



**LAS VIRGENES MUNICIPAL WATER DISTRICT**  
4232 Las Virgenes Road, Calabasas CA 91302

**AGENDA**  
**REGULAR MEETING**

Members of the public wishing to address the Board of Directors are advised that a statement of Public Comment Protocols is available from the Clerk of the Board. Prior to speaking, each speaker is asked to review these protocols and **MUST** complete a speakers' card and hand it to the Clerk of the Board. Speakers will be recognized in the order cards are received.

The **Public Comments** agenda item is presented to allow the public to address the Board on matters not on the agenda. The public may present comments on any agenda item at the time the item is called upon for discussion.

Materials prepared by the District in connection with subject matter on the agenda are available for public inspection at 4232 Las Virgenes Road, Calabasas, CA 91302. Materials prepared by the District and distributed to the Board during this meeting are available for public inspection at the meeting or as soon thereafter as possible. Materials presented to the Board by the public will be maintained as part of the records of these proceedings and are available upon written request to the Clerk of the Board.

5:00 PM

April 22, 2014

**PLEDGE OF ALLEGIANCE**

**1. CALL TO ORDER AND ROLL CALL**

**A** The meeting was called to order at \_\_\_\_\_ p.m. by \_\_\_\_\_ in the District offices, and the Secretary called the roll.

<u>Board of Directors</u>	<u>Present</u>	<u>Left</u>	<u>Absent</u>
Charles Caspary, President	_____	_____	_____
Glen Peterson, Vice President/MWD Rep.	_____	_____	_____
Barry Steinhardt, Secretary	_____	_____	_____
Leonard Polan, Treasurer	_____	_____	_____
Lee Renger, Director	_____	_____	_____

**2. APPROVAL OF AGENDA**

- A Moved by Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, that the agenda for the Regular Meeting of April 22, 2014, be approved as presented/amended.

### 3. PUBLIC COMMENTS

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

### 4. CONSENT CALENDAR

- A List of Demands: April 22, 2014. Approve
- B Investment Report for the Month of March 2014. Approve
- C Investment Review: First Quarter of Calendar Year 2014 Receive and File
- D Minutes: Regular Meeting of February 25, 2014.; and Regular Meeting of March 11, 2014. Approve

### 5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

- A Legislative and Regulatory Updates

### 6. TREASURER

### 7. BOARD OF DIRECTORS

- A **ACWA General Session Membership Meeting: Designation of Voting Delegate**

Designate a voting delegate for the ACWA General Session Membership Meeting on May 7, 2014, and provide the delegate with feedback on the proposed bylaw amendments recommended by the ACWA Board of Directors.

- B **Safe and Professional Work Environment for Employees: Approval of Five-Signature Statement**

Approve the five-signature Statement of the Board of Directors Supporting a Safe and Professional Work Environment for Employees.

- C **Backbone Improvement Program 5-Million-Gallon Tank Project: Process to Approach Individuals with Greatest Concerns**

Provide staff with feedback on its process to approach individuals with the greatest concerns related to construction of the 5-Million-Gallon Tank Project.

### 8. FACILITIES AND OPERATIONS

- A **Tapia Water Reclamation Facility Primary Clarifier No. 1 Rehabilitation Project: Award of Construction Contract**

Award a construction contract to Offshore Construction, Inc. in the amount of \$169,500.00 for the Tapia Water Reclamation Facility Primary Clarifier No. 1 Rehabilitation Project and reject all remaining bids upon receipt of the duly executed contract documents.

- B **Castro Peak Communication Site Lease: Approval of Terms and Authorization to Execute Lease Agreement**

Approve the terms of a lease agreement with Communications Relay, LLC for communication equipment at Castro Peak and authorize the General Manager to execute a lease agreement in a form approved by the District's Legal Counsel.

**9. FINANCE AND ADMINISTRATION**

**A Claim from Ray Stewart**

Deny the claim from Ray Stewart.

**B Approval of Detachment and Annexation of Malibu Heights Territory: Parcel Map 23897, APN 4457-003-016, and APN 4457-002-038**

Adopt the Negotiated Tax Exchange Resolution, approving Annexation 29-1 that consists of the detachment of Parcel Map 23897, APN 4457-003-016 and APN 4457-002-038 from Las Virgenes Municipal Water District and annexation to Los Angeles County Waterworks District No. 29, Malibu.

**10. LEGAL SERVICES**

**A Update of Las Virgenes Municipal Water District Code: Review Session No. 1**

Review the proposed updates to Title 1, General Provisions, of the Las Virgenes Municipal Water District Code and provide feedback to staff and the District's Legal Counsel.

**11. INFORMATION ITEMS**

**A Backbone Improvement Program 5-Million-Gallon Tank Project: Summary of April 10th Information Session and Follow-Up Activities**

**12. NON-ACTION ITEMS**

**A Organization Reports**

- (1) MWD
  - a. Representative Report/Agenda(s)
- (2) Other

**B Director's Reports on Outside Meetings**

**C General Manager Reports**

- (1) General Business
- (2) Follow-Up Items

**D Director's Comments**

**13. FUTURE AGENDA ITEMS**

**14. PUBLIC COMMENTS**

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

**15. CLOSED SESSION****A Conference with District Counsel – Existing Litigation (Government Code Section 54956.9(a)):**

1. Las Virgenes - Triunfo Joint Powers Authority v. United States Environmental Protection Agency
2. Heal the Bay, Inc. v. Lisa P. Jackson

**B Conference with District Counsel – Anticipated Litigation (Government Code Section 54956.9(d)(2)):**

1. Tort Claim of Seymour Howard
2. Tort Claim of A. Kazden
3. Undisclosed matter

**16. OPEN SESSION AND ADJOURNMENT**

LAS VIRGENES MUNICIPAL WATER DISTRICT

To: LEONARD POLAN, TREASURER

Payments for Board Meeting of: April 22, 2014

Upon certification by the Treasurer the checks and wire transfers were correct and supporting documents available, it is recommended the following demands on the various funds be approved and payments authorized.

Wells Fargo Bank A/C No. 4806-994448

Checks Nos. 65516 through 65653 were issued in the total amount of

\$ 1,135,287.25

Payments through wire transfers as follows:

No Wire Transfers

Total payments

\$ 1,135,287.25

(Reference is hereby made to these demands on file in the District's Check Register and by this reference the same is incorporated herein and made a part hereof.)

ITEM 4A

**CHECK LISTING FOR BOARD MEETING  
04/22/14**

Company Name	Company No.	Check No. 65516 thru 65557 04/08/14	Check No. 65558 thru 65590 04/15/14	Check No. 65591 thru 65653 04/22/14	Total
		Amount	Amount	Amount	
Potable Water Operations	101	34,290.19	62,053.98	20,958.54	117,302.71
Reclaimed Water Operations	102		1,907.34		1,907.34
Sanitation Operations	130	2,819.83	10,060.25	14,790.00	27,670.08
Potable Water Replacement	301	1,170.21		138,276.71	139,446.92
Sanitation Replacement	330				0.00
Internal Service	701	39,821.64	21,609.78	62,635.10	124,066.52
Joint Venture Operations	751	29,977.12	96,270.95	77,640.35	203,888.42
Joint Venture Construction	752				0.00
Joint Venture Replacement	754	8,895.90		512,859.36	521,755.26
<b>Total Printed</b>		<b>116,974.89</b>	<b>191,902.30</b>	<b>827,160.06</b>	<b>1,136,037.25</b>

**Voided Checks/ payment stopped:**

CK #65529	101	(750.00)			
<b>Total Voids</b>		<b>(750.00)</b>	<b>0.00</b>	<b>0.00</b>	<b>(750.00)</b>
<b>Net Total</b>		<b>116,224.89</b>	<b>191,902.30</b>	<b>827,160.06</b>	<b>1,135,287.25</b>

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document	Ty	Number	Key	Item	Co	Amount	Invoice Number
65516	04/08/14	18652	ADWESTEAST	MWD TOUR TEES		PV	131800		001	00701	1,505.85	14-5090
				MWD TOUR TEES		PV	131801		001	00701	549.22	14-5094
				Payment Amount							2,055.07	
65517	04/08/14	2869	AT&T	SRV		PV	131818		001	00101	55.42	7426/032314
				3/23-4/22/14								
				SRV		PV	131819		001	00101	55.42	5388/032314
				3/23-4/22/14								
				SRV		PV	131820		001	00101	57.28	2430/032314
				3/23-4/22/14								
				SRV		PV	131821		001	00101	122.29	0210/032314
				3/23-4/22/14								
				SRV		PV	131822		001	00701	60.12	1984/032314
				3/23-4/22/14								
				SRV		PV	131823		001	00101	55.42	2150/032014
				3/20-4/19/14								
				SRV		PV	131824		001	00701	277.36	0119/032214
				3/22-4/21/14								
				Payment Amount							683.32	
65518	04/08/14	9067	AUSTIN-MAC, INC.	RLV BKT ELEV PARTS		PV	131868		001	00701	10,247.52	24131
				Payment Amount							10,247.52	
65519	04/08/14	18071	BLUE DIAMOND MATERIALS	3.94 TN PVG & EMUL BKT		PV	131872		001	00701	465.63	238037 RI
				2.96 TN PAVING		PV	131904		001	00701	284.61	238125 RI
				MATERIAL								
				Payment Amount							670.24	
65520	04/08/14	2536	CITY OF LOS ANGELES	ASSFC CONN-JAN/FEB '14		PV	131906		001	00130	2,819.83	ASSFC/JAN-FEB 14
				Payment Amount							2,819.83	
65521	04/08/14	19174	CON-WAY FREIGHT INC.	HF SCIENTIFIC SHIPMENT		PV	131826		001	00101	137.03	936-598605
				Payment Amount							137.03	
65522	04/08/14	4586	CONSOLIDATED ELECTRICAL DISTRIBUTORS	RLV ELBOWS & PULL ELLS		PV	131863		001	00701	575.50	9009-693321
				Payment Amount							137.03	
				RLV 15 STRUT STRAPS		PV	131867		001	00701	170.37	9009-693302
				10 MINI CKT BRKR		PV	131874		001	00701	396.92	9009-691918

ITEM 4A

Batch Number - 230420

Bank Account - 00146807 Cash-General

Payment . . . . . Number	Date	Address Number	Name	Payment Stub Message	Document . . . . . Ty Number	Key Item Co	Amount	Invoice Number
65523	04/08/14	12559	DATASTREAM BUSINESS SOLUTIONS, INC.	RLV ELEC SUPPLIES	PV 131875	001 00701	1,374.81	9009-693018
				RLV ELEC SUPPLIES	PV 131876	001 00701	1,581.51	9009-692968
				RLV COIL & ELEC SUPPLIES	PV 131877	001 00701	877.91	9009-692851
				WLK 4 GRND BAR KITS	PV 131885	001 00701	120.29	9009-693133
				RLV 25 ALUM COUPLGS	PV 131887	001 00701	112.54	9009-693320
				Payment Amount 2/14 CONSLT & SUPPORT SVC	PV 131802	001 00701	500.00	14287
65524	04/08/14	18933	DAVIS WHOLESALE ELECTRIC, INC.	Payment Amount TAPIA: MT ETHERNET	PV 131913	001 00751	1,263.00	1021-402481
65525	04/08/14	2601	DELL COMPUTER CORP	Payment Amount 10 OPTIPLEX 3020 MINI TWRS	PV 131803	001 00701	9,444.87	XJCRN3FF9
				D. PATTERSON COMPUTER	PV 131804	001 00701	1,498.68	XJCT6F5D6
			AI Payee	DELL MARKETING LP C/O DELL USA L.P. P.O. BOX 910916 PASADENA CA 91110-0916				
65526	04/08/14	3515	DWYER INSTRUMENTS, INC.	Payment Amount PRES TRANSMITTER & SUPPLIES	PV 131878	001 00701	1,122.70	03697043
				FREIGHT RETURNED FLOW SWITCH	PV 131878	004 00701	15.71	03697043
				Payment Amount 1 PKG DEL 3/20/14	PD 131884	001 00751	490.50	CM643361
65527	04/08/14	2658	FEDERAL EXPRESS CORP	Payment Amount 1 PKG DEL 3/20/14	PV 131825	001 00701	75.41	2-604-39586

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Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key Ilm Co	Amount	Invoice Number
65528	04/08/14	7030	FIRST NEIGHBORHOOD PROPERTY OWNER ASSOC.	BALLRM RENTAL 4/10/14	PV	131927	001 00101	350.00	RENT/041014
65529	04/08/14	7030	FIRST NEIGHBORHOOD PROPERTY OWNER ASSOC.	RFNDBL DEPOSIT-BALLR M 4/10	PV	131928	001 00101	750.00	DEPOSIT/041014
65530	04/08/14	6770	G.I. INDUSTRIES	3/16-3/26 DISP-SHOP 3/16-3/26 DISP-RLV	PV	131865	001 00701	528.50	26882288-0283-2
			All Payee	G.I. INDUSTRIES P.O. BOX 541065 LOS ANGELES CA 90054-1065				219.49	26882290-0283-0
65531	04/08/14	16057	H.F. SCIENTIFIC, INC	PH BUFFER SOLUTION	PV	131859	001 00701	327.00	001900249
65532	04/08/14	16809	ICTUS CONSULTING, LLC	3/14 RECORDS MGT SVC	PV	131881	001 00701	5,200.00	LVMWD-140301
65533	04/08/14	2743	JOBS AVAILABLE	3/25 AD DSP-L-SYS ANALYST	PV	131907	001 00701	312.00	1407022
65534	04/08/14	2611	LA DWP	RECTIFIER 2/25-3/25/14 RECTIFIER 2/26-3/26/14	PV	131832	001 00101	40.97	557-160/03261
65535	04/08/14	3164	LEMIEUX & O'NEILL	RETAINER-MARC H '14 PROF SRV-MARCH '14	PV	131976	001 00701	6,000.00	140-999M/0314

