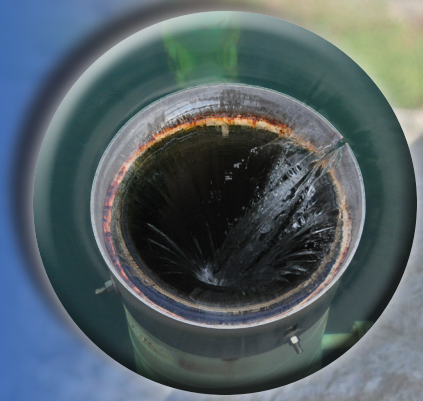
Urban Water Management Plan 2010

Addendum



THREE VALLEYS MUNICIPAL WATER DISTRICT
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Claremont, California 91711

www.threevalleys.com

2010 Urban Water Management Plan - Addendum

This addendum to the Three Valleys Municipal Water District's (TVMWD) 2010 Urban Water Management Plan (UWMP or Plan) is developed to address comments received from the California Department of Water Resources (DWR) during its initial review of the Plan in March 2013.

The various comments from DWR will be addressed in the order established in its on-line technical review system. Each comment will be listed for reference purposes along with the corresponding changes and/or additions to the Plan.

WATER SOURCES

TVMWD does not clearly state the current or planned water supply quantities within their plan. Also TVMWD pumps groundwater from the Upper Claremont Heights Basin but does not provide current or future groundwater quantities as required by Law.

Chapter 4 (Sources of Supply) of the Plan describes the various sources within TVWMD's service area, including local supplies drawn by its member agencies. The values provided in the graphs of Figures 4-B through 4-F show current groundwater use for each of the five groundwater basins that underlie the TVMWD service area, Figure 4-G shows current surface water use, and Figure 4-H depicts current recycled water utilization.

Groundwater

Groundwater production, in general, has seen a decline from 2007 to 2009, in part due to reduced demand resulting from conservation and the loss of the ability to extract resulting from water quality concerns. Future groundwater supplies are conservatively projected to stay level. This maintains the assumptions that as some wells are lost due to age and/or water quality concerns, other groundwater production will be developed through new wells and the use of wellhead treatment to help offset that loss. Table ADD-1 and Figure ADD-A combine the values for the five groundwater basins that underlie the District's service area. The current and projected values for total groundwater production are shown in each.

Surface Water

Surface water use within the District's service area is highly dependent on local hydrology and the ability of TVMWD's member agencies to capture and treat that flow. As previously mentioned, current values of the use of this local resource is shown in Figure 4-G of the UWMP. Future projections of surface water supplies for the planning horizon are also conservative. There are no major additions/increases to this resource in the foreseeable future and because it is so highly variable, a value of about 6500 AFY is used through 2035. This is slightly higher than the last year of record (2009), which was a below-average rainfall year, but still offers a conservative estimate for the future. Table ADD-2 and Figure ADD-B summarize the current and projected supplies for surface water within the TVMWD service area.

Recycled Water

Of the three local supplies listed within the TVMWD service area, recycled water poses the greatest promise for increased utilization over the planning horizon. In fact, most of the member agencies that currently use this supply expect to build infrastructure to expand its delivery and use. Figures 4-H and 4-J in the District's Plan summarize the current and projected use of recycled water.

The District's service area draws its recycled water supplies from the Pomona WRP and the San Jose Creek WRP, both of which are owned and operated by the Los Angeles County Sanitation Districts (LACSD).

The Pomona Plant has a capacity of 13 million gallons per day (MGD) or 14,500 acre-feet per year (AFY). Current production is about 62% of this capacity or approximately 9,000 AFY. Because of the excess capacity still available at this plant, there are currently no plans for expansion, and while demand for recycled water within the TVMWD service area is expected to double from 2010 to 2035, the existing capacity at this plant alone can still satisfy that need if it were to materialize. For the planning horizon, recycled water supply from the Pomona WRP is conservatively estimated to increase at about 1% per year. These projected quantities are shown in Table ADD-3.

The San Jose Creek WRP is a much larger treatment facility with a total capacity of 112,000 AFY (100 MGD). Currently, SJCWRP produces about 67% of its total capacity or approximately 75,000 AFY. It, too, has excess capacity yet to be tapped and there are no current plans for expansion. The SJCWRP not only delivers recycled water into the TVMWD service area but also to users in the Main San Gabriel Basin and the Central Basin. Of the total production at the plant, approximately 9% is made available to the TVMWD service area or

Table ADD-1: Actual & Projected Groundwater Supplies (in AF)

		2005	2006	2007	2008	2009
Actual		48,596.6	51,862.8	52,921.0	49536.8	45,483.5
	2010	2015	2020	2025	2030	2035
Projected	46,056	46,137	46,141	46,146	46,151	46,155

Figure ADD-A:

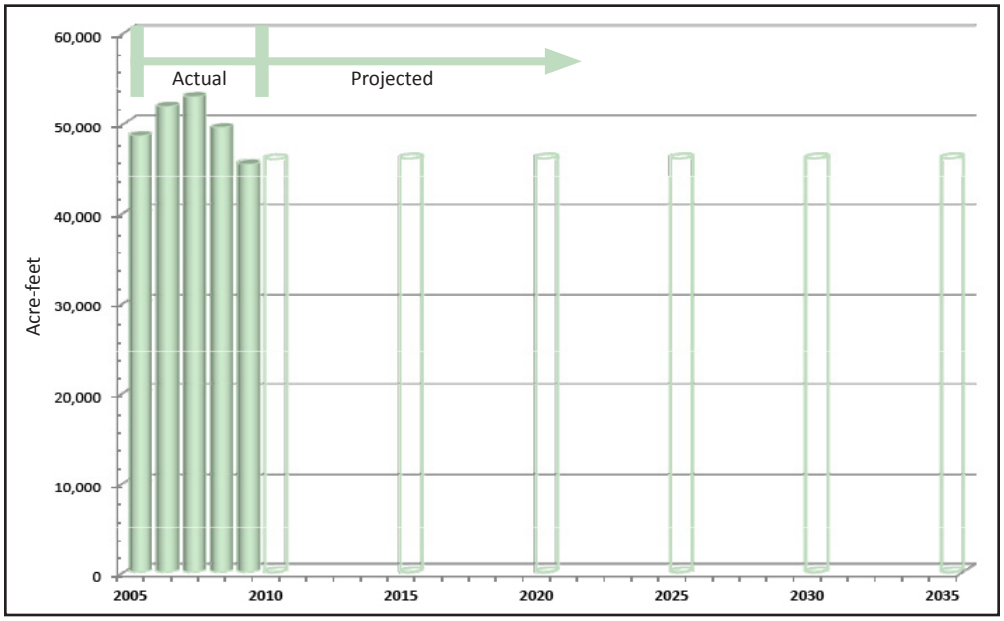


Table ADD-2: Actual & Projected Surface Water Supplies (in AF)

		2005	2006	2007	2008	2009
Actual		10,538.8	11,126.8	8952.7	11,304.2	6020.5
	2010	2015	2020	2025	2030	2035
Projected	6500	6500	6500	6500	6500	6500

Figure ADD-B:

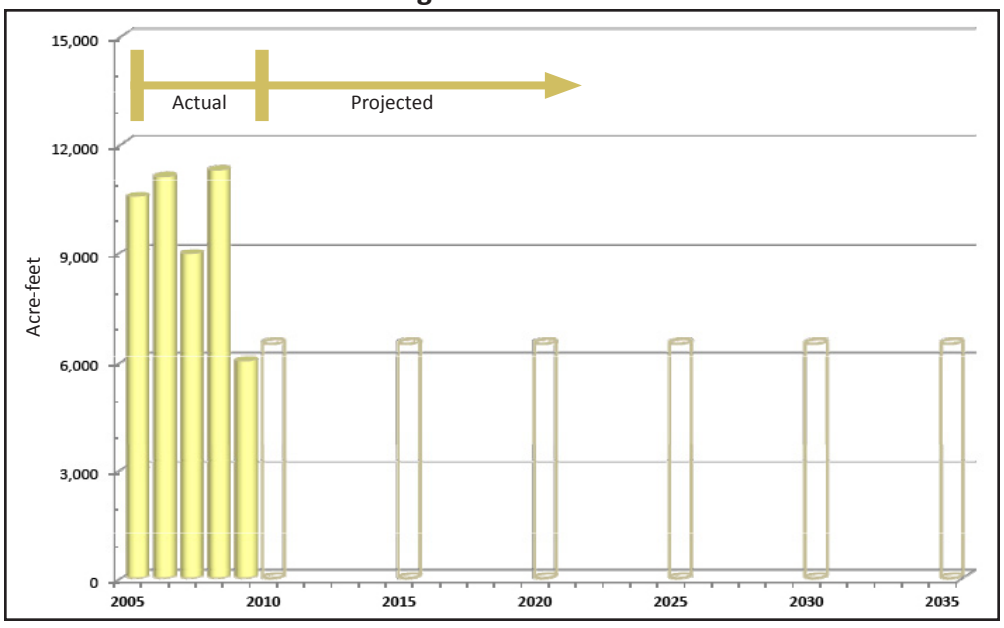


Table ADD-3: Actual & Projected Recycled Water Supplies (in AF)

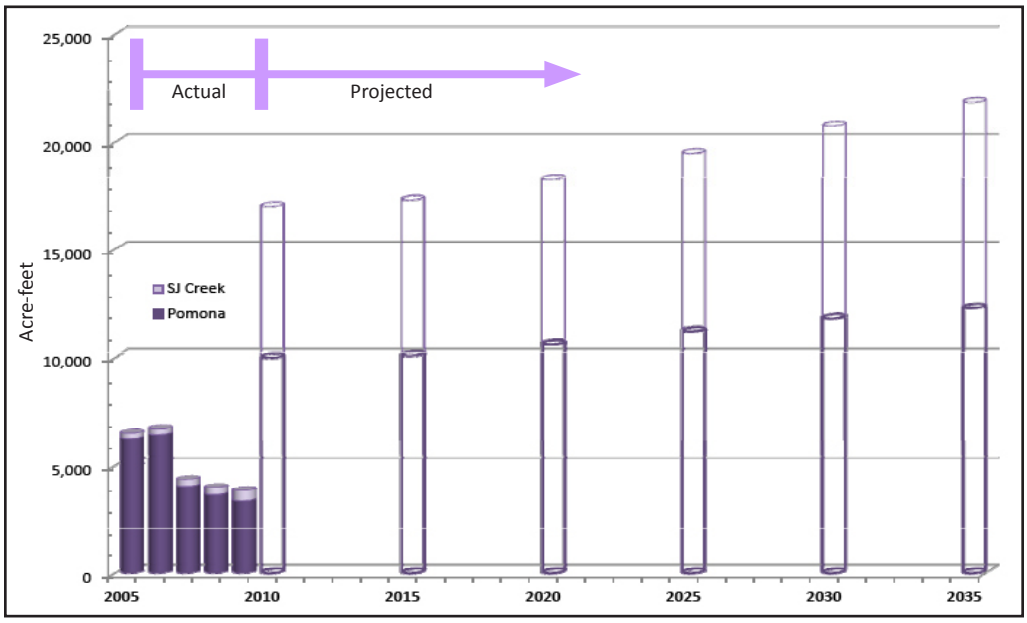
		2005	2006	2007	2008	2009
Pomona WRP		6229.6	6407.8	4001.8	3595.6	3315.4
San Jose Creek WRP		249.0	283.0	318.7	362.3	482.4
TOTAL		6478.6	6690.8	4320.5	3957.9	3797.8
	2010	2015	2020	2020	2030	2035
Pomona WRP	10,000	10,100	10,600	11,200	11,800	12,300
San Jose Creek WRP	7000	7200	7700	8300	9000	9600
TOTAL	17,000	17,300	18,300	19,500	20,800	21,900

about 10,000 AFY. Plant production is anticipated to increase 1.5% per year and tabulated in Table ADD-3.

TVMWD has always supported its member agencies as they expand their recycled water usage. This is accomplished by providing studies and funding when asked or when appropriate. As the area's wholesale water provider, the District cannot require its member agencies to take advantage of the recycled water available to the area.

