA 91710	Landscape	37
C.U.S.D.	5130 Riverside Dr	Landscape	5
CalTrans	East of Mesa Oak Ave	Landscape	10
CalTrans	1 Monte Vista Ave	Landscape	7
Centex	High View at Opal (3177799)	Landscape	0
Centex	x from 5008 Glen View (3181307)	Landscape	0
Centex	4937 Glen View (3187716)	Landscape	9
Centex	16857 Verbana (3160264)	Landscape	0
Centex	16857 Verbana east	Landscape	23
Centex	5044 Glen View (3212515)	Landscape	0
Centex	5139 Glen View (3212754)	Landscape	8
Centex	Highview & Glenview (3452614)	Landscape	24
Centex	16679 High View	Landscape	0
Centex	High View /buckwheat (3453402)	Landscape	5
Centex	High View west (3453563)	Landscape	5
Chapparral Elem. School (4342912)	4849 E Bird Farm Rd (Chaparral School)	Landscape	16
Chino Hills Business Park	15360 E Fairfield Ranch Rd (3384301)	Landscape	5
Chino Hills Business Park	15330 A Fairfield Ranch Rd	Landscape	5
Chino Hills Business Park	15315 E Fairfield Ranch Rd	Landscape	7
Chino Hills Business Park	15325 E Fairfield Ranch Rd	Landscape	6
Chino Hills Car Wash	15969 Los Serranos Country Club Dr	Landscape	0
Chino Hills Storage	15315 Los Serranos Road	Landscape	1
Chino Valley Fire	5551 Butterfield Ranch Rd	Landscape	2
<b>City of Chino Hills (Continued)</b>			
Customer	Site Address	Type	Total AF
City of Chino Hills	5005 Soquel Canyon Pkwy	Landscape	2
City of Chino Hills	15695 Fairfield Ranch Rd (Danbury Park)	Landscape	12
City of Chino Hills	15697 Fairfield Ranch Rd (Danbury Park)	Landscape	11
City of Chino Hills	5331 Picasso Dr	Landscape	1
City of Chino Hills	4639 Chino Hills Pkwy	Landscape	2

**APPENDIX C**  
Recycled Water Users and Demands

City of Chino Hills	4792 Sapphire Rd	Landscape	5
City of Chino Hills	16343 Fairfield Ranch Rd	Landscape	22
City of Chino Hills	5901 Butterfield Ranch Rd	Landscape	2
City of Chino Hills	17350 Butterfield Ranch Rd	Landscape	11
City of Chino Hills	1 Pine Ave	Landscape	2
City of Chino Hills	City of Chino Hills	Landscape	8
City of Chino Hills	Elinver Dr	Landscape	7
City of Chino Hills	0 Butterfield Ranch C Rd	Landscape	12
City of Chino Hills	16200 Slate Dr.	Landscape	13
City of Chino Hills	0 Butterfield Ranch D Rd	Landscape	12
City of Chino Hills	16980 Butterfield Ranch Rd	Landscape	7
City of Chino Hills	16186 Butterfield Ranch Rd	Landscape	9
City of Chino Hills	6060 Natalie Rd (Hunter Hill Park)	Landscape	16
City of Chino Hills	16464 Butterfield Ranch Rd	Landscape	7
City of Chino Hills	1 Hunters Hill Dr	Landscape	4
Country Club Villa	15447 B Pomona Rincon Rd	Landscape	1
Dennys	Fairfield Ranch Rd & Central Ave	Landscape	4
EGM Management	4641 Chino Hills Pkwy	Landscape	12
EGM Management	4635 Chino Hills Pkwy	Landscape	14
EGM Management	4631 Chino Hills Pkwy	Landscape	14
Fairfield Ranch HOA	15966 Fairfield Ranch Rd (West @ Victoria Fal	Landscape	10
Fieldstone	4022 Soquel Canyon Rd. (Fieldstone)	Landscape	2
Fieldstone	16343 Canyon Rim Dr	Landscape	0
Higgins Ranch Community	3 Heritage Dr	Landscape	4
Higgins Ranch Community	1 Heritage Dr.	Landscape	8
Higgins Ranch Community	2 Heritage Dr	Landscape	4
Higgins Ranch Community	16110 Butterfield Ranch Rd	Landscape	0
Hyoung Corp	15380 Fairfield Ranch Rd	Landscape	2
Lexington	4915 Torrey Pines Dr. (Lexington HOA)	Landscape	1
Los Serranos Golf Course	Pinehurst Tract 14427	Landscape	187
Los Serranos Golf Course	15656 Yorba Ave	Landscape	157
Los Serranos Ranch Comm. Assoc.	4249 Soquel Cyn Pkwy	Landscape	12
New Vellano		Landscape	10
New Vellano		Landscape	5
New Vellano		Landscape	2
New Vellano		Landscape	441
New Vellano		Landscape	2
Pine Corp Center (4274439)	5825 Pine Avenue	Landscape	7
Pine Corp Center (4279489)	5825 Pine Avenue	Landscape	11
Ridgegate HOA		Landscape	12
Ridgegate HOA	16359 Canyon Rim Dr	Landscape	7
Ridgegate HOA	3989 Golden Terrace Ln	Landscape	6
Ridgegate HOA	3987 Golden Terrace Ln	Landscape	13
Ridgegate HOA	16361 Canyon Rim Dr.	Landscape	14
Ridgegate HOA	16341 Canyon Rim Dr.	Landscape	15
Rincon Park	16202 Pinehurst Drive	Landscape	19
<b>City of Chino Hills (Continued)</b>			
Customer	Site Address	Type	Total AF
Rincon Park	16202 Pinehurst Drive	Landscape	0
Standard Pacific	5641 Tipu Tree (4369857)	Landscape	13
Standard Pacific	5381 Tipu Tree (61613321)	Landscape	12
Standard Pacific	5488 Pine (62078505)	Landscape	6
Standard Pacific	5331 Buttonwood (62078507)	Landscape	8
Standard Pacific	5378 Pine (98650539)	Landscape	11
Standard Pacific	16791 Morning Glory (99528055)	Landscape	11
Standard Pacific	5361 Ebony (999001111)	Landscape	10
Standard Pacific	5393 Carob (99900120)	Landscape	15
Sterling Downs Apartments	16011 Butterfield Ranch Rd - (Sterling Downs	Landscape	5
Sterling Downs Apartments	16011 Butterfield Ranch Rd - (Sterling Downs	Landscape	4
Taylor Woodrow	16675 Slate (3185134)	Landscape	6