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Batch Number - 230420  
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Sub Message	Document Ty	Document Number	Key	Key	Amount	Invoice Number
							Item	Co		
				PROF	PV	131977	002	00701	1,685.00	140M/0314
				SRV-MARCH '14						
				PROF	PV	131977	003	00701	1,111.50	140M/0314
				SRV-MARCH '14						
				PROF	PV	131977	004	00701	1,286.00	140M/0314
				SRV-MARCH '14						
				PROF	PV	131977	005	00701	9,842.26	140M/0314
				SRV-MARCH '14						
				PROF	PV	131977	006	00701	2,074.19	140M/0314
				SRV-MARCH '14						
65535	04/08/14	19026	MNS ENGINEERS, INC.	Payment Amount 2/14 CHNL MIXG IMPRV	PV	131871	001	00701	8,895.90	6416B
				Payment Amount				22,649.12		
65537	04/08/14	2839	MOTION INDUSTRIES, INC.	POPULAR B-BRG	PV	131882	001	00701	500.02	CA22-576074
				Payment Amount				8,895.90		
				POPULAR B-BRG						
				Payment Amount				500.02		
65538	04/08/14	15469	OLYMPIC PAINTING CO.	PAINT 14 F/H & AV CANS	PV	131808	001	00701	640.00	10013
				3/25 PAINT	PV	131828	001	00101	1,500.00	10011
				SRV @ WLK P/S	PV	131829	001	00101	1,500.00	10012
				3/25 PAINT						
				SRV @ STUNT						
				P/S						
				Payment Amount				3,640.00		
65539	04/08/14	17860	SHERRI PANIAGUA	REIMB EMPLOYMINT LAW	PV	131910	001	00701	97.39	022114
				CNF 2/20-21						
				Payment Amount				97.39		
65540	04/08/14	18821	LEONARD POLAN	REIMB-EXP ACWA SYMPSM 3/4-3/5	PV	131912	001	00701	456.33	030514
				Payment Amount				456.33		
65541	04/08/14	19058	PROTECTOR FENCE	INSTL FNC-PR ST @ MLB CTRY	PV	131870	001	00701	5,265.00	989
				Payment Amount				456.33		

ITEM 4A

R04576

Las Virgenes Municipal Water  
A/P Auto Payment Register

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Batch Number - 230420

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key I	Key m	Key Co	Amount	Invoice Number
65542	04/08/14	16788	RADIO ACTIVITY	Payment Amount EVL/PLN RPTR STE@CST PK	PV	131925	001	00701	5,265.00	275.00	0021114
65543	04/08/14	17174	ROTH STAFFING COMPANIES, LP	Payment Amount TEMP SRV W/E 3/23 S.T.	PV	131827	001	00701	275.00	293.60	12970769
				TEMP SRV W/E 3/23 B.J.	PV	131909	001	00701		956.88	12970768
65544	04/08/14	2958	SOUTHERN CALIFORNIA GAS CO	Payment Amount CONDUIT P/S 2/24-3/25/14	PV	131831	001	00101	1,250.48	14.30	8400/032714
65545	04/08/14	8645	SOUTHERN CALIFORNIA TROPHY COMPANY	Payment Amount ANVSRV GIFT-10 YR MH	PV	131908	001	00701	14.30	122.29	030308-14
65546	04/08/14	18056	BARRY STEINHARDT	Payment Amount REIMB-EXP ACWA SYMPSM 3/4-3/5	PV	131911	001	00701	122.29	509.57	030514
65547	04/08/14	14479	STEPHEN'S VIDEO PRODUCTIONS	Payment Amount 3/14 BD MTG VIDEO SRV	PV	131883	001	00701	509.57	1,635.00	3-27-14
65548	04/08/14	8838	STOVER SEED COMPANY	Payment Amount HORSE PASTURE	PV	131806	001	00701	1,635.00	450.60	0840590
65549	04/08/14	15427	THE GATEKEEPER	Payment Amount RPR WLK FILT BARRIER ARM RPR WLK FILT BARRIER ARM	PV	131869	001	00701	450.60	417.50	87616
65550	04/08/14	19182	THREE SPRINGS HOMEOWNERS ASSOCIATION	Payment Amount MAILING EXP-5 MG PRJ	PV	131926	001	00301	1,492.36	870.21	87616
65551	04/08/14	19887	TOMASH & ASSOCIATES	Payment Amount SRV-2ND BRD WKSHP 3/25	PV	131924	001	00701	670.21	1,987.70	032514TAA

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Batch Number - 230420

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document . . .	Key Lim Co	Amount	Invoice Number
65552	04/08/14	18810	UNIFIRST CORPORATION	Payment Amount 1,987.70	PV	131888	001 00701	41.02	634085
				3/14 MATS/TOWELS, UNIFORMS					
				3/14 MATS/TOWELS, UNIFORMS	PV	131888	002 00701	17.60	634085
				3/14 MATS/TOWELS, UNIFORMS	PV	131889	001 00701	41.02	635490
				3/14 MATS/TOWELS, UNIFORMS	PV	131889	002 00701	47.10	635490
				3/14 MATS/TOWELS, UNIFORMS	PV	131890	001 00701	44.42	636884
				3/14 MATS/TOWELS, UNIFORMS	PV	131890	002 00701	17.60	636884
				3/14 MATS/TOWELS, UNIFORMS	PV	131891	001 00701	45.40	638298
				3/14 MATS/TOWELS, UNIFORMS	PV	131891	002 00701	47.10	638298
				3/14 MATS/TOWELS, UNIFORMS	PV	131892	001 00701	13.88	634084
				3/14 MATS/TOWELS, UNIFORMS	PV	131892	002 00701	6.40	634084
				3/14 MATS/TOWELS, UNIFORMS	PV	131893	001 00701	13.88	635489
				3/14 MATS/TOWELS, UNIFORMS	PV	131893	002 00701	17.90	635489
				3/14 MATS/TOWELS, UNIFORMS	PV	131894	001 00701	13.88	636883
				3/14 MATS/TOWELS, UNIFORMS	PV	131894	002 00701	6.40	636883

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Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty Number	Key lim Co	Amount	Invoice Number
			MATS/TOWELS, UNIFORMS					
	3/14		MATS/TOWELS, UNIFORMS		PV 131895	001 00701	13.88	635297
	3/14		MATS/TOWELS, UNIFORMS		PV 131895	002 00701	17.90	638297
	3/14		MATS/TOWELS, UNIFORMS		PV 131896	001 00701	183.12	634087
	3/14		MATS/TOWELS, UNIFORMS		PV 131897	001 00701	209.82	635492
	3/14		MATS/TOWELS, UNIFORMS		PV 131898	001 00701	188.82	636886
	3/14		MATS/TOWELS, UNIFORMS		PV 131899	001 00701	213.58	638300
	3/14		MATS/TOWELS, UNIFORMS		PV 131900	001 00701	23.74	634086
	3/14		MATS/TOWELS, UNIFORMS		PV 131900	002 00701	20.80	634086
	3/14		MATS/TOWELS, UNIFORMS		PV 131901	001 00701	23.74	635491
	3/14		MATS/TOWELS, UNIFORMS		PV 131901	002 00701	30.30	635491
	3/14		MATS/TOWELS, UNIFORMS		PV 131903	001 00701	20.34	638299
	3/14		MATS/TOWELS, UNIFORMS		PV 131903	002 00701	30.30	638299
	3/14		MATS/TOWELS, UNIFORMS		PV 131905	001 00701	20.34	636885

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Batch Number - 230420

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document		Key	Amount	Invoice Number
					Ty	Number			
				3/14 MATS/TOWELS, UNIFORMS	PV	131905	002 00701	20.80	636885
65553	04/08/14	3025	WATER & SANITATION SRV/AVENTURA COUNTY	Payment Amount PURCH WTR 2/18-3/18/14	PV	131880	001 00101	17,240.04	857594
				1,391.08					
65554	04/08/14	3047	WESCO DISTRIBUTION, INC.	Payment Amount ELECTRIC PARTS-WLK	PV	131809	001 00701	118.16	290728
				MISC ELEC PARTS-RLV	PV	131810	001 00701	421.05	290729
				CARTRIDGE & FUSE-TAPIA	PV	131811	001 00701	175.03	290730
				Alt Payee 6443 WESCO DISTRIBUTION, INC PO BOX 31001-0465 PASADENA CA 91110-0465					
65555	04/08/14	3053	WESTERN CITY MAGAZINE	Payment Amount SBSCRPTN-2 YRS 5/14-4/16	PV	131929	001 00701	63.00	140391
65556	04/08/14	8060	WIL-POWER BATTERY DISTRIBUTORS	Payment Amount 12V VRLA BATTERY (6)	PV	131807	001 00701	1,241.95	171007
65557	04/08/14	3067	XEROX CORPORATION	Payment Amount LEASE-2/14 D95 HQ-2ND FLR	PV	131812	001 00701	706.53	072875280
				LEASE-2/14 X560EFI SVR	PV	131816	001 00701	192.02	072875282
				W5645 COPIER @ TP/MAR '14	PV	131817	001 00701	337.31	073046056
				LEASE-2/14 XC560 PRNTR	PV	131838	001 00701	1,149.21	072875283
				LEASE-2/14 W5645 COPIER	PV	131842	001 00701	337.31	073046055
				LEASE 2/14 D95 HQ-1ST	PV	131858	001 00701	673.82	072875279

ITEM 4A

Las Virgenes Municipal Water  
A/P Auto Payment Register

R04576

Batch Number - 230420

Bank Account - 00146807 Cash-General

Payment . . . . . Number	Date	Address Number	Name	Payment Stub Message . . . . . Ty	Document . . . . . Number	Key Item	Co	Amount	Invoice Number
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FLR

Payment Amount 3,386.20

Total Amount of Payments Written 116,974.89

Total Number of Payments Written 42

ITEM 4A

Batch Number - 230480  
Bank Account - 00145807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Key	Amount	Invoice Number	
65558	04/15/14	2315	ACI COMMUNICATION S INC	INSTALL CAT 6 DROP	PV	131941 001 00701	834.11	33988	
65559	04/15/14	9680	ADS, LLC	Payment Amount 3/14 ADS FLW MNT@LV	PV	131931 001 00701	673.45	12878.22-0314	
65560	04/15/14	3077	AIRGAS USA, LLC	Payment Amount 3/14 ADS FLW MNT@JPA OXYGEN & ACETYLENE	PV	131946 001 00701	675.70	12878.22-0314 9025927640	
		Alt Payee 6658 AIRGAS USA, LLC P. O. BOX 7423 PASADENA CA 91109-7423							
65561	04/15/14	18180	ARC IMAGING RESOURCES	Payment Amount 3 INK CARTRIDGES	PV	131968 001 00701	238.88	761950	
65562	04/15/14	7965	B&B PALLET CO.	Payment Amount 55 YDS WOODCHIPS	PV	131933 001 00701	638.00	111217	
				Payment Amount 55 YDS WOODCHIPS	PV	131934 001 00701	638.00	111218	
				Payment Amount 55 YDS WOODCHIPS	PV	131935 001 00701	638.00	111219	
				Payment Amount 55 YDS WOODCHIPS	PV	131978 001 00701	638.00	111220	
				Payment Amount 55 YDS WOODCHIPS	PV	131979 001 00701	638.00	111221	
65563	04/15/14	19122	CENTER-LINE CONCRETE CUTTING COMPANY	Payment Amount 3.5" CORE DRILL HOLES@RANCHO	PV	132032 001 00701	555.00	4105	
65564	04/15/14	5419	COMMONS-AT CALABASAS LLC	Payment Amount RFND UNUSD PREPD DEPOSIT	PV	131965 001 00701	1,763.56	C0480950	
65565	04/15/14	11330	DIAL SECURITY	Payment Amount 4/14 SECURITY SVC@TAPIA	PV	131970 001 00201	45.00	219862	
				Payment Amount 4/14 SECURITY	PV	131971 001 00701	80.00	219863	

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Batch Number - 230480

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key ltr	Key Co	Amount	Invoice Number
65566	04/15/14	19107	EVOQUA WATER TECHNOLOGIES LLC	SVC@RLV 4/14 SECURITY SVC@RLV FARM 4/14 SECURITY SVC@WLK PS 4/14 SECURITY SVC@WLK 4/14 SECURITY SVC@HQ LOBBY Payment Amount 40 REAGENT CRUSH TUBES	PV	131972	001	00701	35.00	219864
								543.00		
					PV	131932	001	00701	1,833.19	901641505
All Payee 19108 EVOQUA WATER TECHNOLOGIES LLC P. O. 360766 PITTSBURGH PA 15250-6766										
65567	04/15/14	2654	FAMCON PIPE	Payment Amount BOLTED&TRANS COUPLINGS 3 - 6" GATE VALVES	PV	131949	001	00701	1,828.02	157441
								3,339.76		
65568	04/15/14	2691	GIERLICH-MITC HELL, INC.	Payment Amount 3 SPKT TEETH-GEAR BX DRV	PV	131940	001	00701	1,032.50	GC13881
All Payee 8003 GIERLICH-MITCHELL, INC. 10533 PROGRESS WAY, SUITEA CYPRESS CA 90630										
					PV	131940	002	00701	15.16	GC13881
65569	04/15/14	19114	HAZEN AND SAWYER	Payment Amount PROF SRV-12/113--1 /3/14	PV	132071	001	00751	29,069.10	0000002
								1,047.66		
65570	04/15/14	15755	HD SUPPLY WATERWORKS, LTD.	Payment Amount AIR/VAC BSH, SEAT, PLG & FRM	PV	131948	001	00701	1,291.82	C098305
All Payee 15948 HD SUPPLY WATERWORKS, LTD FILE #56214 LOS ANGELES CA 90074-6214										