The combination of available recycled water supplies from the Pomona and San Jose Creek WRPs is totaled and shown in Figure ADD-C. Actual (current) recycled water use shows the supplies that were actually put to use for years 2005-2009 while the projected supplies provide a quantity that is *available* to TVMWD's local agencies in the future. Hence, the drastic difference between actual and projected values in the table/graph. This shows that the overall use expected from the plants through the planning horizon does not exceed the current capacities of the plants, and the supplies available are sufficient for the expected recycled water demand for the TVMWD service area.

Figure ADD-C: Actual & Projected Recycled Water Supplies



TVMWD needs to provide groundwater volumes pumped from Upper Claremont Heights Basin for 2006 through 2010 and projected volumes for 2015 through 2030 at five-year increments as required by Law.

In July 2009, TVMWD began groundwater pumping from the Upper Claremont Heights Basin, which is a sub-basin of the Six Basins Groundwater area. The new well that was constructed produces about 750 AFY. The District also plans to install additional wells within the Six Basins area over the planning horizon of the UWMP. It is anticipated that up to four additional wells will be constructed by 2035. These future wells are assumed to have similar production capacity as the first well. The current and future groundwater volumes for TVMWD pumping from the Six Basins are shown in Table ADD-4 and Figure ADD-D.

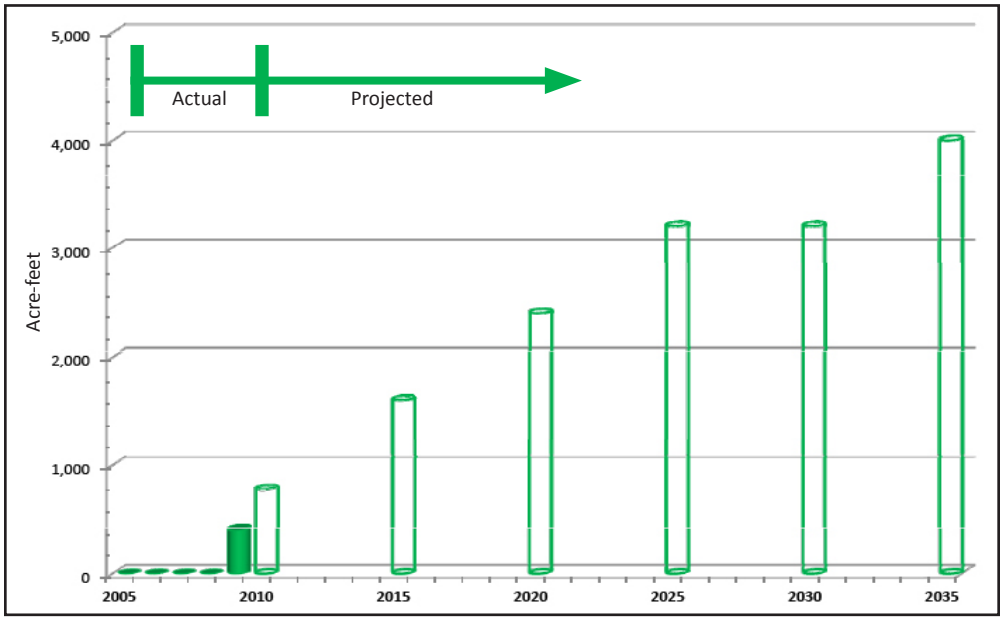
Could not find water supply volumes for TVMWD's multiple-dry-years as required by Law for Table 28 above.

Please see discussion and table under Supply Reliability section.

Table ADD-4: Actual & Projected TVMWD Production in Upper Claremont Heights Basin (in AF)

		2005	2006	2007	2008	2009
Actual		0	0	0	0	402.4
	2010	2015	2020	2025	2030	2035
Projected	770	1600	2400	3200	3200	4000

Figure ADD-D:



WATER USE

TVMWD is a wholesale agency thereby it should have listed its retail members showing the 2005 and current (2010) volumes delivered to each of its member agencies (Table 9). It should also include the projected volumes that each member agency might receive for 2015 through 2030 in five-year increments (Table 9). TVMWD should also include system water losses as additional uses for those years mentioned above (Table 10).

Along with groundwater, surface water, and recycled water, Table 3-2 of the UWMP shows the total imported water deliveries within the TVMWD service area. These deliveries were made to the member agencies listed in Table 2-1 in varying amounts on a year-to-year basis. Table ADD-5 shows an annual breakdown of imported water delivery volumes by member agency from 2005 through 2010. Table ADD-6 provides the projected amounts through 2035 in five-year increments.

TVMWD tracks its unaccounted water on a monthly basis using inflows and deliveries at its metered connections. The Miramar system has only 13 metered connections. Accordingly, the monthly checks on water loss figures are accurate. TVMWD's system water losses average less than 1% and are therefore negligible for the purpose of this summary.

Table ADD-5: Current Imported Water Demand by Member Agency (in AF)

Member Agency	2005	2006	2007	2008	2009
Boy Scouts of America	20.5	39.1	25.4	60.2	25.1
Cal Poly Pomona	238.5	199.2	166.4	154.1	150.2
Covina, City of	85.3	496.0	89.7	52.4	22.5
Glendora, City of	1,163.5	1,235.8	4,817.8	2,226.1	1,880.5
Golden State Water Co - Claremont	4,679.5	3,268.2	4,578.3	5,546.3	4,341.3
Golden State Water Co - San Dimas	11,343.5	8,434.4	8,395.8	8,710.7	9,296.5
La Verne, City of	6,877.6	7,057.9	7,137.0	6,684.6	5,540.8
Mt San Antonio College	469.3	439.6	537.0	636.3	473.3
Pomona, City of	5242.4	5983.5	7363.7	7158.4	4239.5
Rowland Water District	12,256.3	13,816.4	13,699.9	13,282.3	11,592.5
Suburban Water Systems	0.0	222.1	1,182.7	1,078.6	321.2
Valencia Heights Water Co	0.0	0.0	0.0	0.0	0.0
Walnut Valley Water District	22,147.6	21,986.7	24,325.0	23,653.0	21,251.7
TOTAL	**64,523.9**	**63,178.9**	**72,318.7**	**69,242.9**	**59,135.3**

Table ADD-6: Projected Imported Water Demand by Member Agency (in AF)

Member Agency	2010	2015	2020	2025	2030	2035
Boy Scouts of America	30	30	30	30	30	30
Cal Poly Pomona	270	300	320	330	340	350
Covina, City of	680	750	820	840	870	890
Glendora, City of	2,250	2,500	2,710	2,800	2,890	2,950
Golden State Water Co - Claremont	4,540	5,030	5,450	5,630	5,820	5,930
Golden State Water Co - San Dimas	8,510	9,440	10,230	10,550	10,920	11,130
La Verne, City of	6,960	7,720	8,370	8,640	8,940	9,110
Mt San Antonio College	690	770	830	860	890	910
Pomona, City of	6,740	7,470	8,100	8,350	8,640	8,810
Rowland Water District	13,860	15,370	16,670	17,190	17,790	18,120
Suburban Water Systems	1,120	1,240	1,350	1,390	1,440	1,470
Valencia Heights Water Co	40	40	40	50	50	50
Walnut Valley Water District	24,060	26,690	28,940	29,840	30,880	31,470
TOTAL	**69,747**	**77,343**	**83,864**	**86,498**	**89,498**	**91,197**

DMM AND SUPPLY PROJECTIONS

Could not find the 2009-2010 biennial updates meeting the coverage requirements of the CUWCC MOU.

At the initial submission of the District's 2010 UWMP, CUWCC had not yet updated its database so TVMWD was unable to draw the necessary information. Appendix L (attached) is the 2009-2010 BMP Coverage Report from CUWCC. The report indicates that TVMWD is on track for all applicable BMPs.

Cannot find where in the plan TVMWD's water supply demand projections were provided to Metropolitan Water District and could not find where MWD's provided written availability projections for the next 20 years to meet TVMWD's demands.

Water demand projections shown in Tables 3-3 through 3-6 were prepared through direct communication with MWD. MWD's Regional Urban Water Management Plan (November 2010) and specific model runs for TVMWD were the basis for all of TVMWD's demand projection values. MWD further coordinated with all its member agencies during the preparation of its plan to explain and provide individual agency data.

WATER SHORTAGE

Could not find minimum water supply available by source for the next three years as required by Law.

Table 5-2 of the District's UWMP provides a listing of the sources of water used within the TVMWD service area. Each of these sources is affected differently by adverse hydrologic conditions and the degree to which the sources are impacted also depends on whether dry conditions exist locally or statewide. For instance, a statewide drought may negatively impact imported supplies on the State Water Project but have little or no effect on local supplies if local hydrology is average. For a worst case scenario, the table included in Appendix M (Water Demand Projections - Multi-Dry Years) provides an estimate of minimum water supplies available for each source assuming a three-year period of dry conditions on the State Water Project watershed, the Colorado River watershed, and in the local area.

Groundwater supplies over the TVMWD service area should not be greatly affected over a three-year period because the basins will be managed to sustain pumping over short-term dry conditions. During drought or local reduced rainfall amounts, the operating safe yields are reduced to take into account the lesser amount of water available. This means of managing the local groundwater basins will continue as a way to address local supplies during a drought.

Drought conditions have less of a direct effect on recycled water, and demands for this resource should not be adversely impacted.

TVMWD needs to describe actions to be taken during power outages, earthquakes and during other catastrophic interruptions.

The District maintains a comprehensive Emergency Response Plan (ERP) that was recently updated in March 2012. The ERP details the recommended response to various emergency scenarios including natural disasters such as earthquakes, power outages, and other catastrophic events. The ERP is intended to return TVMWD's Miramar WTP to service as quickly and safely as possible. In the event wherein actual imported supplies from MWD are cut off for an extended period of time, the District will coordinate with its retail member agencies and MWD to provide public outreach to disseminate outage information and promote emergency conservation measures. TVMWD will draw from available storage both above ground and within the groundwater basins that underlie the District's service area. To that end, TVMWD is developing emergency interconnections with neighboring agencies that can tap local resources during times of emergencies.

TVMWD will ration its supplies to best meet the water demands of its retail member agencies. Priority will be given to those agencies with limited local resources. Additionally, the District will encourage its retail member agencies that have local supplies from which to draw to provide emergency interconnections with those that may not have access to sufficient supplies.

Relevant excerpts from TVMWD's ERP are included as Appendix N.

WATER RECYCLING

There is no description of wastewater collection and treatment systems within TVMWD service area. There is not quantification of wastewater collected and treated as well as no description of methods of wastewater disposal.

As stated in Chapter 4 of the District's UWMP, all wastewater in the TVMWD service area is treated by the Los Angeles County Sanitation Districts (LACSD). TVMWD has no plans to develop wastewater treatment plants.

A description of the two wastewater treatment facilities (Pomona WRP and San Jose Creek WRP) that serve the TVMWD service area is provided in the Recycled Water section (pages 28-30) in Chapter 4 of the UWMP. Further description and quantification are provided in this Addendum under the Recycled Water discussion of the earlier Water Sources section. Table ADD-7 below summarizes the operation of the two wastewater facilities on an annual average basis.

Table ADD-7: Pomona and San Jose Creek WRPs Annual Operations (in AF)

	Pomona WRP	San Jose Crk WRP
Capacity	16,800	112,000
Amount Treated	9,800	76,000
Amount Reused	8,900	47,000

While the LA County Sanitation Districts makes every effort to work with local water purveyors to maximize the use of recycled water, there remain certain volumes that are not utilized in any given year. Recycled water that cannot yet be used for beneficial purposes is sent to the ocean via discharge to the San Gabriel River.

SUPPLY RELIABILITY

TVMWD needs to break down their table 3-6 on Page 20 into three-year multiple-dry-years since the table that is now being presented is in 5-year increments and not in the manner as described by Law.

Table 3-6 (Page 20) of the District's Plan includes the water demand projections for the multi-dry years scenario. The values for that scenario are expanded to annual increments in the table included in Appendix M.

Could not find copy of TVMWD sending the Water Service Reliability section of the UWMP to the cities, their member agencies and/or counties which it provides water supplies within the 60-day submission period.

On June 28, 2011, TVMWD distributed its UWMP to each of its member agencies, all the cities within the District's service area, the County of Los Angeles, and other neighboring local water agencies. Appendix O includes the transmittal letter that was used in that mailing.

PLAN DOCUMENTATION

Could not find proof of public hearing.