**APPENDIX C**  
Recycled Water Users and Demands

Taylor Woodrow	5181 Fox Hall (3275266)	Landscape	6
Taylor Woodrow	5221 High View (3533362 )	Landscape	2
Vellano	3230 Venezia Terrace	Landscape	12
Vellano	3199 Woodview Rd	Landscape	6
Vellano Homeowner	16525 Palmero Dr	Landscape	2
Vellano Homeowner	2535 Venazia Ter	Landscape	5
Vellano Homeowner	13875 Catena Dr	Landscape	0
Vellano Homeowner	16626 Catena Dr	Landscape	5
Vellano Homeowner	2491 Milano Terr	Landscape	7
Vellano Homeowner	16797 Palermo Dr	Landscape	6
Vellano Homeowner	16327 Aviano Ln	Landscape	0
Vellano Homeowner	3015 Aviano Ct	Landscape	7
Vellano Homeowner	16318 Aviano Ln	Landscape	4
Vellano Homeowner	16685 Palermo Dr	Landscape	5
Vellano Homeowner	2960 Venezia Ter	Landscape	7
Vellano Homeowner	3233 Venezia Ter	Landscape	9
Vellano Homeowner	16311 Aviano Ln	Landscape	8
Vellano Homeowner	2983 Aviano Ct	Landscape	4
Vellano Homeowner	2425 Milano Ter	Landscape	8
Vellano Homeowner	2421 Milano Ter	Landscape	1
Vellano Homeowner	2850 Venezia Ter	Landscape	8
Vellano Homeowner	3066 Venezia Ter	Landscape	8
Vellano Homeowner	16622 Catena Dr	Landscape	1
Vellano Homeowner	16401 Aviano Ln	Landscape	7
Vellano Homeowner	16337 Aviano Ln	Landscape	8
Vellano Homeowner	2753 Woodview Rd	Landscape	4
Vellano Homeowner	2977 Versnate Ter	Landscape	4
Vellano Homeowner	2681 Vellano Club Dr	Landscape	10
Vellano Homeowner	2308 Vellano Club Dr	Landscape	4
Vellano Homeowner	2316 Vellano Club Dr	Landscape	4
Vellano Homeowner	2312 Vellano Club Dr	Landscape	3
Vellano Homeowner	2999 Woodview Rd	Landscape	6
Vellano Homeowner	2975 Woodview Rd	Landscape	4
Vellano Homeowner	2925 Woodview Rd	Landscape	0
Wickman Elem	16250 Pinehurst Ave	Landscape	16
<b>Chino Hills Landscape Usage (AF):</b>			<b>1,817</b>
<b>Chino Hills Total Usage (AF):</b>			<b>1,890</b>