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Batch Number - 230480

Bank Account - 00146607 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key	Key	Amount	Invoice Number
Number	Date	Number				Number	Item	Code		Number
65571	04/15/14	8304	IFM EPECTOR INC.	Payment Amount RLV 2 FLOW SENSORS	PV	131944	001	00701	806.60	20591440
65572	04/15/14	2889	J G POLLARD CO/POLLARDWAT ER.COM	Payment Amount VAULT COVER HOOK	PV	131960	001	00701	295.00	1376320-IN
65573	04/15/14	3083	JCI JONES CHEMICALS, INC	Payment Amount 5046 GAL HYPOCHLORITE	PV	131936	001	00701	2,936.62	613018
				FREIGHT	PV	131960	002	00701	27.78	1376320-IN
				Payment Amount					322.78	
				5032 GAL HYPOCHLORITE	PV	131937	001	00701	2,928.47	613236
				5053 GAL HYPOCHLORITE	PV	131938	001	00701	2,940.69	612643
				4289 GAL SODIUM BISULFITE	PV	131939	001	00701	5,833.04	612936
				Payment Amount					14,638.82	
65574	04/15/14	18695	JCI JONES CHEMICALS, INC P.O. BOX 636877 CINCINNATI OH 45263-6877	REIMB EXP-GIOA CONF 3/14	PV	132074	001	00701	282.83	092814
65575	04/15/14	3483	JOSEPH LILLIO DAVID LIPPMAN	Payment Amount REIMB CELL EXP	PV	132067	001	00701	69.80	7898/030714
				2/4-3/3/14					282.83	
65576	04/15/14	7292	MICHAEL MCINTYRE	Payment Amount REIMB MILEAGE-ACP CONF 3/7	PV	132089	001	00701	28.50	030714
				REIMB MILEAGE-SCADA 3/14	PV	132070	001	00751	50.17	032914
65577	04/15/14	17295	MAIL FINANCE	Payment Amount POSTAGE MCHN RNT-4/23-5/22	PV	131966	001	00701	411.41	H4569666
									78.67	

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Batch Number - 230480

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Sub Message	Ty	Document Number	Key	Key	Key	Amount	Invoice Number
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
65578	04/15/14	2814	MCMaster-CARR SUPPLY CO	SS THRD PIPE&FITTING FREIGHT	PV	131942	001	00701	411.41	659.51	77914220
			Alt Payee	MC MASTER-CARR P. O. BOX 7690 CHICAGO IL 60680-7690	PV	131942	004	00701		54.07	77914220
65579	04/15/14	2839	MOTION INDUSTRIES, INC.	HYD HOSE ENDS	PV	132003	001	00701	713.58	196.81	CA22-576587
			Alt Payee	MOTION INDUSTRIES INC. FILE 749376 LOS ANGELES CA 90074	PV	132004	001	00701		25.63	CA22-576595
65580	04/15/14	2302	OFFICE DEPOT	COFFEE & OFFICE SUPPL	PV	131943	001	00701	222.44	107.91	702330567001
65581	04/15/14	15824	OUTBACK FOOTWEAR	COFFEE & OFFICE SUPPL	PV	131943	002	00701	549.77	441.86	702330567001
			Alt Payee	OUTBACK FOOTWEAR YD	PV	131981	001	00701		225.00	22703
65582	04/15/14	9543	PINKY'S TIRE SERVICE	FOOTWEAR - J.JUCEDA	PV	131982	001	00701	450.00	225.00	22607
65583	04/15/14	19140	POTABLE DIVERS INC.	(2) TIRES TRLR#117	PV	132030	001	00701	331.56	331.56	154602
			Alt Payee	POTABLE DIVERS INC. CLEAN UPPER OAKS TANK	PV	131963	001	00101		900.00	3
			Alt Payee	CLEAN 2 RW TANKS 4/1/14	PV	132073	001	00701		4,500.00	2
			Alt Payee	CLEAN 2 RW TANKS 4/1/14	PV	132073	002	00701		1,500.00	2
65584	04/15/14	18530	PR ELECTRONICS INC.	ISOLATOR, AMPLIFIER&DSP LY	PV	131964	001	00751	6,900.00	901.70	20562

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Batch Number - 230480

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key	Key	Amount	Invoice Number
Number	Date	Number				Number	lim	Co		Number
65585	04/15/14	2557	SOUTHERN CALIFORNIA EDISON	ENERGY-MARCH' 14	PV	131961	001	00101	26.35	2869/040414
				ENERGY-MARCH' 14	PV	131961	002	00101	338.44	2869/040414
				ENERGY-MARCH' 14	PV	131961	003	00101	26.75	2869/040414
				ENERGY-MARCH' 14	PV	131961	004	00101	25.08	2869/040414
				ENERGY-MARCH' 14	PV	131961	005	00101	63.27	2869/040414
				ENERGY-MARCH' 14	PV	131961	006	00101	17.33	2869/040414
				ENERGY-MARCH' 14	PV	131961	007	00101	16.15	2869/040414
				ENERGY-MARCH' 14	PV	131961	008	00101	10.76	2869/040414
				ENERGY-MARCH' 14	PV	131961	009	00101	25.08	2869/040414
				ENERGY-MARCH' 14	PV	131961	010	00101	27.88	2869/040414
				ENERGY-MARCH' 14	PV	131961	011	00101	27.60	2869/040414
				ENERGY-MARCH' 14	PV	131961	012	00101	4,080.34	2869/040414
				ENERGY-MARCH' 14	PV	131961	013	00101	3,100.05	2869/040414
				ENERGY-MARCH' 14	PV	131961	014	00101	80.73	2869/040414
				ENERGY-MARCH' 14	PV	131961	015	00101	6,724.03	2869/040414
				ENERGY-MARCH' 14	PV	131961	016	00101	3,453.59	2869/040414
				ENERGY-MARCH' 14	PV	131961	017	00101	26.75	2869/040414
				ENERGY-MARCH' 14	PV	131961	018	00101	185.77	2869/040414
				ENERGY-MARCH' 14	PV	131961	019	00101	3,148.25	2869/040414
				ENERGY-MARCH' 14	PV	131961	020	00101	28.16	2869/040414

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Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
14				ENERGY-MARCH'	PV	131961	021	00101	524.51	2869/040414
14				ENERGY-MARCH'	PV	131961	022	00101	912.65	2869/040414
14				ENERGY-MARCH'	PV	131961	023	00101	5,154.24	2869/040414
14				ENERGY-MARCH'	PV	131961	024	00101	213.81	2869/040414
14				ENERGY-MARCH'	PV	131961	025	00101	750.39	2869/040414
14				ENERGY-MARCH'	PV	131961	026	00101	626.47	2869/040414
14				ENERGY-MARCH'	PV	131961	027	00101	2,641.00	2869/040414
14				ENERGY-MARCH'	PV	131961	028	00101	29.14	2869/040414
14				ENERGY-MARCH'	PV	131961	029	00101	2,717.26	2869/040414
14				ENERGY-MARCH'	PV	131961	030	00101	31.24	2869/040414
14				ENERGY-MARCH'	PV	131961	031	00101	461.74	2869/040414
14				ENERGY-MARCH'	PV	131961	032	00101	27.45	2869/040414
14				ENERGY-MARCH'	PV	131961	033	00101	5,495.20	2869/040414
14				ENERGY-MARCH'	PV	131961	034	00101	8,218.63	2869/040414
14				ENERGY-MARCH'	PV	131961	035	00101	657.15	2869/040414
14				ENERGY-MARCH'	PV	131961	036	00101	1,572.42	2869/040414
14				ENERGY-MARCH'	PV	131961	037	00101	5,306.76	2869/040414
14				ENERGY-MARCH'	PV	131961	038	00101	10,226.96	2869/040414
14				ENERGY-MARCH'	PV	131961	039	00101	4,511.20	2869/040414
14				ENERGY-MARCH'	PV	131961	040	00101	1,783.45	2869/040414

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Batch Number - 230480

Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key ltm	Key Co	Amount	Invoice Number
				ENERGY-MARCH'	PV	131961	041	00101	50.74	2869/040414
				ENERGY-MARCH'	PV	131961	042	00101	415.50	2869/040414
				ENERGY-MARCH'	PV	131961	043	00101	51.41	2869/040414
				ENERGY-MARCH'	PV	131961	044	00101	871.14	2869/040414
				ENERGY-MARCH'	PV	131961	045	00101	2,554.21	2869/040414
				ENERGY-MARCH'	PV	131961	046	00101	3,713.35	2869/040414
				ENERGY-MARCH'	PV	131961	047	00101	25.08	2869/040414
				ENERGY-MARCH'	PV	131961	048	00101	30.26	2869/040414
				ENERGY-MARCH'	PV	131961	049	00101	27.18	2869/040414
				ENERGY-MARCH'	PV	131961	050	00101	190.68	2869/040414
				ENERGY-MARCH'	PV	131961	051	00101	27.92	2869/040414
				ENERGY-MARCH'	PV	131961	052	00101	646.67	2869/040414
				ENERGY-MARCH'	PV	131961	053	00101	14.44	2869/040414
				ENERGY-MARCH'	PV	131961	054	00101	14.43	2869/040414
				ENERGY-MARCH'	PV	131961	055	00101	392.91	2869/040414
				ENERGY-MARCH'	PV	131961	056	00101	37.52	2869/040414
				ENERGY-MARCH'	PV	131961	057	00101	453.42	2869/040414
				ENERGY-MARCH'	PV	131961	058	00101	2,158.75	2869/040414
				ENERGY-MARCH'	PV	131961	059	00101	1,599.40	2869/040414
				ENERGY-MARCH'	PV	131961	060	00101	798.70	2869/040414
				Payment Amount					87,368.74	

ITEM AA

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Las Virgenes Municipal Water  
A/P Auto Payment Register

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Bank Account - 00146807 Cash-General

Payment . . . Number	Date	Address Number	Name	Payment Stub Message	Ty	Document . . . Number	Key Lim .Co	Amount	Invoice Number
65586	04/15/14	2957	SOUTHERN CALIFORNIA EDISON	ENERGY-MAR'14 /COMPOST PLNT	PV	131962	001 00751	24,916.93	5165-46/04031
65587	04/15/14	9505	TIRE MAN AGOURA	Payment Amount VEH#8853 (4) TIRES ALIGN	PV	132031	001 00701	450.53	2032185
65588	04/15/14	19135	TRANSUNION RISK AND ALTERNATIVE	Payment Amount 3/14 ONLINE SRCH BD-BDT	PV	131967	001 00701	123.00	974571/MAR14
65589	04/15/14	13326	VILLA ESPERANZA SERVICES	Payment Amount LANDSCAPE SRV-MAR'14	PV	131947	001 00701	1,114.75	LVMWD 2014-04
65590	04/15/14	2436	VINCE BARNES AUTOMOTIVE	Payment Amount VEH#865 CHNG OIL&BRAKES	PV	132006	001 00701	505.76	020265
Total Amount of Payments Written								4,783.00	
Total Amount of Payments Written								505.76	
Total Amount of Payments Written								191,902.30	
Total Number of Payments Written								33	

ITEM **FA**

Batch Number - 230488

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Number	Key	Amount	Invoice Number
65591	04/22/14	2317	ACORN NEWSPAPER	ADS-WTR CONSRV & MOW 3/14	PV	132080	001 00101	3,318.56	870105/MAR14
65592	04/22/14	2321	ACWA	Payment Amount 2014 WTR BOND BRFG SRVY	PV	132097	001 00701	5,000.00	1
65593	04/22/14	17077	AECOM USA, INC.	Payment Amount 2/14 ELEC SUPPORT	PV	131955	001 00701	210.50	37428174
65594	04/22/14	5625	ASSOC. OF WATER AGENCIES OF VENTURA CO	1/10-3/7/14 DEMO DSGN Payment Amount WTRWISE BRKFST MTG 3/20/14	PV	131956	001 00701	17,242.28	37428475
65595	04/22/14	16893	BILLTRUST	CCWUC LUNCHEON 3/28/14 Payment Amount 3/14 BILLING/PYMT PROCESSNG	PV	132078	001 00701	150.00	05-7618
65596	04/22/14	5224	C.E.R.T., INC.	Payment Amount 4/9 FIRE EXTNG/SAFTY TRNG	PV	132011	001 00701	4,844.41	96761
65597	04/22/14	2608	CALIF DEPT OF PUBLIC HEALTH	Payment Amount SYS#1910225.7 /1-12/31/13	PV	132094	001 00701	1,850.00	20140007
65598	04/22/14	19183	BARBARA CANTOR	Payment Amount RFND BAL - CLOSED A/C	PV	131957	001 00101	1,932.80	1450257
65599	04/22/14	18576	CHEM-DRY CARPET TECH	Payment Amount CARPET CLEANING 3/4/14	PV	132090	001 00101	835.95	038882
				Payment Amount CARPET CLEANING 3/14/14	PV	132085	001 00701	133.00	197822
				Payment Amount CARPET CLEANING 3/14/14	PV	132086	001 00701	87.00	198016