Appendix B of TVMWD's Plan includes the official Notice of Public Hearing used by the District to notify interested parties of its intent to adopt the 2010 Urban Water Management Plan. The public hearing was conducted on May 18, 2011. Attached Appendix O includes the following:

- Proof of publication of the Public Hearing Notice – Inland Valley Daily Bulletin;
- Proof of publication of the Public Hearing Notice – San Gabriel Valley Tribune;
- Minutes of the meeting of the Board of Directors of TVMWD including the public hearing for the adoption of the UWMP (Items #8A and #8B).

Could not find a discussion regarding the implementation and schedule of the 2005 UWMP.

TVMWD completed its 2005 UWMP, which was initially adopted by its board of directors on December 21, 2005 and submitted to DWR on January 23, 2006. Its adoption and implementation process are presented in Chapter 8 of the 2005 Plan, an excerpt of which is included in Appendix P of this Addendum.

DWR's review of the District's 2005 Plan resulted in revisions and additions that were subsequently adopted by TVMWD's board of directors on October 17, 2007. The revised portions were submitted to DWR on October 24, 2007, and DWR formally deemed the Plan complete on February 5, 2008. A copy of the Department's acceptance letter is also included in Appendix P.

Could not determine if adopted plan was sent to cities and counties.

As previously mentioned and included in Appendix O, the District did distribute the Plan to each of its member agencies, all the cities within the District's service area, the County of Los Angeles, and other neighboring local water agencies.

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Appendix L

2009-2010 BMP Coverage Report

CUWCC BMP COVERAGE REPORT FOR WHOLESALE AGENCIES

Foundation Best Management Practices for Urban Water Efficiency

Agency: Three Valleys Municipal Water District **District Name:** Three Valleys Municipal Water District **CUWCC Unit #:** 233

Primary Contact Cindy DeChaine **Email:** cdechaine@tvmwd.com

Base Year: Calendar or FiscalYear Reporting Report Date: 27-May-11

Foundational BMPs

BMP 1.1.3 Wholesale Agency Assistance Programs

Date of 2009 Data Download May 26, 2011

Date of 2010 Data Download May 26, 2011

a) Financial investments and building partnerships Value of resources provided to retailers for: 2009	2009 Monetary Amount for Financial Incentives	2009 Monetary Amount for Equivalent Resources
BMP 1 Water Survey Programs	$ 5,000	no data
BMP 2 Residential Plumbing Retrofit	$ 15,000	no data
BMP 3 Audits Leak Detection	$ -	no data
BMP 5 Landscape Conservation Program	$ 25,000	no data
BMP 6 High Efficiency Clothes Washers	$ 1,000	no data
BMP 7 Public Information Programs	$ 50,000	no data
Total Value of Resources	$ 96,000	$ -
	On Track	

a) Financial investments and building partnerships Value of resources provided to retailers for: 2010	2010 Monetary Amount for Financial Incentives	2010 Monetary Amount for Equivalent Resources
BMP 1 Water Survey/Audits Programs	$ 3,000	no data
BMP 2 Residential Plumbing Retrofit	$ 25,000	no data
BMP 3 Audits Leak Detection	$ -	no data
BMP 5 Landscape Conservation Program	$ 20,000	no data
BMP 6 High Efficiency Clothes Washers	$ 1,000	no data
BMP 7 Public Information Programs	$ 50,000	no data
Total Value of Resources	$ 99,000	$ -
	On Track	

"On Track" if Retailer accepted offer and Wholesaler provided resources. "Not on Track" if Retailer accepted offer and Wholesaler did not provde resources.

Agency: Three Valleys Municipal Water District **District Name:** Three Valleys Municipal Water District **CUWCC Unit #:** 233

	2009 Technical Support Description	2010 Technical Support Description	
b) Technical Support	Reporting, managing programs, offering traiing workshops to member agencies for residential audits - indoor/outdoor, grant writiing and administration.	Reporting, nabnaging programs, training workshops to member agencies and residents (when approved by member agencies), grant writing and administration.	" On Track" if Retailer accepted and Wholesaler provided and described Technical Support
	On Track	On Track	

	2009		2010		
c) Retail Agency	Programs Managed for Retailers		c) Retail Agency	Programs Managed for Retailers	
Cal Poly Pomona	BMP 1 Water Survey/Audits Programs		City of Glendora	Rebates, Res. CII, Outreach, Education	
Mt.San Antonio	BMP 2 Residential Plumbing Retrofit		City of La Verne	Rebates, Res. CII, Outreach, Education	
The Boy Scouts of America	BMP 3 Audits Leak Detection		City of Pomona	Rebates, Res. CII, Outreach, Education	
	BMP 5 Landscape Conservation Program		Rowland Water District	Rebates, Res. CII, Outreach, Education	" On Track" if Retailer accepted and Wholesaler provided and lists programs managed for retailers
	BMP 6 High Efficiency Clothes Washers		Walnut Valley WD	Rebates, Res. CII, Outreach, Education	
	BMP 7 Public Information Programs		Golden State Water Co.	Rebates, Res. CII, Outreach, Education	
	On Track			On Track	

	2009		2010	
d) Water Shortage Allocation				
Has Water shortage plan or policy been adopted?	May 13, 2009	Adoption Date	May 13, 2009	"OnTrack" if plan /policy adopted and document provided. "Not on Track" if no water shortage plan or policy adopted or document not provided.
	TVMWD Draft Water Shortage Allocation Plan	File Name	TVMWD Draft Water Shortage Allocation Plan	
	On Track		On Track	
e) Non signatory Reporting of BMP implementation by non-signatory agencies	As a wholesale water provider, we can only enforce direct c		Discuss benefits of CUWCC membership at regular meetings.	Report if possible
	On Track		On Track	
f) Encourage CUWCC Membership		List Efforts to recruit retailers		
List Efforts to recruit retailers	As a wholesale water provider, we can only enforce direct connections		Discuss benefits of CUWCC membership at regular meetings.	"On Track" if efforts listed or dues paid.
	On Track		On Track	

Agency: Three Valleys Municipal Water District **District Name:** Three Valleys Municipal Water District **CUWCC Unit #:** 233

BMP 1.2 Water Loss Control

Date of 2009 Data Submittal:
Date of 2010 Data Submittal: May 26, 2011

	2009	
Complete a prescreening Audit	Yes	On Track if Yes
Metered Sales AF	60,293	Metered sales to retail agencies
Verifiable Other Uses AF	60,293	
Total Supply AF	60,293	Into wholesale system
(Metered Sales + System uses)/ Total Supply >0.89	2.00	On Track if =>.89, Not on Track if No
If ratio is less than 0.9, complete a full scale Audit in 2009?	Yes	On Track if Yes
Verify Data with Records on File?	Yes	On Track if Yes
Operate a system Leak Detection Program?	Yes	On Track if Yes
	On Track	

Comments Three Valleys' average unaccounted for water loss is less than 2%.
We have just 12 connections and ALL are metered both inflow and outflow
Amounts given here are the actual metered water sales and purchases.

For wholesalers AWWA methodology applies to supplies to wholesalers, sales to retail agencies or sub wholesalers, and pipelines operated by wholesalers. End use retail customers are not considered in this

	2010	
Compile Standard Water Audit using AWWA Software?	No	On Track if Yes, Not on Track if No
AWWA file provided to CUWCC? *NO NEED for AWWA software analysis -- leaks in our system account for less than 2% per month.*	Yes	On Track if Yes, Not on Track if No
AWWA Water Audit Validity Score?	no data	Info only until 2012
Completed Training in AWWA Audit Method?	No	Info only until 2012
Completed Training in Component Analysis Process?	No	Info only until 2012
Complete Component Analysis?	no	Info only until 2012
Repaired all leaks and breaks to the extent cost effective?	Yes	On Track if Yes, Not on Track if No
Locate and repair unreported leaks to the extent cost effective.	Yes	On Track if Yes, Not on Track if No
Maintain a record-keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair.		Info only until 2012
Provided 7 types of Water Loss Control Info		info only until 2012

Leaks Repaire	Value Real Losses	Value Apparent Losses	Miles Surveyed	Press Reduction	Cost Interventions	Water Lost from Leaks AF
no data	$ -	$ -	6	No	$ -	no data

Agency: Three Valleys Municipal Water District **District Name:** Three Valleys Municipal Water District **CUWCC Unit #:** 233

Comments Leaks are basically non-existent in our system. On average, our monthly unaccounted water loss is LESS THAN 1%.

On Track

1.3 METERING WITH COMMODITY RATES FOR ALL NEW CONNECTIONS AND RETROFIT OF EXISTING CONNECTIONS

Date of 2009 Data Submittal: May 26, 2011
Date of 2010 Data Submittal: May 26, 2011

	2009	2010	
Exemption requested?	No	No	
At least as Effective As Requested?	No	No	
Does Agency have Unmetered Deliveries to Retail Agencies or Other Wholesalers?	No	No	
Metered Accounts billed by volume of use	Yes	Yes	Volumetric billing required for all connections on same schedule as metering
Completed a written plan, policy or program to test, repair and replace meters	No	No	info only until 2012
	On Track	On Track	

BMP 2. EDUCATION PROGRAMS

date 2009 datafile downloaded:

date 2010 datafile downloaded:

BMP 2.1 Public Outreach Actions Implemented and Reported to CUWCC

	2009	2010
1) Contacts with the public (minimum = 4 times per year)	13	13
2) Water supplier contacts with media (minimum = 4 times per year, i.e., at least quarterly).	13	8
3) An actively maintained website that is updated regularly (minimum = 4 times per year, i.e., at least quarterly).	Yes	Yes
4) Description of materials used to meet minimum requirement.	Newsletter articles on conservation Flyers and/or brochures (total copies), bill stu Landscape water conservation media campai Articles or stories resulting from outreach News releases Newspaper contacts	Newsletter articles on conservation Flyers and/or brochures (total copies), bill stuf Landscape water conservation media campaig Articles or stories resulting from outreach News releases Newspaper contacts
5) Annual budget for public outreach program.	$ 45,200	$ 45,700
6) Description of all other outreach programs	Rebate information and directs to socalwatersmart.com and saveabuck.com Press releases posted to website Reports posted to website Class announcements -- California Friendly Landscape Training	Press releases Conservation rebate programs updates & news Class & workshop offerings Water Fair outreach
	On Track for 5 Actions	On Track for 5 Actions

All 6 action types implemented and reported to CUWCC to be 'On Track')

2.2 School Education Programs Implemented and Reported to CUWCC

date 2009 datafile downloaded: #REF!
date 2010 datafile downloaded: #REF!