**APPENDIX C**  
Recycled Water Users and Demands

City of Ontario			
Customer	Site Address	Type	Total AF
Bedford Properties	4100 E Jurupa	Agricultural	5
Bedford Properties	1420 S Milliken	Agricultural	2
Bedford Properties	1460 S Milliken	Agricultural	3
Calif Com Cntr Owners (North)	4205 E Airport	Agricultural	9
Calif Com Cntr Owners (North)	4205 E Airport	Agricultural	4
Chaffey High School (Valley View)	7233 E Eucalyptus	Agricultural	254
City of Ontario	2701 E Guasti	Agricultural	11
City of Ontario (Fire Station #6)	2931 E Philadelphia	Agricultural	42
City of Ontario (Fire Station #6)	2931 E Philadelphia	Agricultural	0
Cleveland Farm	14451 Bon View	Agricultural	24
Cleveland Farm	7565 Eucalyptus	Agricultural	10
Cleveland Farm	7565 Eucalyptus	Agricultural	40
Cleveland Farm	15133 Carpenter	Agricultural	305
Cleveland Farm	8061 E Edison	Agricultural	41
Cleveland Farm	7511 E Eucalyptus	Agricultural	129
Cleveland Farm	9155 E Riverside Dr.	Agricultural	101
David Li	9110 E Edison Ave	Agricultural	9
Dial Chemical	600 S Wineville Ave	Agricultural	10
Feed the Children	2551 E Philadelphia	Agricultural	1
Kohls	1051 N Milliken	Agricultural	0
LaBrucherie Farm	9343 E Edison Ave	Agricultural	483
Legend Dairies (Petersma)	7565 Eucalyptus	Agricultural	0
Lewis Farms	9491 E Edison Ave	Agricultural	95
Li Farm (Western Oriental Growers)	9119 E Schaeffer	Agricultural	251
Li Yuan Farms	9110 E Edison Ave	Agricultural	64
Li Yuan Farms	9110 E Edison Ave	Agricultural	136
Murai Farm	9091 E. Edison Ave	Agricultural	210
Murai Farm	9091 E. Edison Ave	Agricultural	318
Nexen Tire America Inc	4305 E Jurupa	Agricultural	3
Ontario Lodging Associates LLC	3663 E Guasti	Agricultural	3
Stein & Roitblat Living Trusts	701 S Dupont	Agricultural	3
Yoog II Farm Inc.	14133 Carpenter Ave	Agricultural	191
Cleveland Farm	7565 Eucalyptus	Agricultural	275
<b>Ontario Agricultural Usage (AF):</b>			<b>3,033</b>
City of Ontario Street Sweepers	1425 S Bon View	Construction	1
<b>Ontario Construction Uage (AF):</b>			<b>1</b>
Cintas	2150 Proforma Ave	Industrial	81
Shelby Office Park (PDEV04-006)	3112 E Inland Empire	Industrial	16
Temple Inland Paper	5100 Jurupa St	Industrial	891
Cintas	2150 S Proforma	Industrial	3
<b>Ontario Industrial Usage (AF):</b>			<b>992</b>
24 Hour Fitness	2580 S Archibald	Landscape	2
Acco America	2830 E Philadelphia	Landscape	2
AEG Ontario Arena	4000 E Ontario Center Pkwy (5277545)	Landscape	14
AEG Ontario Arena	4000 E Ontario Center Pkwy (5279471)	Landscape	12
AEG Ontario Arena	4000 E Ontario Center Pkwy (5284910)	Landscape	12
Akzo Nobel Coatings (Haven B)	2160 S Haven	Landscape	1
Archibald & Philadelph (03177014) 2300 S Archibald	2300 S Archibald	Landscape	0
Archibald & Philadelph (03452888) 2200 S Archibald	2200 S Archibald Ave	Landscape	6
Archibald & Philadelph (03452952) 2320-S Archibald	2320-2330 S Archibald	Landscape	3
Archibald & Philadelph (03624103) 2260 S Archibald	2260 S Archibald Ave	Landscape	6
Archibald & Philadelph (04723822) 2340 S Archibald	2340 S Archibald	Landscape	0
Arrowood Invest	2155 S Excise	Landscape	12
<b>City of Ontario (Continued)</b>			
Customer	Site Address	Type	Total AF
Bedford Properties	4200 E Jurupa	Landscape	4
Bellevue Cemetery	1240 W G Street	Landscape	157
Bootsma Farm	7721 E. Edison Ave	Landscape	94
BP West Coast Products,LLC #5965	4525 E Jurupa St	Landscape	1