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Batch Number - 230488

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Sub Message	Ty	Document Number	Key	Amount	Invoice Number
65600	04/22/14	2536	CITY OF LOS ANGELES	CARPET CLEANING 3/21/14 Payment Amount ASSSC-O&M FY12-13 RECON	PV	132087	001 00701	98.95	198173
65601	04/22/14	17251	EAGLE AERIAL IMAGING	ASSSC-CAP FY 12-13 RECON Payment Amount 30% FEE-AERIAL IMAGERY	PV	132021	001 00130	7,508.00	74WP140000094
65602	04/22/14	17918	EARTH LINK BUSINESS CO.	Payment Amount 4/1-4/30/14 MPLS LINES	PV	132065	001 00701	7,112.00	74WP140000095
65603	04/22/14	2655	FERGUSON ENTERPRISES	Payment Amount PRSSR RGULTRS 1" & 1-1/4"	PV	131992	001 00701	14,766.00	PMT#1
All Payee 3207 FERGUSON ENTERPRISES, INC. #1083 FILE 56809 LOS ANGELES CA 90074-6809									
65604	04/22/14	16305	JEFFREY FIELDS	Payment Amount RFND BAL - CLOSED A/C	PV	131951	001 00701	3,069.63	1318062504011 40
65605	04/22/14	19088	FRITTS FORD	Payment Amount 2014 FORD F150 PICKUPS	PV	132089	001 00101	530.69	045525
65606	04/22/14	19179	MARK GEYER	Payment Amount RFND BAL - CLOSED A/C	PV	131893	001 00701	84,305.08	432014
65607	04/22/14	2701	GRAINGER, INC.	Payment Amount RFND BAL - CLOSED A/C PAYMENT AMOUNT RATCHG WRENCH SET-ST	PV	132022	001 00101	45.54	047421
All Payee 5453 GRAINGER, INC. DEPT 805178142 PALATINE IL 60038-0001									
65608	04/22/14	3083	JCI JONES CHEMICALS	Payment Amount 4,949 GAL HYPOCHLORITE	PV	131954	001 00701	128.17	9395490353
All Payee 3083 JCI JONES CHEMICALS 427.31 2,880.17 613965									

ITEM 9A

Batch Number - 230488

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key	Amount	Invoice Number
Number	Date	Number				Number	Item Co		Number
			INC						
		Alt Payee	13647 JCI JONES CHEMICALS, INC P.O. BOX 636877 CINCINNATI OH 45263-6877						
65609	04/22/14	9792	MATT JOHNSON	TURF RMVL REBATE	PV	132026	001 00101	210.00	200393
65610	04/22/14	19184	ELLEN KATZMAN	RFND BAL - CLOSED A/C	PV	132091	001 00101	69.33	069685
65611	04/22/14	5230	KENNEDY/HENKS CONSULTANTS	P/E 3/28/14 3RD DGSTR CONST	PV	132098	001 00701	35,723.64	81433
				1/31 PW,RW,SAN MSTR PLNS	PV	132100	001 00701	43,125.00	79987
				1/31 PW,RW,SAN MSTR PLNS	PV	132100	002 00701	38,534.45	79987
65612	04/22/14	19178	ROLF LACKNER	TURF RMVL REBATE	PV	132028	001 00101	2,500.00	750342
65613	04/22/14	19177	DALJIT LALL	TURF RMVL REBATE	PV	132027	001 00101	790.00	560108
65614	04/22/14	3352	LAS VIRGENES MUNICIPAL WATER DISTRICT	CLBS PIPLN 2/28-3/31/14	PV	132048	001 00301	1,201.87	7727040914
				3RD DIGESTR 2/28-3/31/14	PV	132049	001 00754	33.37	7682040914

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Batch Number - 230488  
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key	Key	Amount	Invoice Number
...	...	...	...	...	...	...	...	...	...	...
65615	04/22/14	18069	LOS ANGELES COUNTY EDUCATION FOUNDATION	3RD DIGESTR 2/28-3/31/14 JED SMITH P/S 1/23-3/26/14 5 MG TNK 3/4-3/31/14 Payment Amount	PV	132050	001 00754	182.98	7677/040914	
65616	04/22/14	17295	MAILFINANCE	SPONSORSHIP-2 014 SOLAR CUP	PV	132015	001 00101	2,500.00	SOLARCUP/2014	
65617	04/22/14	2814	MCMMASTER-CARR SUPPLY CO	Payment Amount PROP TAX-PSTG MACHINE LEASE	PV	132014	001 00701	183.85	P4577932	
65618	04/22/14	19155	MCR TECHNOLOGIES, INC.	Payment Amount BATTERY CHG CNCCTNG CBLs BATTERY CHG CNCCTNG CBLs	PV	132063	001 00701	323.62	79585358	
65619	04/22/14	2839	MOTION INDUSTRIES, INC.	Payment Amount SUPER HC V-BELTS	PV	131997	001 00701	100.56	79585358	
65620	04/22/14	2302	OFFICE DEPOT	Payment Amount STAMP D.PATTERSON MRKRS, PHOTO PAPER, STAMP STAMP, NOTEPADS,	PV	132033	001 00701	25.22	702482045001	
				Payment Amount PULSAR TRNSDCR&CONTR L	PV	131984	001 00701	2,265.48	33476	
				Payment Amount SUPER HC V-BELTS	PV	131997	001 00701	100.56	CA22-576535	
				Payment Amount STAMP D.PATTERSON MRKRS, PHOTO PAPER, STAMP STAMP, NOTEPADS,	PV	132033	001 00701	100.56	702482045001	

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Batch Number - 230488  
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Ltm	Key Co	Amount	Invoice Number
65621	04/22/14	18874	PACIFIC HYDROTECH CORPORATION	Payment Amount PMT#11-3RD DIGESTER	PV	132082	001	00701	155.09 420,932.14	10487/#11
65622	04/22/14	8506	PADRE ASSOCIATES, INC.	5% RETENTION-PMT #11 Payment Amount 5MG TMK MONITORING MAR'14	PD	132083	001	00754	21,046.61-	10487/RTN#11
65623	04/22/14	19175	DEBBY PATTIZ	Payment Amount TURF RMVL REBATE	PV	132025	001	00101	5,062.76 260.00	2014-421 760490
65624	04/22/14	2585	PURETEC	Payment Amount 3/14 WTR TRMNT FOR BOIL	PV	131991	001	00701	260.00 315.84	1304395
65625	04/22/14	19181	STEVEN RANDAZZO	Payment Amount TURF RMVL REBATE	PV	132029	001	00101	432.19 1,157.00	1309090 580274
65626	04/22/14	17174	ROTH STAFFING COMPANIES, LP	Payment Amount TEMP SRV WVE 3/30/14 S.T. TEMP SRV WVE 3/30/14 B.J.	PV	132018	001	00701	293.60 956.88	12973446 12973445
65627	04/22/14	19180	VICTORIA SAYEG	Payment Amount RFND BAL - CLOSED A/C	PV	132023	001	00101	1,250.48 2.95	068131
65628	04/22/14	2926	SCAP	Payment Amount MEMBERSHIP-FY 14-15	PV	132016	001	00701	2.95 7,585.00	14-15/51
65629	04/22/14	5834	SCHAUB CONSTRUCTION	Payment Amount RFND BAL - CLOSED A/C	PV	132088	001	00101	7,585.00 1,322.21	068766

ITEM #11

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document	Key	Amount	Invoice Number
55630	04/22/14	19186	TAMMY SEARLE	RFND BAL - CLOSED/AVC	PV 132092	001 00101	92.96	068193
55631	04/22/14	6940	SECTRAM SECURITY, INC.	Payment Amount APRIL 14 - COURIER SRV	PV 132084	001 00701	306.76	14040589
55632	04/22/14	19176	MARK SINGER	Payment Amount TURF RMVL REBATE	PV 132024	001 00101	1,058.00	690760
55633	04/22/14	2957	SOUTHERN CALIFORNIA EDISON	Payment Amount RW P/S-3/3-4/2/1 4 NEM	PV 132099	001 00751	26,015.95	4500-42/04111 4
55634	04/22/14	2958	SOUTHERN CALIFORNIA GAS CO	Payment Amount JBR P/S - 3/6-4/4/14	PV 132095	001 00101	15.47	1200/040414
55635	04/22/14	4440	SOUTHWEST CHLORINATION, INC.	Payment Amount CHLORINATION WOOLSEY TANK	PV 132010	001 00101	106.70	7350
55636	04/22/14	12149	THATCHER CO. OF CALIFORNIA	Payment Amount 50 LBS SODIUM BICARBONATE	PV 132036	001 00701	1,308.55	232004
55637	04/22/14	18095	TOTAL BARRICADE SERVICE, INC.	Payment Amount 2 TRAFFIC PLANS-TO BLVD	PV 132093	001 00701	500.00	23784
55638	04/22/14	19028	TURF CONSTRUCTION COMPANY INC.	Payment Amount RPL 2" WTRLN @ PALO COMADO	PV 131914	001 00701	3,975.00	12086
55639	04/22/14	3006	UNDERGROUND SERVICE ALERT	Payment Amount 173 NEW TICKETS-MAR 14	PV 132054	001 00701	259.50	320140403
55640	04/22/14	2780	VALLEY NEWS GROUP	Payment Amount 2 DISPLAY ADS ADS-IRRIGATIO N&HANDS	PV 132017	001 00101	310.00	3-28
					PV 132081	001 00101	360.00	4-14

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Batch Number - 230488

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key ltm	Co	Amount	Invoice Number
65641	04/22/14	16823	VELOCITY TECHNOLOGY SOLUTIONS, INC.	Payment Amount DISASTER RCVRY-MAY'14	PV	131983	001	00701	670.00 3,114.00	301359
65642	04/22/14	3782	VENTURA HYDRAULIC & MACHINE WORKS	Payment Amount SHEFFER CYLINDER-RLV	PV	131959	001	00701	5,064.60	170951
65643	04/22/14	3035	VWR SCIENTIFIC	Payment Amount INCUBATOR 6.3 CF	PV	131916	001	00701	5,064.60 2,485.23	8057123184
				FREIGHT	PV	131916	002	00701	95.12	8057123184
				PHOSPHATE	PV	132037	001	00701	174.53	8057178616
				BUFFER						
				DILUTION						
				FREIGHT	PV	132037	002	00701	22.06	8057178616
				POTASSIUM	PV	132038	001	00701	59.95	8057162620
				PHOSPHATE						
				DIBASIC						
				FREIGHT	PV	132038	002	00701	13.03	8057162620
				SULFURIC ACID	PV	132040	001	00701	19.50	8057168818
				0.02N						
				FREIGHT	PV	132040	002	00701	16.15	8057168818
				HYDROCHLORIC	PV	132051	001	00701	35.10	8057194186
				ACID 25%						
				FREIGHT &	PV	132051	002	00701	43.63	8057194186
				HAZARDOUS						
				CHGS						
				Alt Payee						
			3216	VWR INTERNATIONAL, INC						
				P. O. BOX 640169						
				PITTSBURGH PA 15264-0169						
65644	04/22/14	3109	W. LITTEN	Payment Amount SPRYFLD 3/16-3/22/14 RLV	PV	131930	001	00701	2,954.30 3,252.75	0320302
65645	04/22/14	9355	W.A.S.T.E.C., INC.	Payment Amount (2) 2000 GAL SEPTIC TRUCKS	PV	132062	001	00701	3,252.75 898.00	15638

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04/22/14  
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Batch Number - 230488

Bank Account - 00146807 Cash-General

Payment . . . Number	Date	Address Number	Name	Payment Stub Message	Ty	Document . . . Number	Key lim Co	Amount	Invoice Number
65646	04/22/14	18521	WALTON MOTORS & CONTROLS, INC.	REPAIR YEOMANS 100HP PMP	PV	132058	001 00701	12,908.68	35736
Payment Amount 898.00 Payment Amount 12,908.68									
65647	04/22/14	18914	WECK LABORATORIES, INC.	LAB SRV-TAPIA GRNDWTR	PV	131919	001 00701	127.00	W3L0618-LV
				LAB SRV-RLV GNDWTR	PV	131920	001 00701	1,521.00	W4C1448-LV
				LAB SRV-TAPIA/EPA 1864A	PV	131921	001 00701	165.00	W4C1454-LV
				LAB SRV-BACTI RM DI WTR	PV	131922	001 00701	25.00	W4C1455-LV
				LAB SRV-EFFLUENT 3/14	PV	131923	001 00701	210.00	W4C1456-LV
				LAB SRV @ TAPIA	PV	131980	001 00701	235.00	W4D0554-LV
				LAB SRV @ MALIBU CREEK	PV	132000	001 00701	4,312.00	W4D0331-LV
				LAB SRV @ TAPIA	PV	132001	001 00701	62.00	W4D0332-LV
				GROUNDWTR LAB SRV@TAPIA EFFLUENT	PV	132002	001 00701	449.00	W4D0333-LV
Payment Amount 7,106.00									
65648	04/22/14	3047	WESCO DISTRIBUTION, INC.	T&B FORK/SPAD-TAP IA	PV	131916	001 00701	232.52	293843
				(8) 6 VLT LANTRNS WBATTERY	PV	132057	001 00701	219.74	297346
				4-POLE SOCKTS&4PDT RELAYS	PV	132059	001 00701	386.23	296457
				DPDT RELAY&4-POLE SOCKET	PV	132061	001 00701	239.04	296905

ITEM 4A

Batch Number - 230488

Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Item	Key Co	Amount	Invoice Number
65649	04/22/14	3048	WEST COAST AIR CONDITIONING		PV	131834	001	00701	650.00	\$55748
				Payment Amount					1,077.53	
				A/C PM SRV-HQ						
				3/11/14						
				A/C PM						
				SRV-BLDG 7						
				3/11/14						
				A/C PM						
				SRV-RLV						
				3/12/14						
				A/C PM						
				SRV-LV2						
				3/12/14						
				A/C PM						
				SRV-LJS #1						
				3/12/14						
				A/C PM						
				SRV-LJS #2						
				3/12/14						
				A/C PM						
				SRV-WSTLK						
				3/12/14						
				CONDENSATE						
				TBLT-HQ						
				A/C PM						
				SRV-TAPIA						
				3/11/14						
				A/C PM						
				SRV-BLDG 2						
				3/12/14						
				RPL BELT &						
				CNDNST						
				TB-BLDG 7						
				RPL BELT @						
				AIR						
				HNDLR-TAPIA						
				A/C PM						
				SRV-CRNL P/S						