	2009	2010	
Does this wholesale agency implement School Education Programs for Sub Wholesalers or Retail unility's benefit?	Yes	Yes	
Names of Sub Wholesale and Retail Agencies benefiting from Program?	Cities of Covina, Glendora, La Verne, Pomona. Covina Irrigating Co., Golden State Water Co. (Claremont and San Dimas), Rowland Water District, Suburban	Cities of Covina, Glendora, La Verne, Pomona. Covina Irrigating Co., Golden State Water Co. (Claremont & San Dimas), Rowland Water District, Suburban Water	
1) Curriculum materials developed and/or provided by wholesale agency	Water Education Foundation materials, AWWA materials, EEI materials, MWD materials	Water Education Foundation materials, AWWA materials, EEI materials, MWD materials	All 5 actions types implemented and reported to CUWCC to be 'On Track'
2) Materials meet state education framework requirements and are grade-level appropriate?	Yes	Yes	
3) Materials Distributed to K-6?	Yes	Yes	
Describe K-6 Materials	Maps, water conservation games/coloring books, water cycle projects	Maps, brochures, weblinks for research, water handbooks	Describe materials to meet minimum requirements
Materials distributed to 7-12 students?	Yes	Yes	Info Only
4) Annual budget for school education program.	$ 29,700	$ 33,000	
5) Description of all other water supplier education programs	Provide tours of Miramar Treatment Plant and overview of water conservation and water supply sources during tours.	Provide tours of the Miramar Treatment Plant, participate extensively in Solar Cup, and provide Project WET workshops for teachers.	
	On Track	**On Track**	

Appendix M

Water Demand Projections - Multi-Dry Years

Water Demand Projection - Multi-Dry Years
(in Acre-Feet)

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Conservation																					
Conservation[1]	20,381	21,591	21,406	20,684	20,794	20,908	22,328	22,244	22,222	22,686	23,165	24,780	24,691	24,416	24,855	25,306	27,204	27,204	26,499	26,910	27,326
Installed Active Device Through 2009	1,786	1,602	1,418	1,233	1,049	865	781	697	612	528	444	355	267	178	89	0	0	0	0	0	0
Code-Based and Price-Effect Savings	18,594	19,989	19,989	19,451	19,745	20,044	21,547	21,547	21,609	22,158	22,721	24,425	24,425	24,238	24,767	25,306	27,204	27,204	26,499	26,910	27,326
Total Demands After Conservation																					
Total Demand	137,362	137,821	139,692	142,119	143,731	145,358	145,224	146,604	147,931	148,782	149,630	149,165	150,412	151,852	152,587	153,317	152,349	153,284	154,929	155,464	155,997
Retail Municipal and Industrial[2]	132,098	132,357	134,028	136,255	137,668	139,294	139,161	140,440	141,768	142,519	143,366	142,901	144,148	145,589	146,323	147,053	146,086	147,021	148,665	149,200	149,733
Retail Agricultural	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264
Groundwater Replenishment	5,000	5,200	5,400	5,600	5,800	5,800	5,800	5,900	5,900	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
Local Supplies																					
Total Local Supplies	59,698	65,821	66,192	66,572	68,001	60,651	67,665	67,974	68,290	69,651	61,442	69,207	69,480	69,757	71,078	62,137	71,236	70,918	70,661	72,119	62,813
Groundwater Production	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000	45,000
Surface Production	6,500	5,200	5,200	5,200	6,240	6,500	5,200	5,200	5,200	6,240	6,500	5,200	5,200	5,200	6,240	6,500	5,850	5,265	4,739	5,923	6,500
Groundwater Recovery	1,136	1,137	1,138	1,139	1,140	1,141	1,142	1,143	1,144	1,145	1,145	1,146	1,147	1,148	1,149	1,150	1,151	1,152	1,153	1,154	1,154
Recycling	7,062	7,242	7,427	7,616	7,811	8,010	8,161	8,316	8,473	8,633	8,797	8,931	9,067	9,205	9,345	9,487	9,618	9,750	9,885	10,021	10,159
M&I and Agricultural	7,062	7,242	7,427	7,616	7,811	8,010	8,161	8,316	8,473	8,633	8,797	8,931	9,067	9,205	9,345	9,487	9,618	9,750	9,885	10,021	10,159
Groundwater Replenishment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Non-Metropolitan Imports	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imported Water Demands																					
Total Metropolitan Demands	77,664	72,000	73,500	75,547	75,730	84,707	77,560	78,630	79,641	79,131	88,187	79,958	80,932	82,095	81,508	91,179	81,113	82,367	84,268	83,345	93,184
Full Service (Tier I and Tier II)	72,664	66,800	68,100	69,947	69,930	78,907	71,760	72,730	73,741	73,131	82,187	73,958	74,932	76,095	75,508	85,179	75,113	76,367	78,268	77,345	87,184
Replenishment Water	5,000	5,200	5,400	5,600	5,800	5,800	5,800	5,900	5,900	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
Interim Agricultural Water Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

1. Includes code-based, price-effect and existing active savings through CY2009; does not include future active conservation savings. Conservation is 1990 base year.

2. Retail M&I projections include conservation.

Appendix N

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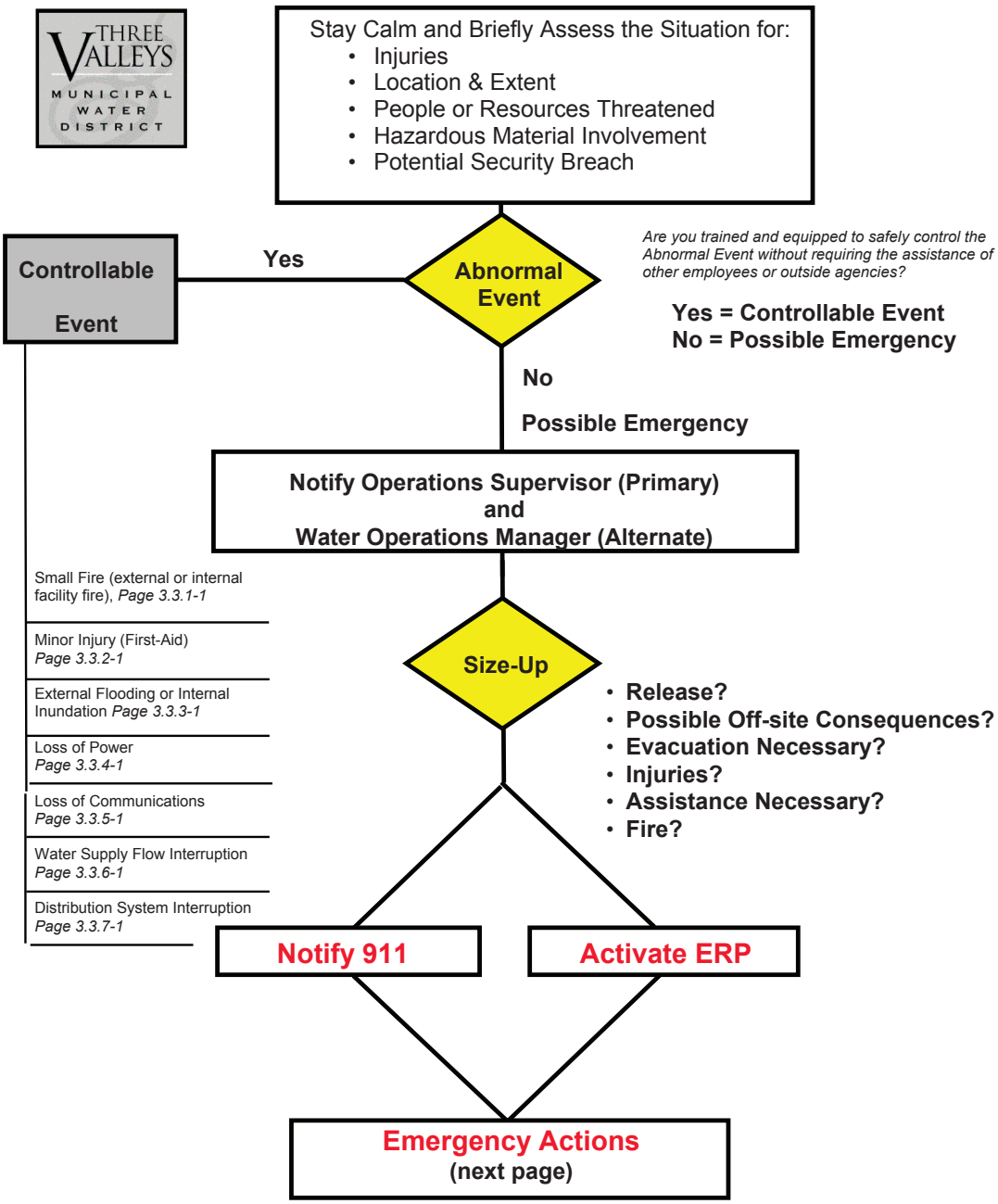
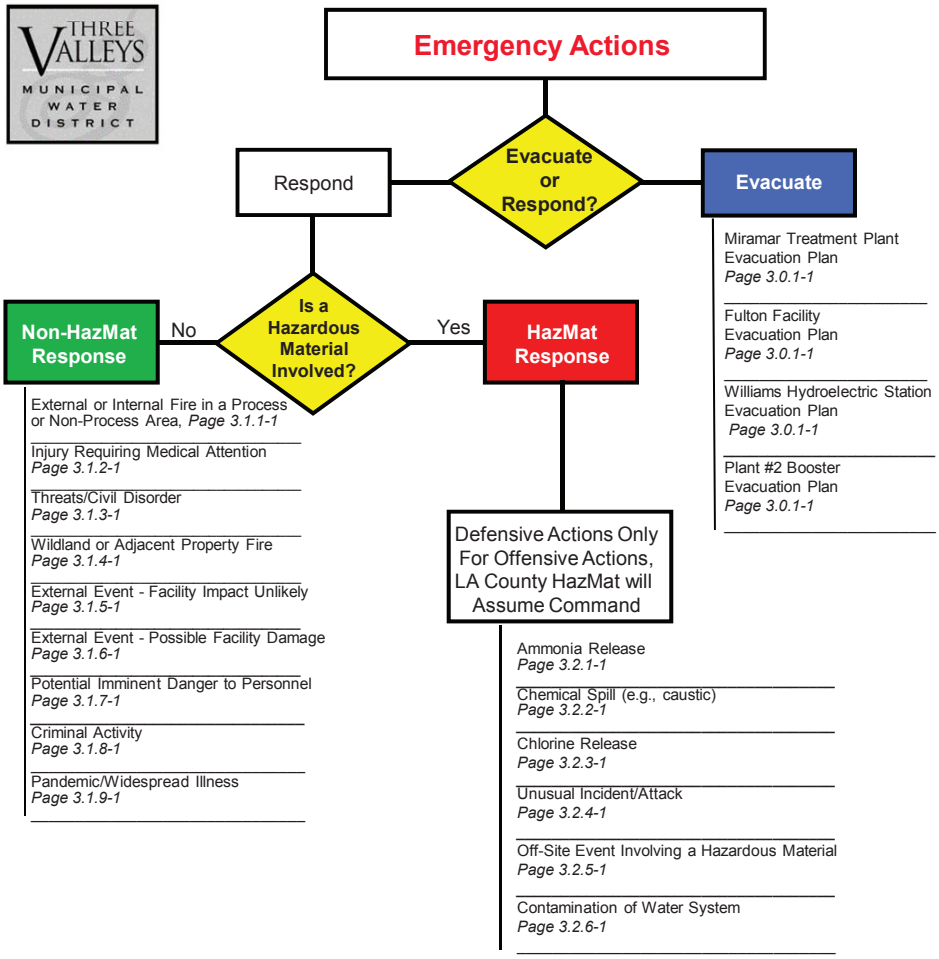
EMERGENCY OPERATIONS FLOW CHART



EMERGENCY OPERATIONS FLOW CHART
(continued)



WILDLAND OR ADJACENT PROPERTY FIRE		
Task	**Predetermined Assignments**	**Referrals**
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized. • Complete necessary agency notifications. • With the General Manager, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference
Assist Fire Department responders as may be requested	Trained Employee(s) Time Log: _____	
If the fire has been extinguished, notify the Fire Department on the non-emergency number, that you have a "fire-out report" to give. Non-emergency numbers: • **LACFD Station #62 - 909/626-5096** (24-hour)	IC Time Log: _____	Quick Reference

TRAINING SUPPLEMENT - Possible precursors to “Wildland or Adjacent Property Fire.”