**APPENDIX C**  
Recycled Water Users and Demands

Caliber Collision	250 S. Wineville	Landscape	1
Caliber Collision	200 S. Wineville	Landscape	1
California Commerce Center	1 Jurupa N Side	Landscape	14
California Commerce Center	1 Jurupa N Side	Landscape	9
California Commerce Center	1 Jurupa S Side	Landscape	5
California Commerce Center	1 S Rockfeller	Landscape	4
CalTrans	2291 S Archibald Ave	Landscape	13
CalTrans	2448 S Archibald Ave	Landscape	56
Castle Industries	601 S Dupont	Landscape	2
CCC-N	300 S Milliken	Landscape	14
CCC-N	3660 E Airport	Landscape	11
CCC-N	4151 E Jurupa	Landscape	9
CCC-N	1 S Milliken	Landscape	10
CCC-N	1152 S Milliken	Landscape	15
CCC-N	1 S Rockefeller	Landscape	2
CCC-N	4081 E Airport	Landscape	6
CCC-N	1 E Jurupa	Landscape	11
CCC-N	4400 E Jurupa	Landscape	6
CCC-N	880 S Dupont	Landscape	5
CCC-N	1425 S Haven	Landscape	13
CCC-N	1119 S Milliken	Landscape	5
CCC-N	4301 E Airport	Landscape	5
CCC-N	1380 S milliken	Landscape	10
CCC-N	1 S Commerce	Landscape	12
CCC-S	2123 S Proforma Ave	Landscape	6
CCC-S	2030 S Haven	Landscape	3
CCC-S	2021 S Archibald Ave	Landscape	11
CCC-S	2626 E Cedar St	Landscape	11
CCC-S	2764 E Philadelphia	Landscape	7
CCC-S	2190 S Excise	Landscape	18
CCC-S	2924 E Philadelphia	Landscape	4
Centrelake Assn	3261 E Guasti	Landscape	37
Chaffey High School	500 W Fourth	Landscape	37
Chevron Land	840 N Haven	Landscape	20
Chevron Land	3399 E Inland Empire	Landscape	14
Chevron Land	950 N Center	Landscape	14
Chevron Land	1025 N Center	Landscape	4
Chevron Land	4198 E Concours	Landscape	11
Chevron Land	4004 E Fourth	Landscape	11
Chevron Land	4004 E Fourth	Landscape	4
Chevron Land	3500 E Concours	Landscape	9
Chevron Land	950 N Duesenberg	Landscape	3
Chevron Land	980 N Haven	Landscape	7
Chevron Land	904 N Turner	Landscape	4
Cintas	2150 Proforma Ave	Landscape	4
City of Ontario	1495 S Dupont	Landscape	4
City of Ontario	2442 S. Archibald Ave	Landscape	1
City of Ontario	610 N Turner	Landscape	12
City of Ontario	2289 S Archibald Ave	Landscape	0

**City of Ontario (Continued)**

Customer	Site Address	Type	Total AF
City of Ontario (4th/Milliken Parkway)	4320 E Fourth	Landscape	6
City of Ontario (Holt/Guasti East)	1 Kline Center/Holt	Landscape	1
City of Ontario (Holt/Guasti West)	2200 E Holt	Landscape	2
City of Ontario (Soccer Complex)	2400 E Philadelphia	Landscape	50
CK Restaurants	4555 E Jurupa Street	Landscape	2
Comstock Homes	2750 E Archibald	Landscape	4
Concours Plaza	3333 E Concours	Landscape	7
Concours Retail	3491 E Concours St	Landscape	3
Corona Elementary School (OMSD)	1040 N Corona Ave	Landscape	17
Corona Elementary School (OMSD)	1040 N Corona Ave	Landscape	3

**APPENDIX C**  
Recycled Water Users and Demands

Customized Distribution	2151 S Proforma	Landscape	21
Del Norte Elementary School	850 N Del Norte Ave	Landscape	44
Dorthy Gibson Continuation School	1800 E Seventh Street	Landscape	30
Doubletree	228 N Vineyard	Landscape	6
Doubletree	228 N Vineyard Ave	Landscape	10
Dura Coat Powder Coating	190 S. Wineville	Landscape	0
EJM Development	101 S Milliken	Landscape	2
Elderberry Elementary School (OMSD)	950 N. Elderberry Ave	Landscape	9
Ely Basin #3	2095 S Vineyard Ave	Landscape	3
Empire Towers	4200 E Concours	Landscape	4
Empire Towers	3800 E Concours	Landscape	2
Empire Towers	3633 E Inland Empire	Landscape	1
Ferrari Corporate Center LLC	4150 E Concours	Landscape	8
Fire Station	2931 Philadelphia	Landscape	1
Flags Importer	1700 S Milliken	Landscape	6
FRUIT GROWERS SUPPLY	225 S WINEVILLE AV	Landscape	34
G & K Services	3465 E Cedar	Landscape	6
Galvin Park	1 Galvin Park	Landscape	18
Galvin Park	1205 E I St	Landscape	14
Galvin Park	1 City - East I St.	Landscape	17
Galvin Park	1205 E I St	Landscape	5
Guasti Park	800 N Archibald	Landscape	38
Guasti Park	800 N Archibald	Landscape	37
Haliburton	2539 E Philadelphia	Landscape	5
Haven Ave LLC	3664 E Guasti	Landscape	4
Hino Motor Manufacturing	209 S Milliken	Landscape	4
HMC Architects	3546 E Concours	Landscape	8
Inland Empire Utilities Agency	1818 E Philadelphia	Landscape	3
IT Performance	800 S. Wineville	Landscape	2
JMS Wineville	170 S Wineville Ave	Landscape	1
Kaiser	2295 S Vineyard Ave	Landscape	43
Khaloghli, Khosro	4295 E Jurupa	Landscape	2
Landmark at Ontario Towne LLC	950 N Duesenberg	Landscape	14
Landmark at Ontario Towne LLC	950 N Duesenberg (Top)	Landscape	8
Lord Baltimore Properties	3990 E Concours	Landscape	6
M. Craitenberger	650 S. Wineville	Landscape	1
Majestic Reality	4060 E Jurupa	Landscape	6
Majestic Reality	4061 E Francis	Landscape	9
Majestic Reality	3790 E Jurupa	Landscape	3
Majestic Reality	3505 E Francis	Landscape	8
Majestic Reality	3550 E Jurupa #A	Landscape	3
Majestic Reality	4061 E Francis	Landscape	6
Majestic Reality	1500 S Dupont	Landscape	4