ITEM 4A



Batch Number - 230488  
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Ty	Document Number	Key	Amount	Invoice Number
Number	Date	Number				Number	ltm Co		Number
	3/12/14				PV	131861	001 00701	58.97	S556089
			RPR						
			A/C-RANCHO						
	3/12/14				PV	131952	001 00701	1,566.34	S55626
			3/8						
			SRV@AMMONIA						
			TNK-WLK						
			Payment Amount						
			4/14 WTR TRMT						
			FOR BOILER						
			Payment Amount						
			3,625.00						
65650	04/22/14	3049	WEST COAST WATER SERVICE, INC		PV	131996	001 00701	322.00	22954
			Payment Amount						
			322.00						
65651	04/22/14	3387	WEST POINTE HOMES INC.		PV	132075	001 00701	3,297.00	T31234508
			Payment Amount						
			3,297.00						
65652	04/22/14	3057	XEROX CORPORATION		PV	132076	001 00701	556.07	T3123450/INT
			Payment Amount						
			3,853.07						
			LEASE-MAR'14						
			5740PT@OPS						
			Payment Amount						
			214.16						
65653	04/22/14	18922	1ST ENTERPRISE BANK		PV	132077	001 00754	21,048.61	10487/RTN#11
			Payment Amount						
			21,048.61						
			Total Amount of Payments Written						
			827,160.06						
			Total Number of Payments Written						
			63						

ITEM 4A

Date: April 10, 2014  
 To: David W. Pedersen, General Manager  
 From: Finance and Administration Department  
 Subject: Investment Report for the Month of March 2014

**Summary of Investments**

**Investments Maturing Within Six Months:**

Disc./Cpn Rate	Yield To Maturity	Investment Type	Date Invested	Date Matures	Book Value	Par Value	Market Value	Market Value Source
2.662%	2.662%	NYCGEN-Municipal Bond	06/04/10	05/01/14	1,000,000	1,000,000	1,002,050	Custodian
1.150%	1.150%	FHLB-Callable Coupon	11/24/10	07/24/14	1,000,000	1,000,000	1,003,410	Custodian
		Sub-Total			2,000,000	2,000,000	2,005,460	

**Investments Maturing After Six Months:**

1.500%	1.500%	FNMA-Callable Coupon	09/08/10	09/08/14	1,000,000	1,000,000	1,006,180	Custodian
2.000%	2.000%	FHLB-Bullet	03/15/11	03/30/15	1,000,000	1,000,000	1,018,010	Custodian
1.250%	1.250%	FHLMC-Callable Coupon	02/17/12	02/17/17	1,000,000	1,000,000	1,002,630	Custodian
0.670%	0.670%	FNMA-Bullet	03/26/12	08/26/15	1,000,000	1,000,000	1,005,260	Custodian
1.050%	1.050%	FFCB-Bullet	03/28/12	03/28/16	1,000,000	1,000,000	1,012,720	Custodian
1.270%	1.270%	FHLB-Bullet	03/30/12	03/02/17	1,000,000	1,000,000	1,009,170	Custodian
0.750%	0.750%	KYSHSG-Municipal Bond	06/27/12	07/01/14	810,000	810,000	809,879	Custodian
0.980%	0.980%	FFCB-Callable Coupon	09/18/12	09/18/17	1,000,000	1,000,000	989,350	Custodian
0.900%	0.921%	FNMA-Callable Coupon	10/25/12	10/25/17	999,000	1,000,000	985,510	Custodian
0.625%	0.700%	FHLMC-Bullet	10/26/12	11/01/16	997,040	1,000,000	997,470	Custodian
0.820%	0.860%	FFCB-Callable Coupon	10/26/12	07/11/17	998,000	1,000,000	986,750	Custodian
0.75% & Up	1.045%	FNMA-Callable Coupon	11/21/12	11/21/17	1,000,000	1,000,000	991,880	Custodian
0.625%	0.625%	FNMA-Callable Coupon	11/28/12	11/28/16	2,000,000	2,000,000	1,986,180	Custodian
0.740%	0.550%	Montgomery-Muni Bond	11/29/12	04/01/15	1,004,400	1,000,000	1,001,370	Custodian
0.5% & Up	1.047%	FNMA-Callable Coupon	12/07/12	11/28/17	1,000,000	1,000,000	994,330	Custodian
0.600%	0.600%	FFCB-Callable Coupon	12/13/12	12/12/16	1,000,000	1,000,000	987,580	Custodian
0.600%	0.580%	Port Auth NY&NJ-MuniBon	12/19/12	12/01/15	1,000,580	1,000,000	996,870	Custodian
0.600%	0.600%	FFCB-Bullet	12/27/12	12/27/16	1,000,000	1,000,000	993,750	Custodian
0.500%	0.500%	FHLB-Callable Coupon	12/28/12	06/28/16	1,000,000	1,000,000	996,230	Custodian
0.850%	0.850%	AZSHGR-Muni Bond	01/17/13	06/01/15	2,205,000	2,205,000	2,217,855	Custodian
0.5% & Up	1.141%	FHLB-Callable Coupon	02/07/13	02/07/18	1,000,000	1,000,000	992,960	Custodian
1.585%	1.100%	LVNSCD-Muni Bond	02/20/13	11/01/17	1,022,130	1,000,000	997,230	Custodian
0.600%	0.600%	FNMA-Callable Coupon	02/25/13	08/25/16	1,000,000	1,000,000	997,670	Custodian
1.000%	1.000%	NJSMFH-Muni Bond	03/26/13	11/01/14	1,245,000	1,245,000	1,246,569	Custodian
0.690%	0.690%	PST-Muni Bond	03/26/13	11/01/16	1,000,000	1,000,000	992,630	Custodian
1.000%	1.000%	FHLMC-Callable Coupon	03/26/13	03/26/18	1,000,000	1,000,000	978,930	Custodian
0.8% & Up	1.145%	FNMA-Callable Coupon	03/27/13	03/27/18	1,000,000	1,000,000	990,700	Custodian
0.85% & Up	1.170%	FNMA-Callable Coupon	03/28/13	03/28/18	1,000,000	1,000,000	990,410	Custodian

ITEM AB

LVMWD Investment Report for the Month Ending March 31, 2014

Disc./Cpn Rate	Yield To Maturity	Investment Type	Date Invested	Date Matures	Book Value	Par Value	Market Value	Market Value Source
<b>Investments Maturing After Six Months (continued):</b>								
1.020%	1.020%	FHLMC-Callable Coupon	04/30/13	04/30/18	999,500	1,000,000	975,330	Custodian
0.950%	0.950%	FHLMC-Callable Coupon	05/22/13	05/22/18	1,000,000	1,000,000	975,180	Custodian
0.750%	0.750%	FHLMC-Callable Coupon	05/28/13	11/28/17	1,000,000	1,000,000	977,320	Custodian
0.75% & Up	1.117%	FNMA-Callable Coupon	05/29/13	05/29/18	1,000,000	1,000,000	989,040	Custodian
0.832%	0.832%	ARLDEV-Muni Bond	06/03/13	12/15/16	1,585,000	1,585,000	1,572,352	Custodian
1.250%	1.250%	FHLB-Callable Coupon	06/26/13	06/26/18	1,000,000	1,000,000	993,460	Custodian
1%/2%	1.896%	FNMA-Callable Coupon	12/05/13	12/05/18	1,000,000	1,000,000	1,000,550	Custodian
1.870%	1.870%	FHLMC-Callable Coupon	12/26/13	12/26/18	1,000,000	1,000,000	1,000,350	Custodian
0.25% & Up	1.944%	FHLMC-Callable Coupon	12/30/13	06/30/17	1,000,000	1,000,000	999,790	Custodian
0.5% & Up	2.067%	FHLMC-Callable Coupon	01/31/14	01/30/19	1,000,000	1,000,000	999,560	Custodian
0.625% & Up	1.648%	FHLMC-Callable Coupon	02/05/14	02/05/18	1,000,000	1,000,000	999,310	Custodian
1.300%	1.300%	FHLMC-Callable Coupon	02/27/14	02/27/18	1,000,000	1,000,000	992,210	Custodian
1.800%	1.800%	FHLMC-Callable Coupon	02/27/14	02/27/19	1,000,000	1,000,000	994,230	Custodian
1.800%	1.800%	FHLMC-Callable Coupon	03/12/14	03/12/19	1,000,000	1,000,000	995,370	Custodian
Sub-Total					44,865,650	44,845,000	44,640,124	
Total Investments					46,865,650	46,845,000	46,645,584	

Note: Gov. Agency Coupon Notes will distribute interest every six months.

1-CPNRT=0.78% to 11/15; thereafter 1.5%.

3-CPNRT=0.5% to 2/14; 0.75% to 2/15; 1% to 2/16; 1.5% to 2/17; thereafter 2%.

5-CPNRT=0.85% to 9/15; 1% to 9/16; 1.5% to 9/17; thereafter 2.5%.

7-CPNRT=1% to 6/14; thereafter 2%.

9-CPNRT=0.5% to 7/14; thereafter 2.25%.

2-CPNRT=0.5% to 8/14; 1% to 8/15; thereafter 1.5%.

4-CPNRT=0.8% to 5/16; 1% to 5/17; 2% to 11/17; thereafter 3%.

6-CPNRT=0.75% to 6/16; 1% to 6/17; 1.5% to 6/18; 2% to 12/18; 2.5% to 6/19; thereafter 3.5

8-CPNRT=0.25% to 6/14; 1% to 12/14; 1.5% to 6/15; 2% to 12/15; 2.5% to 6/16; 3% to 12/16; thereafter 3.5

10-CPNRT=0.625% to 2/15; thereafter 2%.

**Interest earnings for the month were as followed:**

	Amount	Current Yield
Refunding Revenue Bonds - Reserve Fund (Bank of New York Mellon)	\$530	0.236%
Local Agency Investment Fund (LAIF)	38,352	0.960%
Reich & Tang Daily Income - US Treasury Money Market Fund	4,520	0.236%
Sweep Accounts (Wells Fargo Bank/Bank of New York Mellon)	2	0.010%
	11	0.010%
<b>Total Earnings</b>	<b>\$43,415</b>	

**Schedule of Investment Balance Limitations (Per District investment policy)**

The source of the market valuation is as followed:

Investments (Note 1)

Investment	Total Amount Invested	% of Total	Max. Limit Allowed
Refunding Revenue Bonds - Reserve Fund (Bank of New York Mellon/LAIF)	\$46,865,650	64.00%	no limit
Reich & Tang Daily Income - US Treasury Money Market Fund (Union Bank)	2,763,292	3.77%	1 yr debt prmt.
Local Agency Investment Fund (LAIF)	19,991	0.03%	no limit
<b>Total</b>	<b>23,581,620</b>	<b>32.20%</b>	<b>50,000,000</b>
	<b>\$73,230,553</b>	<b>100.00%</b>	

(Note 2)

Note 1: The average weighted duration for investments, excluding LAIF, is 1.049 days, which is under the assumption that callable coupons will not be called and will be held until maturity.  
 Note 2: In March 2014, Joint Powers Authority's participation in investment is \$6,539,642.66, of which \$4,850,605.35 (or 74.17%) belongs to LV.

ITEM AB

LVMWD Investment Report for the Month Ending March 31, 2014

Bank Account Balances as of March 31, 2014:

Bank Name	Account Type	Amount
Wells Fargo Bank	Checking	\$92,983 (Note 3)
Wells Fargo Bank	Sweep	876,356
Bank of New York Mellon	Money Market	0
<b>Total</b>		<b>\$969,339</b>

Note 3: This is bank balance without adjusting for outstanding checks. The total amount of outstanding checks is unavailable at the time of reporting.

"All District investments are included in this report and all investments, except those relating to debt issues and deferred compensation programs funds, conform to District investment policy. All investment transactions within the period covered by this report, except for the exceptions noted above, conform to District investment policy. Deferred compensation program funds are not included in this report; their investment is directed by individual employees participating in the deferred compensation program and not by the District. Debt issue funds are included in this report; their investment is controlled by specific provisions of the issuance documents and not by the District."

"The deposits and investments of the District safeguard the principal and maintain the liquidity needs of the District, providing the District with the ability to meet expenditure requirements for the next six months. The maturity dates are compatible with foreseeable cash flow requirements. The deposits and investments can be easily and rapidly converted into cash without substantial loss of value."

Approved for April 22, 2014 Agenda:

*David W. Pedersen*

David W. Pedersen, General Manager

I HEREBY CERTIFY THAT THE FOREGOING IS TRUE AND CORRECT

TO THE BEST OF MY KNOWLEDGE

Leonard Polan, Treasurer

ITEM 4B



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

**Subject: Investment Review: First Quarter of Calendar Year 2014**

**SUMMARY:**

A list of investments as of March 31, 2014 is presented for Board review.

The total interest for the quarter was \$130,719.88. The average weighted portfolio duration, excluding LAIF, the reserve fund and the money market fund, is 1,049 days or about 2.87 years. The duration shortened slightly compared to last quarter's 1,077 days.