- Disaster at Adjacent Facility
- Physical Attack

3.1.5 EXTERNAL EVENT - FACILITY IMPACT UNLIKELY

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

RESPONDERS MUST BE TRAINED AND USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

EXTERNAL EVENT - FACILITY IMPACT UNLIKELY		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC).	First Responder (IC) Time Log: _____	
Verify **911** Emergency Services have been notified. If not, call **911** immediately. Be prepared to report as much pertinent information as you have available, preferably, at minimum: • Time, nature of the event, and precise location • Any injuries known to have occurred • General circumstances	IC Time Log: _____	
Unless it compromises the "protection of lives", send an employee to the suggested entrance location to accompany Emergency Services to the appropriate location(s).	IC Time Log: _____	
Notify the General Manager.	IC Time Log: _____	Quick Reference
Assistance may be provided, but only to the extent that the employee is **TRAINED** and **CONFIDENT**, and that the assistance can be applied **SAFELY**. The following sections of this Emergency Operations Plan may be useful resources: • Section 3.1.1 - "External or Internal Fire in a Process or Non-Process Area" • Section 3.1.2 - "Injury Requiring Medical Attention" • Section 3.2.1 - "Ammonia Release" • Section 3.2.2 - "Chemical Spill (e.g., caustic)" • Section 3.2.3 - "Chlorine Release" • Section 3.3.2 - "Minor Injury (First-Aid)"	Trained Employee(s) Time Log: _____	Section 3.1.1 Section 3.2.2 Section 3.2.1 Section 3.2.2 Section 3.2.3 Section 3.2.3
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized. • Verify that the General Manager has been notified. • With the General Manager, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference

EXTERNAL EVENT - FACILITY IMPACT UNLIKELY		
Task	**Predetermined Assignments**	**Referrals**
If the external event had any potential for impacting the facility, provided they are not placed at risk, direct employees to put on appropriate Personal Protective Equipment (PPE), and conduct a general inspection of all facilities and equipment for damage.	Employee(s)/IC Time Log: _____	
Shut down potentially affected facility systems <u>immediately</u> if any damage is detected. • Damage may be assumed if any release or leak is seen, or if cracks are noted in any foundation, flange, pipework, etc. • Isolate and repair any damage detected and **<u>re-inspect the system</u>.** **Restart system <u>only</u> if no damage is detected or if all repairs have been made.**	Employee(s)/IC Time Log: _____	

<u>TRAINING SUPPLEMENT</u> - Possible precursors to “External Event - Facility Impact Unlikely”:

- Aircraft Crash
- Incident at Adjacent Facility
- Earthquake
- Physical Attack
- Weather (e.g., high winds, ice storms)

3.1.6 EXTERNAL EVENT - POSSIBLE FACILITY DAMAGE

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

RESPONDERS MUST BE TRAINED AND USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

EXTERNAL EVENT - POSSIBLE FACILITY DAMAGE		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If any of the facility systems shut down automatically, **DO NOT RESTART prior to conducting a thorough inspection.** • Do not shut down facility if it has not done so automatically. • Exhibit 3.1.6A contains supplemental earthquake evaluation information.	First Responder (IC) Time Log: _____	
Notify the General Manager.	IC Time Log: _____	Quick Reference
Account for the safety of all personnel. Make note of all "unaccounted-for persons."	IC Time Log: _____	
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized. • Verify that the General Manager has been notified. • With the General Manager, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference
SIZE-UP - Provided they are not placed at substantial, additional risk, direct employees to put on appropriate Personal Protective Equipment (PPE), and conduct a thorough inspection of all vessels, foundations, structural members, piping, flanges, etc., for damage. Consider, especially if there is a potential for a chemical spill or chlorine/ammonia release, utilizing the "Key Size-Up Precautions" identified in Section 3.2.1, Section 3.2.2, or Section 3.2.3 of this Emergency Operations Plan. Exhibit 3.1.6B contains supplemental inspection protocol.	Employee(s)/IC Time Log: _____	Section 3.2.1 Section 3.2.2 Section 3.2.3

EXTERNAL EVENT - POSSIBLE FACILITY DAMAGE		
Task	**Predetermined Assignments**	**Referrals**
Shut down potentially affected facility systems <u>immediately</u> if any damage is detected. • Damage may be assumed if any release or leak is seen, or if cracks are noted in any foundation, flange, pipework, etc., or if any cracks in the foundation have appeared or are enlarged. • Isolate and repair any damage detected and **<u>re-inspect the system</u>.** **Restart system <u>only</u> if no damage is detected or if all repairs have been made.**	Employee(s)/IC Time Log: _____	
Continuously assess the situation to determine if further action is necessary. If an incident or emergency occurs; **re-evaluate** the situation and initiate other portions of this Emergency Operations Plan, as necessary. • If **911** or the ERT are needed, and if radio and telephone are inoperative, and if response/follow-up efforts are not compromised with reduction in personnel, dispatch personnel to notify management and authorities.	IC	
Do not restart any equipment until clearance is obtained from the General Manager.	IC	
Provide an orderly method for employees to check on their families and return to work.	IC	

<u>TRAINING SUPPLEMENT</u> - Possible precursors to “External Event - Possible Facility Damage”:

- Disaster at Adjacent Company
- Earthquake
- Hurricane/Severe Weather
- Airplane Crash
- Structural Collapse
- Weather
- Tsunami

EXHIBIT 3.1.6A

SUPPLEMENTAL EARTHQUAKE EVALUATION AND RESPONSE INFORMATION

The following information provides supplementary evaluation criteria to facilitate the determination of Level I, II, and III seismic events.

Level I earthquakes (minor) are those that:

- are felt by sensitive people
- feel like the vibrations due to a passing truck
- are felt by people while walking
- wake light sleepers
- cause trees to sway and all suspended objects to swing

Level I earthquakes generally have Richter magnitudes less than 5.5 and Mercalli Intensities of I to VI. However, when evaluating the potential impact of an earthquake, an earthquake's epicenter location must also be considered.

Level II earthquakes (strong to very strong) are those that:

- are felt by moving people and drivers of motor cars
- wake most sleepers
- cause some power outages and communications system overload
- cause cracks in walls and destroy weak buildings
- sever pipelines, causing leaks
- cause some telephone outages
- sever gas lines, causing fires

Level II earthquakes generally have Richter magnitudes of 5.5 to 6.1 and Mercalli Intensity levels of VI to VII.

Level III earthquakes are those that:

- are felt by everyone within the earthquake's vicinity
- cause widespread power and/or telephone outages
- destroy and damage buildings
- sever pipelines
- create various fires and chemical explosions
- damage dams

A commonly used term for an earthquake in this category is “the Big One”. The Richter magni a Level III earthquake ranges from 6.1 to greater than 8.0 and on the Mercalli Intensity Scale f to XII. The infrequent occurrence of earthquakes of this magnitude makes it difficult to identify amount of damage which could be caused locally and regionally; however, a Level III earthqua expected to result in widespread and extensive damage to TVMWD facilities.

Modified Mercalli (MM) Scale of Earthquake Intensities with Corresponding Richter Scale Magnitudes

Modified Mercalli Scale		Richter Magnitude Scale
I	Detected only by sensitive instruments	1.5
II	Felt by few persons at rest, especially on upper floors; delicately suspended objects may swing	2
III	Felt noticeably indoors, but not always recognized as earthquake; standing autos rock slightly, vibration like passing truck	2.5
IV	Felt indoors by many, outdoors by few, at night some may awaken; dishes, windows, doors disturbed; autos rock noticeably	3
V	Felt by most people; some breakage of dishes, windows, and plaster; disturbance of tall objects	3.5
VI	Felt by all, many frightened and run outdoors; falling plaster and chimneys, damage small	4
VII	Everybody runs outdoors; damage to buildings varies depending on quality of construction; noticed by drivers of autos	4.5
VIII	Panel walls thrown out of frames; fall of walls, monuments, chimneys; sand and mud ejected; drivers of autos disturbed	5
IX	Buildings shifted off foundations, cracked, thrown out of plumb; ground cracked; underground pipes broken	5.5
X	Most masonry and frame structures destroyed; ground cracked, rails bent, landslides	6
XI	Few structures remain standing; bridges destroyed, fissures in ground, pipes broken, landslides, rails bent	6.5
XII	Damage total; waves seen on ground surface, lines of sight and level distorted, objects thrown up in air	7
		7.5
		8

EXHIBIT 3.1.6B

SUPPLEMENTAL INSPECTION PROTOCOL

(Within 18 hours for major facilities and 72 for all)

(Excerpted from the "Emergency Handbook for Water Supply Managers")

GENERAL

- ☐ Determine need to repair, replace, or abandon facility
- ☐ Include estimate of cost to restore facility
- ☐ Consider possible effects of aftershocks
- ☐ Evacuate buildings in danger of collapse
- ☐ Confirm that field crew does the following and closes and tags damaged facilities and equipment:

RESERVOIRS

- ☐ Check for seepage, leaks, cracks, landslides, embankment slump, broken inlet-outlet pipes, piezometers, underdrains
- ☐ Notify State Div. of Safety of Dams (through District Emergency Operations Center) if problems appear

TREATMENT PLANTS

- ☐ Check if power available, and condition of mechanical and electrical equipment
- ☐ Check quality of outflow
- ☐ Check for chemical spills or releases
- ☐ Check for need for emergency purification
- ☐ Check for structural damage

TANKS

- ☐ Check for evidence of failure of subbase
- ☐ Check for leaks, cracks, broken inlet-outlet pipes, underdrains
- ☐ Check for buckling

PUMPING AND GENERATING PLANTS

- ☐ Check transformers for damage and test capacity
- ☐ If generators are water-cooled, check for adequate water storage and provide make-up water

- ☐ Check suction and discharge lines for cracks and broken connections
- ☐ Check for power disconnect
- ☐ Check for structural damage

PIPES

- ☐ Check air and vacuum valves
- ☐ Check for leaks, breaks, pressure loss in lines, cross-connections between water and sewage, overflow into streets, watercourses
- ☐ Check mechanical couplings

3.2.4 UNUSUAL INCIDENT / ATTACK (e.g., BOMB, BIOLOGICAL, CHEMICAL, NUCLEAR, PHYSICAL, AND ELECTRONIC)

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

UNUSUAL INCIDENT/ATTACK (e.g., BOMB, BIOLOGICAL, CHEMICAL, NUCLEAR, PHYSICAL, ELECTRONIC)		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified person. You are the First Response Incident Commander (IC). The initial response is to **Assess Credibility**: **Specificity**: "I put something in your water system" **Criticality**: Aqueduct, treatment plant, reservoir **Tone**: Seriousness, accent, intellect **Capability**: Assess ability to develop or carry out the attack **Consequence**: Fear, illness, death, operational impact, financial **Supporting Evidence**: Witnesses, traces **Intrusion Alarm**: Visual verification of intrusion event Contact the General Manger. As appropriate, Incident Command may be transferred. In cases where the attack is not obvious, the General Manager working with Department Heads will assess credibility of the threat.	First Responder (IC) Time Log: _____	
Unless the threat can clearly be immediately characterized as **Improbable**, verify that **911** Emergency Services (e.g., Claremont Police Department) have been notified. If not, call **911** immediately to report the circumstances. Be prepared to report as much pertinent information as you have available, preferably, at minimum: • Type of threat: sabotage, hostage situation, etc. • Number of perpetrator(s) and hostage(s) involved • Weapons known to be in the possession of the perpetrator(s) • Any known injuries • Current location of the perpetrator(s) and hostage(s)	IC Time Log: _____	

UNUSUAL INCIDENT/ATTACK (e.g., BOMB, BIOLOGICAL, CHEMICAL, NUCLEAR, PHYSICAL, ELECTRONIC)		
Task	**Predetermined Assignments**	**Referrals**
Other notifications to be performed, without delay (See Front Cover): • General Manger • Water Operations Manager • Assistant General Manager • Manager of Engineering & Operations • Chief Finance Officer • Project Engineer • Engineer • Operations Supervisor • Operations Supervisor • Conservation & Resource Analyst • Senior Financial Analyst • Operations Water Quality Assistant • Executive Assistant • Accounting Technician • Administrative Assistant	IC Time Log: _____	Quick Reference Appendix A
Threat Categorization: **a) <u>Improbable</u>** This means that the threat is most likely a hoax, based on available information. Examples would include pranks (joking, or the voice of a juvenile) or ridiculous assertions (saying they blew up a facility that an employee verified was unharmed) **b) <u>Intrusion, Physical Attack or Possible Physical Attack</u>** Detected intrusion, damage of treatment and/or delivery facilities by physical means such as sabotage or destruction – This includes well damage. **c) <u>Electronic Attack</u>** Malicious electronic access and manipulation of a system or network to control, compromise, or defeat system control functions (SCADA) **d) <u>Contamination: Nuclear, Biological or Chemical</u>** This means that there is enough corroborating information to suggest that a facility has been attacked with a nuclear, biological or chemical agent – This includes well contamination.	Incident Command Time Log: _____	