**City of Ontario (Continued)**

Customer	Site Address	Type	Total AF
Majestic Reality	1505 S Haven #5	Landscape	5
Majestic Reality	3690 E Jurupa	Landscape	2
Majestic Reality	3551 E Francis	Landscape	10
Majestic Reality	3551 E Francis	Landscape	7
Mathis Brothers Furniture	4105 E Inland Empire	Landscape	14
Mathis Brothers Furniture	4105 E Inland Empire	Landscape	9
Mercedes Benz of Ontario	3787 E Concours	Landscape	7
Mintra Corp	1690 S Milliken	Landscape	7
Munoz Park	1200 W Fourth	Landscape	46
Niagara Water	2560 E Philadelphia St	Landscape	2
OM Guasti	2855 E Guasti	Landscape	9
Ont Convention Center	2000 E Convention Center	Landscape	18
Ont Industriual Partn	3601 E Jurupa	Landscape	7
Ontario Airport Center	2855 E Guasti	Landscape	9
Ontario Airport Center	2777 E Guasti	Landscape	3
Ontario Airport Center	2855 E Guasti	Landscape	8

**APPENDIX C**  
Recycled Water Users and Demands

Ontario Center (Founders Garden)	3994 E Concours	Landscape	40
Ontario Collision Center	450 S Wineville	Landscape	2
Ontario Commerce Park	801 S Dupont	Landscape	4
Ontario Commerce Park	801 S Dupont	Landscape	1
Ontario Health Education	3130 E Sedona	Landscape	20
ONTARIO MONTCLAIR	1700 E 7TH ST	Landscape	19
ONTARIO MONTCLAIR	1450 E G ST	Landscape	30
ONTARIO MONTCLAIR	1605 E D ST	Landscape	33
Ontario Motor Speedway Park	915 N. Center Ave	Landscape	16
Panattoni Developement (03453746) 2250 S Archibald	2250 S Archibald	Landscape	1
Panattoni Developement (03453746) 2250 S Archibald	2320-2330 S Archibald Ave	Landscape	1
Panattoni Development (Best Buy)	4190 E Fourth	Landscape	4
Panattoni Development (Best Buy)	4190 E Fourth	Landscape	1
Panattoni Development (MT Airport)	285 S Dupont	Landscape	3
Parks Dept. (Galanis Park)	1280 E D St.	Landscape	7
Parks Dept. (Galvin Park West)	1153 E I St.	Landscape	10
Parks Dept. (Galvin Park West)	1153 E I St.	Landscape	19
Parks Dept. (Haven Parkway)	2045 S Haven	Landscape	1
Parks Dept. (Haven Parkway)	2140 S Haven	Landscape	0
Parks Dept. (Veterans Park)	1257 E D St.	Landscape	15
People Movers	150 S. Wineville	Landscape	1
Piemonte 5-story	901 N Via Piemonte	Landscape	3
Piemonte Business Park (04306405)	4004 E Fourth	Landscape	1
Piemonte Business Park (04725037)	4004 E Fourth	Landscape	2
Piemonte Business Park (04920427)	4004 E Fourth	Landscape	1
Piemonte Business Park (04930593)	4004 E Fourth	Landscape	1
Piemonte Business Park (04934728)	4004 E Fourth	Landscape	5
Pier 1 Imports	3000 E Philadelphia	Landscape	10
Pier 1 Imports	3000 E Philadelphia St	Landscape	23
Pier 1 Imports	3000 E Philadelphia	Landscape	2
Poseidon Ontario Airport Plaza	191 N Vineyard	Landscape	3
Prologis California	4091 E Francis	Landscape	10
Prologis California	3510 E Francis	Landscape	6
Prologis California	3550 E Francis	Landscape	8
Prologis California	4060 E Francis	Landscape	11
Prologis California	3550 E Francis	Landscape	8
Prologis California	3510 E Francis	Landscape	3

**City of Ontario (Continued)**

Customer	Site Address	Type	Total AF
Prologis California	4060 E Francis	Landscape	7
Roshan LLC (La Galleria at the Mills)	4323 E Mills Cir	Landscape	2
Ruth Group	3536 E Concours Dr.	Landscape	5
Shelby Office Park (PDEV04-006)	3175 E Sedona Ct	Landscape	8
Sierra Insulation	120 S Wineville	Landscape	1
T S Express	3351 E Philadelphia	Landscape	7
Target	4200 E Fourth	Landscape	9
Top & Tech	400 S. Wineville	Landscape	1
Toyota	1425 S Toyota Way (3164331)	Landscape	12
Toyota	1425 S Toyota Way (3212250)	Landscape	13
Toyota	1425 S Toyota Way (3212327)	Landscape	11
Toyota	1425 S Toyota Way (3217175)	Landscape	0
Toyota	1425 S Toyota Way (5491111)	Landscape	15
Toyota	1425 S Toyota Way (3094467)	Landscape	12
Toyota	1425 S Toyota Way	Landscape	10
Utility Board	100 S Wineville	Landscape	1
Vina Danks Junior High	1020 N Vine	Landscape	18
Vineyard Elementary School	1500 E Sixth Street	Landscape	19
Vineyard Park	1400 E 6TH	Landscape	21
Vineyard Plaza	1865 E Fourth St	Landscape	2
Vintage Apts.	955 N Duesenberg	Landscape	5
Vintage Apts.	955 N Duesenberg	Landscape	5