The investment portfolio includes Joint Powers Authority funds in the amount of \$6,539,642.66, of which \$4,850,605.35 belongs to Las Virgenes. Of the total investments, \$2.77 million is restricted by statute, \$4.95 million is prepaid development fees, \$2.76 million is restricted by bond covenants, and \$55.62 million is set aside for Board approved reserves, including reserves for future maintenance and replacement of major capital assets.

**DISCUSSION:**

During this quarter, \$8.2 million of investments were called or matured, and \$5 million of investments were purchased. Investment in LAIF increased by \$0.8 million during the quarter. The short-term interest rates remained unchanged for the quarter and remained at historic lows. The quarterly apportionment rate for LAIF was 0.24% in March, which was lower from the previous quarter of 0.26% in December. The average annual yield on the District's investment portfolio for the period ending March 31, 2014 was 0.96%, compared to 0.94% for the period ending December 31, 2013.

Investments as of March 31, 2014 included the following:

LAIF - General	\$26,344,912
Government Agency Notes:	
Maturing in 2014	2,000,000
Maturing in 2015	2,000,000
Maturing in 2016 or later	31,993,540
Municipal Bonds	10,872,110
U.S. Treasury Money Market Fund	19,991
	-----
<b>Total</b>	<b>\$73,230,553</b>

These investments generated interest of \$130,719.88 for the quarter. Investment portfolio ratios were as follows:

ITEM 4C

Investments in LAIF	35.98%
Callable Federal Agency Notes	38.22%
Federal Agency Bullet/Coupon Notes	10.92%
Municipal Bonds	14.85%
U.S. Treasury Money Market Fund	0.03%
	-----
<b>Total</b>	<b>100.00%</b>

Prepared By: Joseph Lillio, Finance Manager

**ATTACHMENTS:**

Exhibit A - Investments

Exhibit B - Cash Analysis

**LAS VIRGENES MUNICIPAL WATER DISTRICT  
INVESTMENTS - 1ST QUARTER ENDED MARCH 31, 2014**

Investment Type	Interest Rate	No. of Days	Purchase Date	Maturity Date	Book Value	Par Value	Quarterly Interest		Quarterly Total Interest
							Interest Earned	Interest Accrued	
FFCB - Bullet	1.050%	1461	03/28/12	03/28/16	1,000,000.00	1,000,000.00		2,625.00	2,625.00
FFCB - Bullet	0.600%	1461	12/27/12	12/27/16	1,000,000.00	1,000,000.00		1,500.00	1,500.00
FFCB - Callable	0.980%	1826	09/18/12	09/18/17	1,000,000.00	1,000,000.00		2,450.01	2,450.01
FFCB - Callable	0.820%	1719	10/26/12	07/11/17	998,000.00	1,000,000.00		2,049.99	2,049.99
FFCB - Callable	0.600%	1464	12/13/12	12/16/16	1,000,000.00	1,000,000.00		1,500.00	1,500.00
FFCB - Callable	1.870%	1826	12/26/13	12/26/18	1,000,000.00	1,000,000.00		4,674.99	4,674.99
FHLB - Bullet	1.150%	1338	11/24/10	07/24/14	1,000,000.00	1,000,000.00		2,874.99	2,874.99
FHLB - Bullet	2.000%	1476	03/15/11	03/30/15	1,000,000.00	1,000,000.00		5,000.01	5,000.01
FHLB - Bullet	1.270%	1798	03/30/12	03/02/17	1,000,000.00	1,000,000.00		3,174.99	3,174.99
FHLB - Callable	0.500%	1278	12/28/12	06/28/16	1,000,000.00	1,000,000.00		1,250.01	1,250.01
FHLB - Callable	0.5% & Up	1826	02/07/13	02/07/18	1,000,000.00	1,000,000.00		1,583.30	1,583.30
FHLB - Callable	0.5% & Up	1826	02/28/13	02/28/18	1,000,000.00	1,000,000.00	819.42		819.42
FHLB - Callable	1.250%	1826	06/26/13	06/26/18	1,000,000.00	1,000,000.00		3,125.01	3,125.01
FHLB - Callable	0.5% & Up	1826	01/30/14	01/30/19	1,000,000.00	1,000,000.00		847.23	847.23
FHLMC - Bullet	0.625%	1467	10/26/12	11/01/16	997,040.00	1,000,000.00		1,562.49	1,562.49
FHLMC - Callable	1.250%	1827	02/17/12	02/17/17	1,000,000.00	1,000,000.00		3,125.01	3,125.01
FHLMC - Callable	1.150%	1827	02/28/12	02/28/17	1,000,000.00	1,000,000.00	1,850.65		1,850.65
FHLMC - Callable	1.400%	1826	03/28/12	03/28/17	1,000,000.00	1,000,000.00	3,349.39		3,349.39
FHLMC - Callable	0.500%	365	01/15/13	01/15/14	1,000,000.00	1,000,000.00	188.14		188.14
FHLMC - Callable	1.000%	1826	03/26/13	03/26/18	1,000,000.00	1,000,000.00		2,499.99	2,499.99
FHLMC - Callable	1.020%	1826	04/30/13	04/30/18	999,500.00	1,000,000.00		2,550.00	2,550.00
FHLMC - Callable	0.950%	1826	05/22/13	05/22/18	1,000,000.00	1,000,000.00		2,375.01	2,375.01
FHLMC - Callable	0.750%	1645	05/28/13	11/28/17	1,000,000.00	1,000,000.00		1,875.00	1,875.00
FHLMC - Callable	0.25% & Up	1278	12/30/13	06/30/17	1,000,000.00	1,000,000.00		624.99	624.99
FHLMC - Callable	0.625% & Up	1461	02/05/14	02/05/18	1,000,000.00	1,000,000.00		972.22	972.22
FHLMC - Callable	1.300%	1461	02/27/14	02/27/18	1,000,000.00	1,000,000.00		1,155.55	1,155.55
FHLMC - Callable	1.800%	1826	02/27/14	02/27/19	1,000,000.00	1,000,000.00		1,600.00	1,600.00
FHLMC - Callable	1.800%	1826	03/12/14	03/12/19	1,000,000.00	1,000,000.00		950.00	950.00
FNMA - Bullet	0.670%	1248	03/26/12	08/26/15	1,000,000.00	1,000,000.00		1,674.99	1,674.99
FNMA - Callable	1.500%	1461	09/08/10	09/08/14	1,000,000.00	1,000,000.00		3,750.00	3,750.00
FNMA - Callable	1.250%	1827	02/14/12	02/14/17	1,000,000.00	1,000,000.00	1,508.55		1,508.55

**AFM**

**LAS VIRGENES MUNICIPAL WATER DISTRICT  
INVESTMENTS - 1ST QUARTER ENDED MARCH 31, 2014**

Investment Type	Interest Rate	No. of Days	Purchase Date	Maturity Date	Book Value	Par Value	Quarterly Interest		Quarterly Total Interest
							Earned	Accrued	
FNMA - Callable	1.250%	1827	02/14/12	02/14/17	1,000,000.00	1,000,000.00	1,508.55		1,508.55
FNMA - Callable	1.300%	1827	02/21/12	02/21/17	1,000,000.00	1,000,000.00	1,830.53		1,830.53
FNMA - Callable	0.900%	1826	10/25/12	10/25/17	999,000.00	1,000,000.00		2,250.00	2,250.00
FNMA - Callable	0.75% & Up	1826	11/21/12	11/21/17	1,000,000.00	1,000,000.00		1,875.00	1,875.00
FNMA - Callable	0.625%	1461	11/28/12	11/28/16	2,000,000.00	2,000,000.00		3,125.01	3,125.01
FNMA - Callable	0.5% & Up	1817	12/07/12	11/28/17	1,000,000.00	1,000,000.00		1,250.01	1,250.01
FNMA - Callable	0.600%	1277	02/25/13	08/25/16	1,000,000.00	1,000,000.00		1,500.00	1,500.00
FNMA - Callable	0.8% & Up	1826	03/27/13	03/27/18	1,000,000.00	1,000,000.00		2,000.01	2,000.01
FNMA - Callable	0.75% & Up	1826	03/28/13	03/28/18	1,000,000.00	1,000,000.00		2,124.99	2,124.99
FNMA - Callable	0.75% & Up	1826	05/29/13	05/29/18	1,000,000.00	1,000,000.00		1,875.00	1,875.00
FNMA - Callable	1%-2%	1826	12/05/13	12/05/18	1,000,000.00	1,000,000.00		2,499.99	2,499.99
NYCGEN-Muni Bond	2.662%	1427	06/04/10	05/01/14	1,000,000.00	1,000,000.00		6,654.99	6,654.99
KYSHSG-Muni Bond	0.750%	621	06/27/12	03/10/14	190,000.00	190,000.00	273.22		273.22
KYSHSG-Muni Bond	0.750%	734	06/27/12	07/01/14	810,000.00	810,000.00		1,366.88	1,366.88
Montgomery-Muni Bon	0.740%	853	11/29/12	04/01/15	1,004,400.00	1,000,000.00		1,849.99	1,849.99
PORTRN-Muni Bond	0.600%	1077	12/19/12	12/01/15	1,000,580.00	1,000,000.00		1,500.00	1,500.00
AZSHGR-Muni Bond	0.850%	865	01/17/13	06/01/15	2,205,000.00	2,205,000.00		4,685.61	4,685.61
LVNSCD-Muni Bond	1.585%	1715	02/20/13	11/01/17	1,022,130.00	1,000,000.00		3,962.49	3,962.49
NJSMFH-Muni Bond	1.000%	585	03/26/13	11/01/14	1,245,000.00	1,245,000.00		3,112.50	3,112.50
PTS-Muni Bond	0.690%	1316	03/26/13	11/01/16	1,000,000.00	1,000,000.00		1,725.00	1,725.00
ARLDEV-Muni Bond	0.832%	1291	06/03/13	12/15/16	1,585,000.00	1,585,000.00		3,296.79	3,296.79
Reserve Fund-LAIF & Other					2,763,291.52		1,604.32		1,604.32
LAIF - All Other (3-month Average Balances)					23,569,287.08		13,721.71		13,721.71
HighMark U.S. Treasury Money Market Fund (3-month Average Balances)					312,107.54		3.52		3.52
Bank of New York Mellon/Wells Fargo Sweep Accounts (3-month Average Bal.)					728,693.90		36.84		36.84
<b>Total</b>							<b>26,694.84</b>	<b>104,025.04</b>	<b>130,719.88</b>

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LVMWD CASH ANALYSIS - MARCH 31, 2014

	Financial Policies	Restricted by Statute	Restricted - Accrued Liability	Restricted - Funds Held in Trust for Others	Restricted by Bond Covenants	Total Restricted and Unrestricted
Operating Funds	24,091,461					24,091,461
Potable Water Construction		1,972,374				1,972,374
Recycled Water Construction		759,997				759,997
Sanitation Construction		35,767				35,767
Potable Water/District Wide Assets Replacement	13,080,237					13,080,237
Recycled Water Replacement	3,794,863					3,794,863
Sanitation Replacement	3,385,264					3,385,264
Emergency/Insurance Reserve	3,264,860					3,264,860
Vested Sick Leave			1,275,381			1,275,381
Joint Powers Authority - Operations & Construction				6,719,383		6,719,383
Prepaid Capacity Fees and Other Deposits				4,954,733		4,954,733
Refunding Revenue Bonds - Reserve Fund					2,763,292	2,763,292
Refunding Revenue Bonds - Revenue/Interest Fund					0	0
Rate Stabilization Reserve	8,000,000					8,000,000
<b>Total</b>	<b>55,616,685</b>	<b>2,768,138</b>	<b>1,275,381</b>	<b>11,674,116</b>	<b>2,763,292</b>	<b>74,097,612</b>

**Financial Policy** - Cash required to comply with District's adopted Financial Policy. Operating funds must have cash equal to three months of expense plus debt service for one year. Emergency/Insurance Reserve was approved in 2005 and is set at 2% of fixed assets net of land. Rate Stabilization Reserve shields ratepayers from dramatic increases due to climatic events.

**Legal Restrictions** - AB 1600 requires that development impact fees can only be used for capital projects related to expansion, not replacement or enhancement. The law also restricts interest earned on these funds to the same purpose.

**Accrued Liability** - Contractual obligation with long-term employees.

**Trust Funds** - Money held by the District that we do not own and may have to return, such as deposits from developers and customers.

**Bond Covenants** - Money relating to bond financing that is restricted in use and required by promises made in bond documents.

**Operating funds includes three-month operating expenses.**

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## LAS VIRGENES MUNICIPAL WATER DISTRICT

4232 Las Virgenes Road, Calabasas CA 91302

## MINUTES REGULAR MEETING

5:00 PM

February 25, 2014

## PLEDGE OF ALLEGIANCE

The Pledge of Allegiance to the Flag was led by President Caspary.

1. **CALL TO ORDER AND ROLL CALL****A** Call to order and roll call

The meeting was called to order at 5:00 p.m. by President Caspary in the District Offices. Secretary Steinhardt called the roll. Those answering present were Directors Caspary, Steinhardt, Polan and Renger. Director Peterson was absent.

2. **APPROVAL OF AGENDA****A** Approval of Agenda

General Manager Pedersen had no changes to the agenda but noted that on the Consent Calendar, item 5B, Minutes, there is a typographical error in the attachment listed as item 8B, which should read 5-0 for the vote instead of 0-0.

Director Steinhardt stated that the minutes, item 8B appear not to be consistent with what is on the tape and asked that they be rewritten. President Caspary commented that this set of minutes was not yet approved.

Director Poland moved to remove item 10B relative to the Resolution for Voluntary Reduction of Water Usage. He Commented that he would like to see more aggressive measure taken on the issue. A motion was made by Mr. Polan; However, President Caspary proposed to keep the item on in the an acceptable amendment is made by the Board on this item. The consensus was to retain the item on for discussion.