UNUSUAL INCIDENT/ATTACK (e.g., BOMB, BIOLOGICAL, CHEMICAL, NUCLEAR, PHYSICAL, ELECTRONIC)		
Task	**Predetermined Assignments**	**Referrals**
Unless the threat can clearly be immediately characterized as **Improbable**, as can be done **safely**, consider evacuating personnel from areas that could be **potentially affected**. As necessary, seek protective cover and shelter-in-place. Account for the safety of all personnel. Make note of all "unaccounted-for persons." **For a situation involving an armed individual or hostage(s), consider evacuating all individuals not directly involved in the emergency from the entire site. If personnel are evacuated, and if it can be done safely, consider shutting down or placing all equipment into a safe and stable mode of operation.** Unless it compromises the "protection of lives" directive, ensure that Operators shut pumps down should they be damaged or altered.	Incident Command Time Log: _____ Time Log: _____	
Unless it compromises the "protection of lives" directive, send an employee to the suggested entrance location to accompany Municipal Emergency Services to the current location of the Incident Commander.	Incident Command Time Log: _____ Time Log: _____ Time Log: _____	
Prior to the arrival of Municipal Emergency Services: • **TAKE NO OFFENSIVE ACTION!** Take no action that would aggravate or de-stabilize the situation. Police Department personnel are much better trained for addressing a hostage situation. • Track the location of the perpetrator, if possible without triggering injury to personnel.	Employee(s)/IC Time Log: _____	
Immediate Actions: 1. Isolate affected parts of the system. 2. Attempt to avoid disruption to customers or spillage.	Incident Command Time Log: _____ Time Log: _____ Time Log: _____	

UNUSUAL INCIDENT/ATTACK (e.g., BOMB, BIOLOGICAL, CHEMICAL, NUCLEAR, PHYSICAL, ELECTRONIC)		
Task	**Predetermined Assignments**	**Referrals**
Precautionary Decisions - While notifications take place and the investigation begins, Incident Command may consider implementing precautionary mitigation measures such as: 1. Preserving evidence or crime scene 2. Determining a location for an ICS Unified Command Center, if conditions merit it. 3. Establishing a Public Information Officer, if the incident is likely to draw public notice 4. Increasing security measures to protect against copycat crimes or a planned "second hit"; also investigating incident as a possible diversionary, or masking attack 5. Staffing the Emergency Operations Center (EOC) 6. Issuing boil water / bottled water advisories <u>Possible Unified Command Participants</u> • TVMWD • Claremont Police Department • Los Angeles County Fire Department • FBI • City's Disaster Operations Division • Department of Health Services	Incident Command Time Log: _____	
Expanded Notifications - Based on information from the preliminary assessment, use the list below to expand notifications, **as appropriate**: a) Operations Manager notifies additional Management b) Public Information Coordinator c) Federal Bureau of Investigation (FBI) 24 hour desk: Los Angeles: 310/477-6565 Sacramento: 916/481-9110 San Diego: 858/565-1255 San Francisco: 415/553-7400 d) City's Disaster Management Division *and* Operational Area (County EOC) e) Office of Emergency Services (OES) Warning Center 323/890-4317 f) Los Angeles County Fire HazMat Coordinator (call **911** or known 7-digid number) g) Local Health Deptment h) Environmental HazMat Coordinator i) Environmental Protection Agency 800/424-8802 j) Testing laboratory (Contractors) k) Chlorine Response Contractor l) Water Quality notifies the California Department of Public health (CDPH) m) MWD and adjoining water agencies	Incident Command Time Log: _____	Appendix A

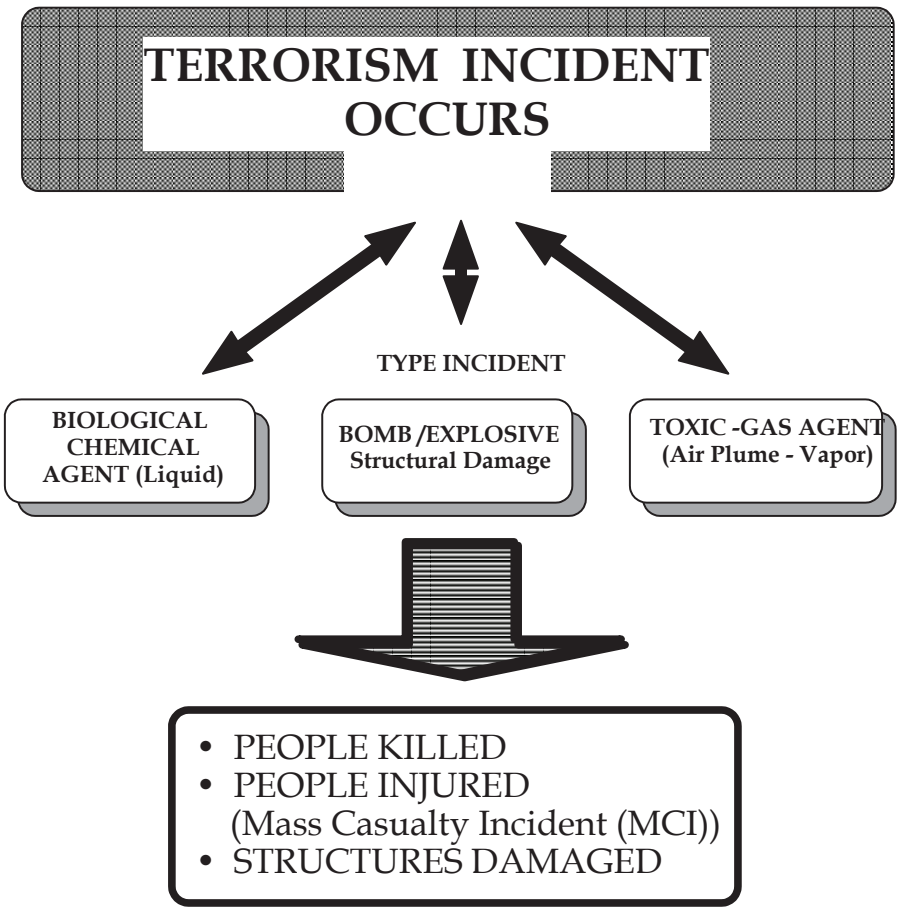
UNUSUAL INCIDENT/ATTACK (e.g., BOMB, BIOLOGICAL, CHEMICAL, NUCLEAR, PHYSICAL, ELECTRONIC)		
Task	**Predetermined Assignments**	**Referrals**
Investigation - Using the threat category from "Preliminary Assessment" above, investigate with the intent to fully assess the situation for subsequent critical decisions and actions. The table below shows likely participants: **Improbable** a) TVMWD Incident Commander = lead on water service to community b) Operations Manager or desinee = lead on security c) Water Quality personnel = lead on testing **Physical Attack or Electronic Attack** a) Claremont Police and FBI = lead on criminal investigation b) TVMWD = lead on water service to community d) Operations Manager or desinee = lead on security e) Water Quality personnel = lead on sampling and testing f) CDPH = lead on public health **Possible Nuclear, Biological, or Chemical** a) Claremont Police and FBI = lead on criminal investigation b) TVMWD = lead on water service to community c) Operations Manager desinee = lead on security d) Water Quality personnel = coordinate sampling and testing e) CDPH = lead on public health f) Local Government = lead for delivering bottled water, if needed	Incident Command Time Log: _____	
Determination Decisions - Answer critical questions and make strategic decisions: 1. Determine whether the attack was primarily on source, treatment or distribution facilities 2. Determine which agency will take lead and how to establish appropriate Unified Command 3. Determine system isolation parameters 4. Determine service area impact: size, location and duration 5. Determine general strategy: detoxification, dilution, or other solution 6. Determine the involvement of additional agencies	Incident Command Time Log: _____	

UNUSUAL INCIDENT/ATTACK (e.g., BOMB, BIOLOGICAL, CHEMICAL, NUCLEAR, PHYSICAL, ELECTRONIC)		
Task	**Predetermined Assignments**	**Referrals**
Action Plan - Establish a Planning and Intelligence function to detail a specific action plan to address incident requirements: a) System isolation, treatment, and recovery b) Duration and timelines for key components of activity c) Re-testing d) Staffing e) Security, at site and system-wide f) Continuing notifications and updates to players/agencies g) Organizational Continuity if lead agency changes h) Public health and environmental concerns i) Public perception and confidence j) Provisions for boil water notices or bottled water operations k) When the incident begins to wind down, Demobilization (next section) l) Notification to alerted agencies and individuals regarding changed direction and resolution	Incident Command Time Log: _____	
Restart / Demobilization Plan - Similar to the Action Plan, the Demobilization Plan should ensure a well-managed demobilization of resources, restart of the water system, and keep key agencies and individuals informed. Assign the Planning and Intelligence staff to prepare a Re-start and Demobilization Plan to address the following concerns. a) Decontamination and disinfection of affected facility b) Operational restart plan for affected water facility c) Decommissioning of response components d) Continued updates to participating players e) Continuity of organizational command and structure	Incident Command Time Log: _____	

TRAINING SUPPLEMENT - Possible precursors to "Potential Imminent Danger to Personnel":

- Electronic Attack
- Intrusion, Physical Attack or Possible Physical Attack – Including Well Damage
- Contamination: Nuclear, Biological, or Chemical – Including Well Contamination

EXHIBIT 3.2.4A – SUPPLEMENTAL TERRORISM RESPONSE ILLUSTRATIONS



INITIAL RESPONSE ACTIONS:

- **Identification of type agent or explosive**
- **Identify impact area (potential impact area)**
- **Evacuation**
- **Medical attention to victims**
- **Security of site**
- **Investigation - Apprehension of suspects**
- **Start Recovery Planning / Operations**

3.2.6 CONTAMINATION OF WATER SYSTEM

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***
4. ***Delivery of Safe Water to Customers***

RESPONDERS MUST BE TRAINED AND USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

CONTAMINATION OF WATER SYSTEM		
Task	**Predetermined Assignments**	**Referrals**
Detection: physical observation, phone call, changes in readings of instruments, notification from local hospitals, DHS, OES, or CDPH. **Take command** until relieved by a more qualified individual. You are the First Response Incident Commander (IC). If there is any indication that a malevolent action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site incident response or inspection. Consider the potential for this being a diversionary (or masking) attack.	First Responder (IC) Time Log: _____	
Verify that **911** Emergency Services has been notified. If not, call **911** immediately.	IC Time Log: _____	
Notify Office of Emergency Services (OES).	IC Time Log: _____	Appendix A
Identification of contaminant performed by OES or their designees. Normal testing will be the Full Title 22 list of contaminants, plus grease, and oil. If it is suspected that contamination might have resulted from a deliberate, malevolent act, samples should be taken with great care under direction of the lead anti-terrorism agency in charge of the incident. While samples are being taken and taken to labs for analysis, proceed with isolation and	IC Time Log: _____	
A. If contaminant is **in the distribution system** 1) Flush into storm drains, if safe to do so. Increase chlorine residual to disinfect if applicable.	IC Time Log: _____	
B. If contaminant is **in storage tanks** 1) Drain, clean and disinfect, if safe to do so.	IC Time Log: _____	

TRAINING SUPPLEMENT - Possible precursors to “Contamination of Water System”: None

3.3. INCIDENTS

3.3.1 SMALL FIRE (EXTERNAL OR INTERNAL FACILITY FIRE)

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

RESPONDERS MUST BE TRAINED AND USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

SMALL FIRE (EXTERNAL/INTERNAL FACILITY FIRE)		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If there is any indication that a malicious action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site incident response or inspection. Consider the potential for this being a diversionary (or masking) attack.	First Responder (IC) Time Log: _____	
Advise all potentially-affected persons in the area that a fire situation is in progress.	IC Time Log: _____	
Unless immediately extinguished, call **911** to advise a fire situation is in progress. **Note that a small fire can become a large fire very quickly!** Do not assume that a fire can be quickly controlled or extinguished based solely on initial observations. If fire cannot be quickly controlled, re-evaluate and notify **911** Emergency Services.	IC Time Log: _____	
IF <u>TRAINED</u> TO DO SO AND <u>CONFIDENT</u> THAT YOU ARE CAPABLE, AND THE FIRE CAN BE EXTINGUISHED SAFELY, attempt to extinguish fire, prior to the arrival of the Fire Department. • **Use appropriate Personal Protective Equipment (PPE).** • Use appropriate fire extinguishing equipment. • If electric, shut down power. • **Do not use water on electrically-energized equipment.**	Trained Employee(s) Time Log: _____	
Unless it compromises the "protection of lives", send an employee to the suggested entrance location to accompany the Fire Department to the appropriate location(s).	IC Time Log: _____	
Notify the following in order as they appear: Operations Supervisor, Water Operations Manager, and General Manager.	IC Time Log: _____	Quick Reference
If Fire Department is on scene using fire hydrants, open red handled gate valve located next to the surface wash pumps then turn one of the surface wash pumps on in "hand" position until fire hydrant usage has stopped.	IC Time Log: _____	