**APPENDIX C**  
Recycled Water Users and Demands

Warmington Residential Comm. (04748546)	2424 E Fourth	Landscape	5
Wella Mfg	950 S Dupont	Landscape	3
Westwind Park	2522 Riverside Drive	Landscape	58
Whispering Lakes Golf Course	2525 Riverside Drive	Landscape	735
10433 4th st	190 S Wineville Ave	Landscape	0
Calif Com Cntr Owners (North)	3660 E Airport	Landscape	4
Chevron Land	3399 E Inland Empire	Landscape	4
Ont/Mont School Dist - Elem School	930 N Elderberry	Landscape	3
Ontario Airport Center	2855 E Guasti	Landscape	5
Parks Dept. (Veterans Park)	1257 E D St.	Landscape	4
<b>Ontario Landscape Usage (AF):</b>			<b>2,868</b>
<b>Ontario Total Usage (AF):</b>			<b>6,894</b>

**APPENDIX C**  
Recycled Water Users and Demands

City of Upland			
Customer	Site Address	Type	Total AF
City of Upland	463 North Euclid Av. Median	Landscape	1
City of Upland	365 South Euclid Av. Median	Landscape	2
City of Upland	81 North Euclid Av. Median	Landscape	0
City of Upland	561 North Euclid Av. Median	Landscape	1
City of Upland	679 North Euclid Av. Median	Landscape	1
City of Upland	891 North Euclid Av. Median	Landscape	2
City of Upland	825 North Euclid Av. Median	Landscape	2
City of Upland	265 South Euclid Av. Median	Landscape	3
City of Upland	169 North Euclid Av. Median	Landscape	2
City of Upland	121 South Euclid Av. Median	Landscape	0
City of Upland	173 South Euclid Av. Median	Landscape	2
City of Upland	415 South Euclid Av. Median	Landscape	1
City of Upland	263 North Euclid Av. Median	Landscape	2
City of Upland	335 North Euclid Av. Median	Landscape	4
City of Upland	743 North Euclid Av. Median	Landscape	2
City of Upland	967 North Euclid Av. Median	Landscape	1
City of Upland / Memorial Park	1150 East Foothill Blvd.	Landscape	35
City of Upland / Memorial Park	1150 East Foothill Blvd.	Landscape	8
City of Upland / Sierra Vista Park	294 East 15th St.	Landscape	1
City of Upland / Sierra Vista Park	294 East 15th St.	Landscape	9
Foothill Knolls Elementary	1245 Veteran Ct. / In Mobile Hm Park	Landscape	5
Mountain View Estates	704 & 706 Sawtooth Dr.	Landscape	5
Sierra Vista Elementary	253 East 14th St.	Landscape	7
Upland Elementary	601 North 5th Av. / On Arrow Hwy	Landscape	1
Upland Elementary	601 North 5th Av. / On 5th Av.	Landscape	2
Upland Elementary	601 North 5th Av. / On ArrowHwy	Landscape	5
Upland Hills Country Club	1231 East 16th Street	Landscape	153
Upland JR H.S.	444 East 11th St. / On 5th Av.	Landscape	6
Western Inn	1209 East Foothill Blvd.	Landscape	1
Upland Landscape Usage (AF):			264
Upland Total Usage (AF):			264