*On a motion by Director Charles Caspary, seconded by Director Lee Renger, the Board of Directors voted 4-0-1 to approve the agenda as published. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt*

*ABSENT: Director(s) Peterson*

3. **PUBLIC COMMENTS**

No public speaker cards were received.

4. **ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS****A** Legislative and Regulatory Update

General Manager Pedersen presented a brief overview on the Legislative and Regulatory Updates; he commented that there are two things going on that are worth noting 1) Region 4 of the Regional Water Quality Control Board is developing the Potable Water Discharge Permit which is an effort that the Regional Board pursued previously but was ultimately opposed by a majority of the water community; it was never approved but ended in a lack of a quorum and

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the item was never voted on; they are bringing the item back; the concern is that the release of potable water is at low risk to receiving waters so the water community feels there is not a need for the permit; also the existing regulatory structure has a system in place to address the issue; it would create additional reporting requirements; that there is a coalition of water agency representatives led by Pasadena Water and these are signing on to a joint letter; our staff has looked at it and we would propose to sign on to that letter as well; 2) that the other issue is being taken up by the State Water Resource Control Board; because of the drought, they are looking at a variety of measures to deal with water Shortages; in some cases, there will be curtailments of water in areas where water rights cannot be fully honored; the State Board is looking at a minimal amount of water that is needed for health and safety purposes; arrived at 50 gallons per capita per day; it is still undergoing Legal Counsel review; the State has committed to continue providing health and safety water to individuals even if there technically there is no water available.

Director Polan asked what was driving the first issue of the Potable Water Discharge Permit with Mr. Pedersen responding that there is a belief by the Regional Board and Clean Water advocates that potable water discharges could cause a threat to receiving water; the quality of the water is very good; the concern is that the regulations are different for drinking water and receiving water; that there are some contaminants that are acceptable in drinking water that may not be accepted in receiving water; and that the other concern is that the discharge of potable water could pick up pollutants along the way.

Public Affairs and Communications Manager, Jeff Reinhardt presented the Legislative update; he stated that there are 20 new bills pertaining to water; the important ones are the drought relief bills; AB 79/80, SB 103 & 104; \$687 million to go towards infrastructure and investments to improve water quality; \$472 million going towards Water Management Plan Grants; \$77 million is going to the Department of Water Resources, Drought Response Authority; he added that the first hearing on the bills would be tomorrow; there are 8 different bond bills; the most recent one is AB 2686, which is supposedly a bi-partisan bond bill; he couldn't get an answer before the meeting to verify if it was a bi-partisan bill, but this one was for \$9.25 billion; on the Federal side is the Wifia bill.

Director Caspary posed a question relative to a report he heard that there was a possibility that the Governor was going to look at existing bond funds that may be available to convert to drought response rather than for the purpose originally intended. There were several comments made by Mr. Reinhardt about Prop 84 funds there was about \$18 million for the Santa Monica Bay Watershed that does that mean the remaining funds that were allocated to that category are going to be reassigned; that the bond was originally at about 8.3 billion; \$400 billion is being reprogrammed; these were bonds that were committed but not used or uncommitted for future projects.

Director Renger asked if they can sell the bonds as they need the money or do they sell them all at once with Director Reinhardt stating that they sell them sequentially; a certain amount of that money is supposed to be available for ordinary citizens; they sell them gradually and normally about two large bonds a year; the part you never hear about is public bonds being retired; they synchronize the retirement of the old bonds accordingly.

## 5. CONSENT CALENDAR

A List of Demands: February, 25 2014. Approve

B Minutes: Regular Meeting of January 14, 2014. Approve

Director Steinhardt spoke that item 8E was changed to another number as that item was moved up in the agenda; it should not be listed as 8E; it should be listed as a higher number that it was moved up to. General Manager Pedersen reported that it is reflected in approval of the agenda on page 33 of the agenda package to move item 8E to item 4A and renumber; that change was captured, but because of the way the program produces the minutes, it still reflects as 8E; it is reflected in the agenda that the order was changed.

Director Steinhardt made several comments relative to the manner in which the minutes are prepared stating that the minutes do not reflect the meeting after looking at the video; that they do not reflect the comments made by the public speakers; and that he would like to have them looked at and revised accordingly.

Director Caspary commented that the minutes do reflect the comments made.

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General Manager Pederson asked the Board for more specificity as to what items need to be clarified with Mr. Steinhardt making reference for staff to go back to the video.

Director Caspary stated that the minutes are a summary transcription and that the votes taken is what is important; they are not reflective of every word that everyone said and staff has done an outstanding job as the minutes run to 18 pages. Mr. Steinhardt reiterated his objections to certain portions of the minutes particularly on item 8E and that therefore, he could not approve it.

*On a motion by Director Charles Caspary, seconded by Director Lee Renger, the Board of Directors voted 2-2-1 to approve the consent calendar as published. Motion died due to lack of quorum with minutes to be brought back.*

*AYES: Directors(s) Caspary, Renger*

*NOES: Director(s) Polan, Steinhardt*

*ABSENT: Directors(s) Peterson*

**C Investment Report for the Month of January 2014. Approve**

*On a motion by Director Charles Caspary, seconded by Director Leonard Polan, the Board of Directors voted 4-0 -1 to approve items 5A and 5C as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt*

*ABSENT: Director(s) Peterson*

Director Caspary asked staff for advice in dealing with this sort of issues with General Manager Pedersen adding that if there is a perception that the minutes are not accurate, staff needs clear understanding as to what areas are not accurate on the minutes so that attention can then be paid to address the Board's concerns.

A lengthy discussion ensued relative to what to do with the tape, the manner in which the minutes are to be prepared; the items to be included etc.

As part of the discussion on the minutes, there were some concerns relative to the request for this item to come back with several members asking questions relative to the legality of having the item come back for Board approval at a subsequent meeting. District Counsel Lemieux indicated that since the item did not pass, the President can procedurally ask staff to have the item come back for approval.

**6. TREASURER**

Director Polan found everything to be in order. A progress payment was just released for the Mureau Road transmission main in the amount of \$1,197,733.54.

**7. BOARD OF DIRECTORS**

**A Local Agency Formation Commission: Election Results and Candidate Nominations**

Consider candidates for nomination as Local Agency Formation Commission Special District and Special District Alternate representatives; select the candidates for nomination, if any; and authorize the General Manager to submit the nomination form by April 7, 2014.

General Manager reported that this item pertains to the Local Agency Formation Commission(LAFCO); the Board selected a candidate for a Special District Alternate; the election has been completed; the candidate who received the most votes was Joseph Rizika, a Director with Three Valleys Municipal Water District; the candidate who the Board voted for was Melvin Matthews of Foothill who received the 2nd most votes; Joseph Rizika is the Alternate; the term

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ends in May of 2014 along with the incumbent who serves as the Special District Representative himself Jerry Gladback with Castaic Lake Water Agency; both terms end in May of 2014; LAFCO is requesting nominations for Special District representative and alternate; this is an opportunity for the Board if it wishes to consider candidates for nomination; if they have candidates to be nominated the General Manager will submit the nomination form.

Director Caspary confirmed that the nominations are due by April 7th with General Manager Pedersen stating that is indeed correct and that the nominations that the Board would be considering would be nominations of the Board. Director Steinhardt asked if Jerry Gladback is going to run with Mr. Pedersen stating that he was not sure but that he would gladly check on it and report back.

Director Steinhardt moved to table the item until they find out if Jerry Gladback is going to run with Director Caspary concurring with bringing the item back.

#### **B Solar Generation Project: Application of Energy Savings**

Consider three options for the application of energy cost-savings realized as a result of the operation of the Solar Generation Project and provide staff with feedback for selection of a preferred methodology.

General Manager Pedersen reported that this item is a JPA item to get feedback on how to apply the savings; that it has been online since January 31st; TSD has an agreement with Calleguas; staff was asked to come up with options; there are three options: option one is for the savings to flow with the electrons so the savings would be applied at the recycled water pump station; option two involves applying the savings from the solar project to the sanitation and the wholesale water enterprises in proportion to the amount of electricity used; option three is to apply all of the solar savings to the JPA's sanitation enterprise; TSD is in favor of option three; the legalities of the options were presented which were also included in the agenda package.

Susan Mulligan, Calleguas General Manager spoke on this item and stated that Calleguas is looking for any fair and legal option; if there are savings for Calleguas, she will recommend the money is dedicated. There was a brief discussion on this item and questions were answered.

*On a motion by Director Barry Steinhardt, seconded by Director Lee Renger, the Board of Directors voted 4-0 -1 to approved to table the item. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt*

*ABSENT: Director(s) Peterson*

### **8. FACILITIES AND OPERATIONS**

#### **A Calabasas Tank Rehabilitation Project: Approval of Pre-Qualified General Contractors**

Approve Spiess Construction Company; Blastco, Inc.; Cor-Ray Painting Company; and Paso Robles Tank as pre-qualified general contractors for the Calabasas Tank Rehabilitation Project and authorize distribution of the bid documents to the pre-qualified contractors.

Approve Spiess Construction Company; Blastco, Inc.; Cor-Ray Painting Company; and Paso Robles Tank as pre-qualified general contractors for the Calabasas Tank Rehabilitation Project and authorize distribution of the bid documents to the pre-qualified contractors.

Administering Agent/General Manager Pedersen reported that with the help of HDR, a prequalification process for the project was completed; detail of the project was presented; four of the seven contractors are recommended for prequalification; those contractors are Spiess Construction Company, Blastco, Inc., Cor-Ray Painting Company and Paso Robles Tank Company; the recommendation is to designate them as prequalified contractors for the project and authorize the distribution of the bid documents to those contractors; General Contractors for the Calabasas Tank Rehabilitation Project.

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*On a motion by Director Lee Renger, seconded by Director Charles Caspary, the Board of Directors voted 4-0 -1 to approve the four contractors as prequalified for the project and authorize distribution of bid documents to the contractors. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt  
ABSENT: Director(s) Peterson*

**B Primary Tank Rehabilitation Project: Call for Bids**

Authorize a Call for Bids in accordance with the project specifications and proposed bid schedule for the Primary Tank Rehabilitation Project.

Director Caspary asked if there were any questions for staff on this item; there were none.

*On a motion by Director Charles Caspary, seconded by Director Leonard Polan, the Board of Directors voted 4-0 -1 to approve the project specs and bid schedule for the Primary Tank Rehabilitation. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt  
ABSENT: Director(s) Peterson*

**C 1235-ft. Backbone Improvements Program: Westlake Filtration Plant Expansion and Westlake Pump Station Upgrade.**

Approve the Request for Proposals for the preparation of the final design report, plans, specifications and estimates for the Westlake Filtration Plant Expansion and Westlake Pump Station Upgrade Project.

Administering Agent/General Manager Pedersen reported on the Backbone Improvement Program and subsequently turned it over to Director of Facilities & Operations, Mr. David Lippman.

Mr. Lippman gave a presentation on Westlake Filtration Plant and Westlake Filtration Plant modernization; both projects are part of the backbone improvement program; the expansion will include two DE Filters and some new pumps; the pump station modernization is electrifying the pump station; 5 of the 6 pumps are driven by natural gas, internal combustion engines and some are as old as the early 1980's; the plan is to electrify the station; right now propane is used so a diesel generator would be installed onsite; the program will meet the current and future needs necessary to reduce peaking in the summertime 9000 gpm; a small connection in Chatsworth with DWP that is about 1300 gpm that provides service to the Twin Lakes area; by expanding we can increase capacity by 2800 gallons; 2007 demands were a historic high; Metropolitan has seasonal storage program and with expansion, greater quantities will be used out of the lake so we need capabilities to put the water back in; the plan is to continue modernizing the pump station if allowed to move forward with the proposal.

A discussion took place on this item and questions were answered on the item by staff.

Director Steinhardt made a motion and wants to include a decrease in time for water into the lake. Director Polan modified the motion to get RFP bids from companies that give estimates with Mr. Lippman adding that the larger companies have qualified estimators and that we can come up with language where they have to demonstrate their skill in estimating.

Director Caspary asked staff to bring an interim report back to the Board.

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Receive the draft Fiscal Year 2014-15 through 2017-18 Infrastructure Investment Plan and provide staff with feedback for incorporation prior to adoption.

Director of Facilities & Operations, David Lippman gave a presentation on the Draft IIP 2014/15-2017/18; he commended Administrative Services Coordinator, Doug Anders on his hard work; stated that the Master Plans are in draft form and will be presented to the JPA on Monday night; that plans are developed on Kennedy Jenks 2013 report; the IIP has priorities, central projects, desirable projects, desirable and deferrable projects; total for FY15 is \$21 million; AMR/AMI program, annual program to operate valves and replace inoperable ones, relocate pipeline at Lost Hills overpass, construct 5000 feet at Agoura Road and administrative projects.

Mr. Lippman added that the shovel ready projects are the ones that can be completed in one to three years. Director Polan commented that several items are ongoing already with both Mr. Lippman and General Manager Pedersen providing answers to the Board's questions on the subject.

Director Caspary asked if the 1994 Loader at Rancho is going to be replaced with a like tractor and wanted to know if a more fuel efficient one could be purchased. Mr. Lippman indicated that once it is in the cure building, it isn't moved much. Brett Dingman commented that the agitators are used to move compost and the loader will still be used. Material is made of Gore which prevents odors from escaping; still operating but not agitating to move it.

There were several questions and comments by Directors posed to staff relative to whether or not the air system is for the HQ building and for operations; why we are not using the water in Reservoir 2; and that the Westlake Filter Plant expansion was \$6 million, but it says \$9 million with staff providing adequate responses to these comments/questions.