SMALL FIRE (EXTERNAL/INTERNAL FACILITY FIRE)		
Task	**Predetermined Assignments**	**Referrals**
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized. • Complete necessary agency notifications. • Verify that the Operations Supervisor, Water Operations Manager or General Manager has been notified. • With the Operations Supervisor, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference
Continuously assess the situation to determine if further action is necessary.	IC	
If the fire has been extinguished, notify the Fire Department on the non-emergency number that you have a "fire-out report" to give. Non-emergency numbers: • **LACFD Station #62 - 909/626-5096** (24-hour)	IC Time Log: _____	Quick Reference

TRAINING SUPPLEMENT - Possible precursors to “Small Fire (External or Internal Facility Fire)”:

- Human Error
- Physical Attack

3.3.3 EXTERNAL FLOODING OR INTERNAL INUNDATION

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

RESPONDERS MUST BE TRAINED AND USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

EXTERNAL FLOODING OR INTERNAL INUNDATION		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If any of the facility systems shut down automatically, **DO NOT RESTART prior to conducting a thorough inspection.** • Do not shut down facility if it has not done so automatically, unless there is a potential for equipment damage that could result in prolonged outage. • If flooding/inundation has any potential for affecting the above three priorities, immediately contact **911** for fire department response. • If there is any indication that a malicious action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site response or inspection. Consider the potential for this being a diversionary (or masking) attack. • If there is any potential for impacting the health or safety of personnel, evacuate the facility (See Section 2.1).	First Responder (IC) Time Log: _____	
Notify the following in the order as they appear: Operations Supervisor, Water Operations Manager, and General Manager.	IC Time Log: _____	Quick Reference
Account for the safety of all personnel. Make note of all "unaccounted-for persons."	IC Time Log: _____	
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized. • Verify that the Operations Supervisor has been notified. • With the Operations Supervisor, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference

EXTERNAL FLOODING OR INTERNAL INUNDATION		
Task	**Predetermined Assignments**	**Referrals**
SIZE-UP - Provided they are not placed at substantial, additional risk, direct employees to put on appropriate Personal Protective Equipment (PPE), and conduct a thorough inspection of all vessels, foundations, structural members, piping, flanges, etc., for damage. Consider, especially if there is a potential for a chemical spill, chlorine or ammonia release, utilizing the "Key Size-Up Precautions" identified in Section 3.2.1, Section 3.2.2, or Section 3.2.3 of this Emergency Operations Plan.	Employee(s)/IC Time Log: _____	Section 3.2.1 Section 3.2.2 Section 3.2.3
Shut down potentially affected facility systems <u>immediately</u> if any damage is detected. • Damage may be assumed if any release or leak is seen, or if cracks are noted in any foundation, flange, pipework, etc., or if any cracks in the foundation have appeared or are enlarged. • Isolate and repair any damage detected and **<u>re-inspect the system</u>.** **Restart system <u>only</u> if no damage is detected or if all repairs have been made.**	Employee(s)/IC Time Log: _____	
Continuously assess the situation to determine if further action is necessary. If an incident or emergency occurs; **re-evaluate** the situation and initiate other portions of this Emergency Operations Plan, as necessary. • If **911** or Emergency Services are needed, and if radio and telephone are inoperative, and if response/follow-up efforts are not compromised with reduction in personnel, dispatch personnel to notify management and authorities.	IC	
Do not restart any equipment until clearance is obtained from the Operations Supervisor or Water Operations Manager.	IC	

<u>TRAINING SUPPLEMENT</u> - Possible precursors to "External Flooding or Internal Inundation":

- Earthquake
- Physical Attack
- Weather
- Tsunami

3.3.4 LOSS OF POWER

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

LOSS OF POWER		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If there is any indication that a malevolent action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site incident response or inspection. Consider the potential for this being a diversionary (or masking) attack. If this event is occurring as part of a physical attack on TVMWD personnel or systems, see Section 3.2.4.	First Responder (IC) Time Log: _____	
Notify the General Manager.	IC Time Log: _____	
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized. • Verify that the General Manager has been notified. • With the General Manager, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference
Determine which portions of the TVMWD water system might be compromised, and use alternate on-site power sources to restore function. As necessary, mobilize back-up emergency systems: • MTP - Diesel-powered generator • FF - Natural gas emergency pumps	IC Time Log: _____	
If critical fire services could potentially be compromised, notify **911 Emergency Services**.	IC Time Log: _____	Quick Reference
Continuously assess the situation to determine if further action is necessary.	IC	

TRAINING SUPPLEMENT - Possible precursors to “Loss of Power”:

- Earthquake
- Physical Attack
- Weather
- Tsunami

3.3.5 LOSS OF COMMUNICATIONS SYSTEM (e.g., LOSS OF HARDWIRE SYSTEM, RF SYSTEM)

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

LOSS OF COMMUNICATIONS SYSTEM (E.G., LOSS OF HARDWIRE SYSTEM, RF SYSTEM)		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If there is any indication that a malevolent action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site incident response or inspection. Consider the potential for this being a diversionary (or masking) attack. If this event is occurring as part of a physical or electronic attack on TVMWD personnel or systems, see Section 3.2.4.	First Responder (IC) Time Log: _____	
Notify the General Manager.	IC Time Log: _____	
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized. • Verify that the General Manager has been notified. • With the General Manager, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference
Determine which portions of the TVMWD water system might be compromised, and use alternate systems for inter-personnel communications. If control systems have been compromised, operate water systems manually to ensure retention of key functions.	IC Time Log: _____	
If critical fire services could potentially be compromised, notify **911 Emergency Services**.	IC Time Log: _____	Quick Reference
Continuously assess the situation to determine if further action is necessary.	IC	

TRAINING SUPPLEMENT - Possible precursors to "Loss of Communications System (e.g., Loss of Hardwire System, RF System)":

- Communications Outage
- Earthquake
- Physical Attack
- Weather

3.3.6 WATER SUPPLY FLOW INTERRUPTION (e.g., LOSS OF WATER SOURCE, DAMAGE TO CRITICAL PIPELINES)

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

WATER SUPPLY FLOW INTERRUPTION (e.g., LOSS OF WATER SOURCE, DAMAGE TO CRITICAL PIPELINES)		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If there is any indication that a malevolent action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site incident response or inspection. Consider the potential for this being a diversionary (or masking) attack. If this event is occurring as part of a physical attack on TVMWD personnel or systems, see Section 3.2.4.	First Responder (IC) Time Log: _____	
Notify the following in the order as they appear: Operations Supervisor, Water Operations Manager and General Manager.	IC Time Log: _____	
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized to affect the necessary repairs. • Verify that the General Manager has been notified. • With the General Manager, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference
If critical fire services could potentially be compromised, notify **911 Emergency Services**.	IC Time Log: _____	Quick Reference
Continuously assess the situation to determine if further action is necessary.	IC	

TRAINING SUPPLEMENT - Possible precursors to "Water Supply Flow Interruption (e.g., Loss of Water Source, Damage to Critical Pipelines)":

- Earthquake
- External/Internal Flooding
- Physical Attack
- Weather

3.3.7 DISTRIBUTION SYSTEM INTERRUPTION (e.g., MAJOR LINE BREAK, DISTRIBUTION SYSTEM LOW PRESSURE, DISTRIBUTION SYSTEM OUTAGES)

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***
4. ***Delivery of Safe Water to Customers***

RESPONDERS MUST BE TRAINED AND USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE)

DISTRIBUTION SYSTEM INTERRUPTION (e.g., MAJOR LINE BREAK, DISTRIBUTION SYSTEM LOW PRESSURE, DISTRIBUTION SYSTEM OUTAGES)		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If there is any indication that a malevolent action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site incident response or inspection. Consider the potential for this being a diversionary (or masking) attack. If this event is occurring as part of a physical attack on TVMWD personnel or systems, see Section 3.2.4.	First Responder (IC) Time Log: _____	
Upon contact with facility: • Determine status of situation. • Determine what resources have been mobilized to affect the necessary repairs. • Verify that the General Manager has been notified. • With the General Manager, activate appropriate portion of Emergency Response Team (ERT).	IC Time Log: _____	Quick Reference
If critical fire services could potentially be compromised, notify **911 Emergency Services**.	IC Time Log: _____	Quick Reference
Continuously assess the situation to determine if further action is necessary.	IC	
MAJOR LINE BREAK		
1. Respond to site. 2. Isolate leak to slow flow. Do not stop flow completely to prevent sucking contamination into the main. 3. Repair or isolate break to allow service to the maximum service area possible. 4. Disinfect per AWWA disinfection standards. 5. Increase system disinfectant residual as a precaution. Until normal service is restored.	IC Time Log: _____	

DISTRIBUTION SYSTEM INTERRUPTION (e.g., MAJOR LINE BREAK, DISTRIBUTION SYSTEM LOW PRESSURE, DISTRIBUTION SYSTEM OUTAGES)		
Task	**Predetermined Assignments**	**Referrals**
6. Perform bacteriological standards. 7. Flush as necessary using dechlorination devices and monitoring. 8. Reestablish normal service.		
DISTRIBUTION SYSTEM LOW PRESSURE		
1. Increase production, if possible to provide maximum system output. 2. Increase disinfection residual as a precaution to potential contamination. 3. Adjust pressures in system, as appropriate.	IC Time Log: _____	
DISTRIBUTION SYSTEM OUTAGES		
All significant water outages (widespread and lasting more than eight hours) or disinfection failure will be reported to the CDPH district office by telephone or equally rapid means. All emergencies will be documented along with action taken, and kept in the files of the water system office.	IC Time Log: _____	Appendix A

TRAINING SUPPLEMENT - Possible precursors to "Distribution System Interruption (e.g., Major Line Break, Distribution System Low Pressure, Distribution System Outages)":

- Earthquake
- Physical Attack
- Weather

3.1.4 WILDLAND OR ADJACENT PROPERTY FIRE

PRIORITIES:

1. ***Protection of Lives***
2. ***Protection of the Environment***
3. ***Conservation and Preservation of Property***

RESPONDERS MUST BE TRAINED AND USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

WILDLAND OR ADJACENT PROPERTY FIRE		
Task	**Predetermined Assignments**	**Referrals**
Take command until relieved by a more qualified individual. You are the First Response Incident Commander (IC). • If there is any indication that a malevolent action may have caused the event, contact **911** for both police and fire department response, prior to attempting on-site incident response or inspection. Consider the potential for this being a diversionary (or masking) attack.	First Responder (IC) Time Log: _____	
Verify **911** Emergency Services have been notified. If not, call **911** immediately. Be prepared to report as much pertinent information as you have available, preferably, at minimum: • Current situation and apparent size of fire • Wind direction • Any injuries known to have occurred • Any immediate potential threat to facility or personnel • General circumstances	Employee/IC Time Log: _____	
Consider activating the ERT, if not already activated. **ERT should always be activated if 911 has been triggered.**	IC Time Log: _____	Quick Reference Appendix A
Unless it compromises the "protection of lives", send an employee to the suggested entrance location to accompany the Fire Department to the appropriate location(s).	IC Time Log: _____	
Note wind direction. Evacuate any potentially-affected area. Account for the safety of all personnel. Make note of all "unaccounted-for persons." **If personnel are not endangered, a general evacuation is not necessary.**	IC Time Log: _____	
Notify the General Manager.	IC Time Log: _____	Quick Reference
Attempt to extinguish fire, if it can be done safely prior to the arrival of the Fire Department. • **Use appropriate Personal Protective Equipment (PPE).** • Use appropriate fire extinguishing equipment.	Trained Employee(s) Time Log: _____	

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Appendix O

Proof of Publication - Inland Valley Daily Bulletin

Proof of Publication - San Gabriel Valley Tribune

TVMWD Board Meeting Minutes Excerpt - May 18, 2011

Transmittal of UWMP to
Cities, Member Agencies, County - June 28, 2011

(Space below for use of County Clerk only)

INLAND VALLEY
DAILY BULLETIN
(formerly the Progress Bulletin)

2041 E. 4th Street
Ontario, CA 91764

PROOF OF PUBLICATION
(2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Los Angeles

I am a citizen of the United States, I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of INLAND VALLEY DAILY BULLETIN, a newspaper of general circulation printed and published daily for the City of Pomona, County of Los Angeles, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Los Angeles, State of California, on the date of June 15, 1945, Decree No. Pomo C-606. The notice, of which the annexed is a true printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

5/11/11

I declare under penalty of perjury that the foregoing is true and correct.