**APPENDIX C**  
Recycled Water Users and Demands

Cucamonga Valley Water District (CVWD)			
Customer	Site Address	Type	Total AF
Shawnee Const	Ontario mills pkwy w/o Etiwanda	Construction	8
<b>CVWD Construction Usage(AF):</b>			<b>8</b>
9373 - 9405 Haven Av Landscape (median)	11359 6th st	Landscape	6
Aloft Hotel	10480 4th Street	Landscape	5
Alta Loma High School	8880 Baseline Rd	Landscape	25
Andy's Palms	12079 Foothill	Landscape	0
ASAP power sports	9029 Rochester Ave	Landscape	2
Bass Pro Shop	7777 Victoria Park	Landscape	26
Bradshaw International, Inc	9409 Buffalo Ave	Landscape	13
Bradshaw International, Inc	9471 Buffalo Ave	Landscape	13
Cabot Industrial Trust	9357 Richmond Pl	Landscape	3
Cabot Industrial Trust	11653 6th St	Landscape	9
Cabot Industrial Trust	9370 Buffalo Ave	Landscape	3
Cal Development LLC	11530 4th St	Landscape	5
Cal Development LLC	11570 4th St	Landscape	5
Cal Development LLC	11540 4th St	Landscape	6
Cal National Bank	8047 Day Creek	Landscape	0
CIP Real Estate	9469-9485 Haven	Landscape	8
City of Fontana	7406 East Ave	Landscape	5
City of Fontana	13470 Baseline	Landscape	10
City of Fontana	13525 Baseline Rd	Landscape	11
City of Rancho Cucamonga	8404 Rochester	Landscape	5
City of Rancho Cucamonga	12500 Church Street	Landscape	2
City of Rancho Cucamonga	12510 Church	Landscape	3
City of Rancho Cucamonga	12690 Church	Landscape	5
City of Rancho Cucamonga	8408 Rochester	Landscape	3
City of Rancho Cucamonga	8408 Rochester	Landscape	5
City of Rancho Cucamonga	11768 Arrow	Landscape	1
City of Rancho Cucamonga	8408 Rochester	Landscape	13
City of Rancho Cucamonga	12910 Candlewood	Landscape	0
City of Rancho Cucamonga	8057 Day Creek	Landscape	1
City of Rancho Cucamonga	7915 Day Creek	Landscape	1
City of Rancho Cucamonga	7481 Arbor	Landscape	11
City of Rancho Cucamonga	12989 Base linee rd	Landscape	2
City of Rancho Cucamonga	7491 Arbor	Landscape	14
City of Rancho Cucamonga	7491 Arbor	Landscape	1
City of Rancho Cucamonga	8408 Rochester	Landscape	27
City of Rancho Cucamonga	8408 Rochester	Landscape	28
City of Rancho Cucamonga	10601 6th st	Landscape	1
City of Rancho Cucamonga	10801 6th Street Medians	Landscape	1
City of Rancho Cucamonga	9702 4th st pkwy	Landscape	1
City of Rancho Cucamonga	11310 Milliken & 4th st	Landscape	4
City of Rancho Cucamonga	11359 6th Street Median	Landscape	2
City of Rancho Cucamonga	11907 6th st	Landscape	1
City of Rancho Cucamonga	11067 6th st	Landscape	1
City of Rancho Cucamonga	11469 6th Street	Landscape	0
City of Rancho Cucamonga	13096 Baseline Rd	Landscape	0
City of Rancho Cucamonga	11549 6th Street	Landscape	0
City of Rancho Cucamonga	13200 Brookfield Dr	Landscape	0
City of Rancho Cucamonga	7140 East Ave	Landscape	1
City of Rancho Cucamonga	7091 East Ave	Landscape	1
City of Rancho Cucamonga	8686 Base Line	Landscape	0
City of Rancho Cucamonga	12781 Base line rd	Landscape	1
Cucamonga Valley Water District (CVWD) (Continued)			
Customer	Site Address	Type	Total AF
City of Rancho Cucamonga	8349 Baseline Rd	Landscape	0
City of Rancho Cucamonga	8355 Baseline Rd	Landscape	0
City of Rancho Cucamonga	7265 Forester	Landscape	2
City of Rancho Cucamonga	9479 Haven Ave	Landscape	3

**APPENDIX C**  
Recycled Water Users and Demands

City of Rancho Cucamonga	8686 Base Line	Landscape	1
Comfort - Pedic Mattress USA	9080 Charles Smith Ave	Landscape	2
CPT 6th & Cleveland LLC	9199 Cleveland Building #101	Landscape	3
CPT 6th & Cleveland LLC	9199 Cleveland Building #102	Landscape	11
CVWD Recycled Water Useage (AF)	9111 Cleveland	Landscape	2
Day creek aps	7828 Day Creek	Landscape	19
Day creek aps	7828 Day Creek	Landscape	17
Earth Basics	Ontario mills pkwy west of Etiwanda	Landscape	15
Empire Lakes Golf Course	11015 6th St	Landscape	502
Etiwanda School District	13500 Victoria	Landscape	89
Facility Builders & Erectors	11846 6th Street	Landscape	2
Frito Lay Inc.	9535 Archibald	Landscape	17
Harrys Pacific Grill	8009 Day Creek	Landscape	1
Hilemen Development Co.	9670 Haven Ave	Landscape	15
Market Place Properties	9659 Milliken Ave	Landscape	12
Mission Business Center LLC	9450 Buffalo Ave	Landscape	7
Murfco INC.	11854 6th Street	Landscape	1
O & S Holdings	8252 Daycreek Blvd	Landscape	10
O & S Holdings	8051 Day Creek	Landscape	12
O & S Holdings	8251 Day Creek	Landscape	11
O&S(Foothill Crossings)	8340 Day Creek	Landscape	8
Prologis	951 Etiwanda AVE	Landscape	30
Prologis	5655 Ontario mills pkwy	Landscape	25
Prologis	5655 Ontario mills pkwy Lndsc	Landscape	4
Prologis	5655 Ontario mills pkwy Lndsc	Landscape	10
Rackafeller group	9461 - 9591 Pittsburgh ave	Landscape	3
Richard Dick & Associates	9302 Pittsburg Ave	Landscape	5
Southern California Edison	12484 6th st	Landscape	11
Stadium Plaza North	11996 Jack Benny	Landscape	4
Stadium Plaza North	8351 Rochester	Landscape	5
Stadium Plaza South	12005 Jack Benny	Landscape	4
Stadium Plaza South	8351 Rochester	Landscape	5
Stanley Steamers	9051 Rochester Ave	Landscape	2
Starbuck's Coffee	8025 Day Creek	Landscape	0
Toyota Motor Sales	9040 Charles Smith Ave	Landscape	1
Vega Industries	11933 6th st	Landscape	3
Victoria Gardens(Shea Homes)	7695 Day Creek	Landscape	11
Victoria Gardens(Shea Homes)	7695 Day Creek	Landscape	9
Victoria Gardens(Shea Homes)	12867 Church	Landscape	5
Wells Fargo Bank	8071 Day Creek	Landscape	1
City of Rancho Cucamonga	7484 Vineyard	Landscape	3
City of Rancho Cucamonga	7491 Arbor	Landscape	9
City of Rancho Cucamonga	7491 Arbor	Landscape	1
City of Rancho Cucamonga	7484 Vineyard	Landscape	13
Clark and Sons	Ontario mills pkwy w/o Etiwanda	Landscape	6
<b>CVWD Landscape Usage (AF):</b>			<b>1,223</b>
<b>CVWD Total Usage (AF):</b>			<b>1,231</b>