Executed at Ontario, San Bernardino Co. California
this 11 day of MAY, 20 11

signature

4

Proof of

PUBLIC HEARING
THREE VALLEYS MUNICIPAL WATER DISTRICT
NOTICE OF INTENT TO ADOPT 2010 URBAN WATER MANAGEMENT PLAN

NOTICE IS HEREBY GIVEN that the Board of Directors (Board) of the Three Valleys Municipal Water District (TVMWD) will meet during its regular meeting:

Wednesday, May 18, 2011, 8:00 a.m.
at Three Valleys Municipal Water District
1021 East Miramar Avenue,
Claremont, CA
(909) 621-5568

NOTICE IS HEREBY GIVEN that the Board will conduct a public hearing to consider the adoption of Three Valleys MWD 2010 Urban Water Management Plan

Prior to taking final action to adopt the 2010 Urban Water Management Plan the Board will hear and consider final public comments, objections, and/or protests on the proposed Urban Water Management Plan.

Written comments and protests regarding the District's proposed 2010 Urban Water Management Plan may be delivered prior to the beginning of the Board Meeting by mail or hand delivery to TVMWD, Attention: Executive Assistant, 1021 East Miramar Avenue, Claremont, CA 91711. Mailed protests must be received at TVMWD prior to the close of business on May 17, 2011. Oral or written comments may also be submitted to the Board at the meeting.

TVMWD welcomes and encourages your participation at this meeting. If you have any questions regarding the proposed 2010 Urban Water Management Plan or would like additional information, please contact Mario Garcia at (909) 621-5568 Monday - Thursday, 8:00 A.M. to 5:00 P.M. or via email at mgarcia@tvmwd.com

Dated: May 11, 2011
May 16, 2011

/s/ Richard W. Hansen
General Manager / Chief Engineer
THREE VALLEYS MWD

Published: May 11, 2011 #193616

Story #193420 System LANGZ by S811 Time 9:34:05 Date 5/09/11

Ad # Filmed 5/09/11 at 9:34:05 by S811 Page 1

PUBLIC HEARING
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Dated: May 11, 2011
May 16, 2011

/s/ Richard W. Hansen
General Manager / Chief Engineer
THREE VALLEYS MWD

Published: May 11, 16, 2011
San Gabriel Valley Tribune Ad#193420

MINUTES
REGULAR BOARD OF DIRECTORS MEETING
THREE VALLEYS MUNICIPAL WATER DISTRICT

Wednesday, May 18, 2011
8:00 a.m.

1. Call to Order / Pledge of Allegiance

The Board of Directors Meeting of the Three Valleys Municipal Water District was called to order at 8:00 a.m. by President Kuhn at the District Office located at 1021 East Miramar Avenue, Claremont.

2. Roll Call

Following the flag salute, roll call was taken with a quorum of the Board members present.

Directors Present	Bob Kuhn – President, Division IV
	David De Jesus – Vice President, Division II
	Brian Bowcock – Secretary, Division III
	Joseph Ruzicka – Treasurer, Division V
	Dan Horan – Director, Division VII
	John Mendoza – Director, Division VI
	Carlos Goytia – Director, Division I
Staff Present	Liz Cohn, Sr. Financial Analyst
	Ray Evangelista, Engineer
	Mario Garcia, Project Engineer
	Vicki Hahn, Executive Assistant
	Rick Hansen, General Manager/Chief Engineer
	Kirk Howie, Assistant General Manager, Administration
	Jim Johns, Water Operations Manager
	Steve Kennedy, Brunick, McElhaney & Beckett (arrived @ 8:03 a.m.)
	James Linthicum, Chief Finance Officer
	Esther Romero, Accounting Technician
	Mike Sovich, Assistant General Manager, Engineering & Operations

absence of the representative. Staff responded directly to Director Mendoza's inquiry about Six Basins in that the director that was compensated for attending Six Basins Watermaster that is not a representative or an alternate member is serving his first year as a board member for Three Valleys MWD. Three Valleys has historically provided an opportunity to any board member during their first year of service to provide them with every possible opportunity to learn about the District and the issues it is involved with and to receive compensation for doing so up to the approved ten days of service.

Motion No. 11-05-4800: Moved by Director Ruzicka, seconded by Director De Jesus, to approve the Directors' monthly payment request forms – April 2011.

Motion No. 11-05-4800 passed 7-0

AYES: Bowcock, De Jesus, Goytia, Horan, Kuhn, Mendoza, Ruzicka
NOES: None
ABSENT: None
ABSTAIN: None

8. General Manager's Report [1] [2]

A. Public Hearing – 2010 Urban Water Management Plan (UWMP) [1]

Staff introduced Mario Garcia. Project Engineer to provide a brief summary of the purpose and intent of the Urban Water Management Plan (UWMP) prior to opening the public hearing in this matter.

Staff further advised that the 2010 UWMP was done completely in house with a projected savings to the District of approximately $100,000.

Mr. Garcia informed that completing the UWMP is mandated by the state to be completed every five years. The last report was completed in 2005. Its intent is that any urban water supplier that delivers greater than 3,000 acre-feet is required to consider and predict future water demand based on growth, supply and other factors. The consequence for not completing the UWMP is that the agency becomes ineligible to apply for any state funded grant money for water-related projects.

President Kuhn inquired whether the District ever received any comments from the State of California Department of Water Resources on past UWMP reports submitted and if so whether those comments are returned to the Board of review and consideration. Mr. Garcia replied affirmatively and that any recommended changes that must be made to the report once it is filed must be brought before the board to adopt an amended resolution.

Director Mendoza commented that he had the opportunity to review the UWMP and that it helped him to better understand the District.

President Kuhn opened the public hearing at 8:15 a.m. and asked whether anyone wished to address the board to provide public comment or testimony in this matter. There was not any public comment and members of the audience did not direct any inquiries to the Board of Directors in this matter. President Kuhn closed the public hearing at 8:16 a.m.

B. Consider approval of Resolution No. 11-05-674 Adopting Three Valleys 2010 Urban Water Management Plan [1]

Following the public hearing the Board was asked to consider approval of Resolution No. 11-05-674 Adopting Three Valleys 2010 Urban Water Management Plan.

President Kuhn called for any further questions or discussion before calling for a motion in this matter.

Motion No. 11-05-4801: Moved by Director Ruzicka, seconded by Director Bowcock, to approve Resolution No. 11-05-674 Adopting Three Valleys 2010 Urban Water Management Plan

Motion No. 11-05-4801 passed 7-0

AYES: Bowcock, De Jesus, Goytia, Horan, Kuhn, Mendoza, Ruzicka
NOES: None
ABSENT: None
ABSTAIN: None

Upon approval of Resolution No. 11-05-674 under Motion No. 11-05-4801 staff was directed to file the completed 2010 Urban Water Management Plan in accordance with the timeline provide by the State of California Department of Water Resources. The report will be filed on or before July 1, 2011 in accordance with this timeline.

C. Project/Planning & Development Committee [2]

The next Project/Planning & Development Committee will be held in combination with a special Board meeting scheduled for 6:00 p.m. on Wednesday, June 1, 2011. During its May 3, 2011 meeting the Committee had one item to bring before the Board for consideration and approval as follows:

1) **Rescission of the Water Supply Allocation Plan (WSAP) for FY 10-11 Effective April 13, 2011; and Instruct that TVMWD Not Implement the WSAP for FY 11-12**

June 28, 2011

To: California State Library
Cities and Counties within Three Valleys MWD service area

From: Richard W. Hansen, General Manager
Three Valleys Municipal Water District

RE: 2010 Urban Water Management Plan (UWMP)

After a public hearing at its May 18, 2011 meeting, the Board of Directors of Three Valleys Municipal Water District (TVMWD) adopted the District's 2010 Urban Water Management Plan (UWMP). The UWMP is a planning document that assists urban water suppliers in assessing existing and future water demands and evaluating long-term supply reliability. The plan also evaluates potential future sources and water conservation efforts to improve overall reliability for a water supplier's service area.

The adopted UWMP was subsequently submitted to the California Department of Water Resources, and pursuant to Sections 10635(b) and 10644(a) of the California Water Code, TVMWD submits the enclosed copy of its 2010 UWMP to the California State Library and all cities and counties within the District's service area.

As a wholesale urban water supplier, TVMWD is not the retail agency supplying water directly to a city's residents and businesses. If available, please refer to the UWMP prepared by the retail purveyor(s) serving within your city's boundaries for additional planning information.

The District's UWMP can also be accessed via TVMWD's website at *www.threevalleys.com.* Additionally, the document will be available for viewing during normal business hours at TVMWD's headquarters located at

Three Valleys Municipal Water District
1021 E. Miramar Avenue
Claremont, CA 91711

Appendix P

2005 UWMP Implementation

DWR Acceptance Letter - February 5, 2008

CHAPTER 8. ADOPTION AND IMPLEMENTATION

Three Valleys sought input from the agencies it serves as customers, from other local entities and from the public in the development of this Plan. As set forth in Government Code Section 6066, notice of this public hearing (copy attached) was published in newspapers of general circulation.

Specifically, the public hearing was advertised on December 7 and 14, 2005, in the San Gabriel Valley Tribune and the Inland Valley Daily Bulletin.

Public Input Process

- Copies of the UWMP DRAFT document were provided to the Board on November 17, 2005 and also on December 16, 2005.
- As required by amendments to the Urban Water Management Planning Act, water suppliers are required to send notifications to all cities and counties in the suppliers' service area that the Urban Water Management Plan is being updated and that they are invited to provide comments during the update process. This was done on December 7, 2005.
- A hard copy of the final DRAFT plan along with a copy of the public notice was provided for reference purposes to the following public libraries within our service area:

Claremont Public Library	*Covina Public Library*	*Diamond Bar Public Library*
Glendora Library	*La Verne Public Library*	*Pomona Public Library*
Rowland Heights Library	*San Dimas Public Library*	*Walnut Public Library*

- In March 2005, TVMWD sent out notices to each of our Member Agencies in our service area seeking their input for development of the UWMP. Also at the monthly Member Agencies' Managers' meeting discussions and updates regarding the UWMP were reviewed with each of our Member Agencies on March 8, July 12, September 13, and the October 11, 2005. DRAFT copies of the plan were provided as a hand-out and an e-mail "PDF" copy was provided on October 14, 2005. A final DRAFT was provided December 7, also via e-mail distribution to each of our Member Agencies. In response, we received a variety of comments back that were incorporated into our plan.

- The District also distributed e-mail copies of our DRAFT plan to the Inland Empire Utilities Agency, Chino Basin Watermaster, Main San Gabriel Basin Watermaster, MWD and the Upper San Gabriel Valley MWD.

- A copy of the plan was available for public review at the District's Administrative offices is also available on our website at www.threevalleys.com.

STATE OF CALIFORNIA -- THE RESOURCES AGENCY
ARNOLD SCHWARZENEGGER, Governor

DEPARTMENT OF WATER RESOURCES
1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791

February 5, 2008

Mr. Richard Hansen
General Manager
Three Valleys Municipal Water District
1021 East Miramar Avenue
Claremont, California 91711-2052

Dear Mr. Hansen:

The Department of Water Resources (DWR) has reviewed the Three Valleys Municipal Water District's (TVMWD) 2005 Urban Water Management Plan (Plan) submitted on January 23, 2006 in accordance with the Urban Water Management Planning Act. Based on our review, your plan is complete. DWR's review is enclosed.

TVMWD can amend its 2005 Plan at any time. If you submit an amended or updated urban water management plan to DWR, we request that you submit three hard copies, one electronic copy, and proof of adoption to:

Mr. David Todd
Office of Water Use Efficiency & Transfers
Department of Water Resources
Post Office Box 942836
Sacramento, California 94236-0001

If you have questions about our review of your Plan, the changes to the Act, or amending or updating your Plan, you may contact me at (916) 651-7027 or by email at dtodd@water.ca.gov for further assistance.

Sincerely,

David Todd

David Todd, Chief
Technical Assistance and
Outreach Branch

Enclosure

cc: David Inouye
DWR Southern District Office


THREE VALLEYS
MWD