**APPENDIX C**  
Recycled Water Users and Demands

Inland Empire Utilities Agency (IEUA)			
Customer	Site Address	Type	Total AF
Declez Channel Drainage System		Agricultural	0
IEUA Agricultural Usage (AF):			<b>0</b>
Construction Sites		Construction	0
IEUA Construction Uage (AF):			<b>0</b>
ESCI	RP5-SHF	Industrial	0
Genon Energy Plant	8800 Etiwanda Ave	Industrial	677
IERCF	12645 6th Street	Industrial	8
IEUA Industrial Usage (AF):			<b>685</b>
Chino Creek Park Evaporation		Landscape	166
Chino Creek Wetlands and Educational Park	6075 Kimball Avenue	Landscape	18
Greenlee Nursery	15993 El Prado Rd	Landscape	0
IEUA Headquarters	6075 Kimball Ave.	Landscape	1
IEUA Landscape Usage (AF):			<b>186</b>
7th & 8th Street	E 8th Street	Recharge	2,261
Banana Basin		Recharge	670
Brooks Basin		Recharge	1,505
Ely Basin	East Philadelphia Ave	Recharge	1,378
Hickory Basin	Arrow Hwy	Recharge	874
RP-3	RP-3 carbon Canyon	Recharge	2,198
San Sevaine No. 5		Recharge	575
Turner Basin		Recharge	176
Victoria Basin		Recharge	842
IEUA Recharge Usage (AF):			<b>10,479</b>
IEUA Total Usage (AF):			<b>11,350</b>

**APPENDIX C**  
Recycled Water Users and Demands

Monte Vista Water District (MVWD)			
Customer	Site Address	Type	Total AF
5100 Benito	5100 Benito	Landscape	11
Alma Hoffman Park	5201 Benito Street	Landscape	12
Buena Vista Elem School	5675 San Bernardino Street	Landscape	37
City Hall	5111 Benito Street	Landscape	3
Demonstration Garden	4594 San Bernardino St.	Landscape	1
Golden Girls Park	9762 Benson Ave	Landscape	8
Golden Girls Park	9762 Benson Ave	Landscape	-8
Kingsley Elem School	5625 Kingsley Street	Landscape	22
Kingsley Park	5575 Kingsley Street	Landscape	13
Lehigh Elementary School	10200 Lehigh Avenue	Landscape	11
Library/City Hall	9955 Fremont Avenue	Landscape	6
Montclair Hi School	4700 Orchard Street	Landscape	61
Montclair Medical Center	5000 San Bernardino Street	Landscape	15
Montclair Towncenter HOA	9950 Fremont Avenue	Landscape	0
Montclair Towncenter HOA	9700 Fremont Avenue	Landscape	17
Montclair Towncenter HOA	9800 Fremont Avenue	Landscape	15
Monte Vista Elementary School	4900 Orchard Street	Landscape	17
Our Lady of Lourdes Church	5300 Orchard Street	Landscape	4
Saratoga Park	5397 Kingsley St	Landscape	44
Sunrise Park	5616 Princeton Street	Landscape	9
Sunset Park	4351 Orchard Street	Landscape	7
Sunset Park	4351 Orchard Street	Landscape	13
Wilderness Basin Park	4594 San Bernardino St.	Landscape	9
<b>MVWD Landscape Usage (AF):</b>			<b>327</b>
<b>MVWD Total Usaga (AF):</b>			<b>327</b>

**APPENDIX C**  
Recycled Water Users and Demands

San Bernardino County			
Customer	Site Address	Type	Total AF
El Prado Golf Course	6555 Pine Ave	Landscape	314
El Prado Park	16700 S. Euclid Avenue	Landscape	1,093
		SB County Landscape Usage (AF):	1,407
		SB County Total Usage (AF):	1,407