Director Steinhardt made a motion to bring the item back as a workshop. General Manager Pedersen proposed to add the item to the normal budget workshop; all were in agreement.

## 9. FINANCE AND ADMINISTRATION

### A Ford Meter Box Parts and Fittings: Call for Bids

Authorize a Call for Bids in accordance with the proposed bid timeline schedule for the annual supply and delivery of Ford Meter Box parts and fittings.

There were no questions for staff on this item.

*On a motion by Director Charles Caspary, seconded by Director Leonard Polan, the Board of Directors voted 4-0 -1 to approve as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt*

*ABSENT: Director(s) Peterson*

## 10. RESOURCE CONSERVATION AND PUBLIC OUTREACH

### A 2014 Drought Talking Points: Review and Approval Review and approve the draft talking points on the 2014 Drought.

General Manager Pedersen gave a brief overview on the talking points in regards to the drought and turned it over to Director of Resource conservation and Public Outreach, Mr. Carlos Reyes.

Mr. Reyes stated that the drought talking points will help customers with rebates, mow no mow and run-off in the street; they will remind customers of the drought of 2009 and how well they did conserving. Director Polan stated that

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he would like to see no irrigating from 10:00 a.m. to 5:00 p.m.; he would like to see a stronger program and asked how it fits in with the goals.

Director Renger made a motion to approve the item as presented.

Director Steinhardt commented that he feels 20% is not aggressive enough; we should do a better job and expect more than the Governor is requiring with General Manager Pedersen stating that 20% is from the Governors Proclamation and that on average, 20% is a good number as we haven't fully rebounded.

Director Caspary commented that he likes a consistent message of 20% by 2020.

Jeff Reinhardt stated that the PIO event integration focuses on 20% save our water campaign; integrated messaging is being brought back. Director Renger would like to add the phrase "by at least 20%" and motioned to approve with the additional bullet point. Director Steinhardt made a motion to rally to change.

*On a motion by Director Lee Renger, seconded by Director Leonard Polan, the Board of Directors voted 4-0 -1 to as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt*

*ABSENT: Director(s) Peterson*

#### **B Resolution for Voluntary Reduction of Water Usage by 20 Percent**

Adopt Resolution No. 02-25-2452 calling upon residents, businesses and government entities to voluntarily reduce their water usage by 20 percent.

General Manager Pedersen reported that there is a Resolution to adopt calling for residents and businesses and government entities to reduce their water usage by 20%; we want to have escalating actions that are deliberate and thought out.

Director Steinhardt made a motion to approve it with one change that the conservation measures are in effect.

Legal Counsel Lemieux commented that the Administrative Code has a whole section of consequences.

*On a motion by Director Barry Steinhardt, seconded by Director Charles Caspary, the Board of Directors voted 4-0 -1 to approve. Motion carried as follows:*

*AYES: Director(s) Caspary, Polan, Renger, Steinhardt*

*ABSENT: Director(s) Peterson*

#### **11. INFORMATION ITEMS**

##### **A Water Research Foundation: 20-Year Subscriber Recognition**

There were no questions on this item.

#### **12. NON-ACTION ITEMS**

##### **A Organization Reports**

(1) MWD

a. Representative Report/Agenda(s)

(2) Other

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Director Caspary reported that San Diego prevailed in the suit. Legal Counsel Lemieux commented that he has a 65 page document on the case.

#### B Director's Reports on Outside Meetings

Director Renger gave a report on the AWWA breakfast he attended.

Director Caspary reported on his attendance at the Bay Restoration Meeting.

#### C General Manager Reports

##### (1) General Business

##### (2) Follow-Up Items

General Manager Pedersen reported that Hidden Valley is hauling water; they are working with Calleguas to truck the water to fill the station in their area and they will track the usage; they will use reclaimed water for direct water needs. Director Caspary asked if we are the wholesaler

The community calendar was reviewed: March 5th the Legislative Symposium; March 7<sup>th</sup> ACWA Water Bond; March 11th Budget Based Workshop; April 3rd Water Summit.

Fox News Coverage was reported.

Discussion took place on the Water Summit. Reinhardt stated that it could be a high-level summit with Mayors and Counsel Members; Richard Bloom could be invited. (Pedersen: scheduling was made because Senator Fran Pavley was available that day; we may not have the opportunity to get Pavley in the future.

Director Steinhardt moved to direct staff to reschedule the Water Summit to a date when community can be available and bring a different format that has not been done before. Director Polan asked if Pavley was committed for that date with Mr. Pederson indicating that he will have the item brought back to the Board.

The employees were recognized for organizing the Fox News segment.

#### D Director's Comments

Director Polan would like to present to the Rotary and asked for a slide presentation on PowerPoint calendar to show everyone; he asked what the status is of the rebranding and noted that the logos need to be bigger across the whole truck. General Manager Pedersen commented that it is being done through the National Water Research Institute; it won't be done overnight; that the concept information will be brought back to the Board. Director Polan suggested a contest be held to re-name the District.

### **13. FUTURE AGENDA ITEMS**

Director Steinhardt made a motion to change the format and minutes to talking points and to have the video kept for 50 years; Director Polan seconded the motion; there was no roll call vote taken.

### **14. PUBLIC COMMENTS**

No public speaker cards received.

The Board recessed to a break at 8:20 p.m.; and reconvened at 8:23 p.m.

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**15. CLOSED SESSION**

**A** Conference with District Counsel – Existing Litigation (Government Code Section 54956.9(a)):

1. Las Virgenes - Triunfo Joint Powers Authority v. United States Environmental Protection Agency
2. Heal the Bay, Inc. v. Lisa P. Jackson
3. Marzan v. Las Virgenes Municipal Water District
4. Datamatic, Ltd. Bankruptcy Case

**B** Conference with Labor Negotiator (Government Code Section 54957.6(a)):

Agency designated representative: David W. Pedersen, General Manager

Unrepresented employees: Director of Finance and Administration, Director of Facilities and Operations, Director of Resource Conservation and Public Outreach, and Human Resources Manager.

**16. OPEN SESSION AND ADJOURNMENT**

Closed session ended at 8:42 p.m. Seeing no other business to come before the Board, the meeting was adjourned at 8:43 p.m.

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CHARLES CASPARY, President  
Board of Directors  
Las Virgenes Municipal Water District

ATTEST:

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BARRY STEINHARDT, Secretary  
Board of Directors  
Las Virgenes Municipal Water District

(SEAL)



**LAS VIRGENES MUNICIPAL WATER DISTRICT  
4232 Las Virgenes Road, Calabasas CA 91302**

**MINUTES  
REGULAR MEETING**

5:00 PM

March 11, 2014

**PLEDGE OF ALLEGIANCE**

The Pledge of Allegiance to the Flag was led by Board President, Charles Caspary.

**1. CALL TO ORDER AND ROLL CALL**

A Call to order and roll call

The meeting was called to order at 5:02 p.m. by Board President Caspary in the District offices. Joanne Bodenhamer called the roll. Those answering present were Directors Charles Caspary, Glen Peterson, Barry Steinhardt, Leonard Polan and Lee Renger.

**2. APPROVAL OF AGENDA**

A Approval of agenda

There were no changes to the agenda. However, General Manager Pedersen suggested a change in the order of the agenda as there were people in the audience to speak on behalf of item 8A for the 5 MG Tank Project. Additionally, a consultant for item 11A was present to speak about the Potable Water Master Plan Update. At the time, Director Caspary only had one speaker card for item 10. The agenda was approved as presented.

*On a motion by Director Lee Renger, seconded by Director Leonard Polan, the Board of Directors voted 5-0 to approve the agenda as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, Polan, Renger, Steinhardt  
NOES: None*

**3. PUBLIC COMMENTS**

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No public speaker cards were received.

#### 4. CONSENT CALENDAR

- A List of Demands: March 11, 2014. Approve
- B Directors' Per Diem: February 2014. Ratify
- C Minutes: Regular Meeting of January 28, 2014. Approve

Director Polan noted that there was a typo on page 8 of 18 of the revised minutes. Director Caspary stated that it is on item 7B.

*On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 5-0 to approve the Consent Calendar as presented in the recommendations. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, Polan, Renger, Steinhardt  
NOES: None*

#### 5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS

##### A Legislative and Regulatory Updates

General Manager Pedersen spoke about the Governor signing two drought response bills SB103 and SB104; on March 1st they were signed by the Governor; the bills provide \$687 million dollars in drought relief funds for different programs; MWD has compiled a list of shovel ready projects; AB 1671, Frazier (Jim Frazier represents Dist. 11) proposed bill that would require the Legislature to approve the water conveyance improvements for the Bay-Delta, the District and water community oppose; support letter was recently signed for SWRCB policy to provide low-interest loans for recycled water projects; signed support letter for USEPA to continue funding for water research; Water Bond Proposals; 2 key bills viable within the water community.

#### 6. TREASURER

Treasurer Polan stated that he reviewed the check runs and found everything to be consistent and in order. He posed a question relative to how the District performs rodent control at the dam with staff providing a satisfactory response.

#### 7. BOARD OF DIRECTORS

##### A Board Meeting Minutes and Video Recording Retention

Determine the appropriate format and level-of-detail for Board meeting minutes; select a retention period for the Board meeting video recordings; and direct staff accordingly.

General Manager Pedersen reported that Director Steinhardt requested to bring this item back for discussion; a future agenda item with two things was requested for talking point minutes and considering the retention on the videos for a 50-year period.

As it relates to the minutes, in September 2012 the Board discussed how the minutes are to be prepared and decided that a summary transcription would suffice and that they be kept in perpetuity as the official record; on March 12, 2013, the District began video recording all meetings, which have been kept; there was no retention for these recordings at the time.

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District Counsel Mr. Lemieux articulated what the requirements were for both regular and special meetings noting that some basic elements need to be captured such as day, type of meeting, attendance, motions and seconds, actions taken and adjournment time.

Further, Mr. Lemieux stated that under the Public Records Act the video recordings retention period is one year; and that it used to be 6 months; that there is no legal requirement to transcribe anybody's verbatim comments.

General Manager Pedersen suggested that the two items be considered together; if summary style minutes are opted, the video could be saved in conjunction with it for reference at a future time. It wouldn't be problematic for the District if the Board chose to save the videos in perpetuity along with the summary minutes.

With respect to the video recordings, Director Renger stated that 50 years is too long; that 10 years is longer than he would like to see; he proposed to keep the videos for five years and summarize the talking points; Director Caspary asked if he wanted to use the same wording already adopted by the Board of "summary transcription" with Director Renger stating yes. (Following that discussion, Director Peterson seconded the motion).

Director Steinhardt made several comments relative to the minutes, among these, that the staff works hard to prepare the minutes; that is hard to transcribe them precisely even though they try; that he is often asked to sign minutes he feels are inaccurate and that this is why he has concerns in signing them. He further stated that the video recordings are 100% accurate and suggested that bullet points on the minutes may be appropriate with a notation to refer to the video, which will help to provide a greater level of transparency.

Director Polan seconded the motion and commented that he attended the Legislative Symposium in Sacramento and that key items discussed were on transparency and why we need to care; that they spoke about these very same issues; Director Steinhardt's motion is supported and he wants everything to be as transparent as possible.

There was a question posed by Director Peterson regarding procedure on making a motion; he commented that Mr. Steinhardt's motion to amend procedurally needs to be accepted by the original motion maker as well as the seconder; however, if a substitute motion is made that does not amend the original motion but replaces it. Mr. Steinhardt then replaced his motion with a substitute one.

There was a brief discussion about the cost of holding video recording; that if the minutes are a bullet point summary of the agenda items that people then can refer to video on line to supplement the information.

Director Caspary asked legal counsel as to which motion gets disposed of first, the original motion or the substitute one with Mr. Lemieux indicating that the substitute one gets dealt with first as a matter of procedure.

Director Peterson stated that he does not want to have the videos held more than five years and that to hold them for 50 years is too long.

Director Renger also commented that the 50 year retention is also too long.

Mr. Steinhardt made several comments including that for transparency purposes an accurate record needs to be retained; that a majority of the Board was in favor of more brief minutes and that such minutes have been diluted over time.

A substantive discussion ensued regarding the length of the minutes which are averaging 18 pages for one meeting; that summary transcriptions are reflective of the accurate record; and that he supports video recordings.

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*On a motion by Director Barry Steinhardt, seconded by Director Polan, the Board of Directors voted 2-3 on the substitute motion; a roll vote was taken and failed due to a lack of quorum. Motion carried as follows:*

*AYES: Director(s) Polan, Steinhardt  
NOES: Director(s) Caspary, Peterson, Renger*

Director Peterson commented that when events of the past get destroyed, it is the right of any Director to have retention of anything they think is of historical value.

*On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 3-2 to approve the original motion. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, Renger  
NOES: Director(s) Polan, Steinhardt*

#### **B Amended Minutes: Regular Meeting of January 14, 2014**

Approve the amended minutes for the regular Board meeting of January 14, 2014.

Director Steinhardt made several comments regarding what he believes are inaccuracies with the minutes and that the summary minutes do not properly reflect the record. Director Caspary noted that all Directors were given an equal opportunity to present corrections by the 3rd of March and that some members chose not to exercise that privilege.

*On a motion by Director Lee Renger, seconded by Director Glen Peterson, the Board of Directors voted 3-2 to approve as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, Renger  
NOES: Director(s) Polan, Steinhardt*

#### **C Agenda Preparation and Placement of Items on Future Agendas**

Receive and file the memorandum prepared by the District's Legal Counsel entitled Agenda Preparation and Placement of Items on Future Agendas.

Mr. Lemieux, District Counsel spoke relative to the preparation and placement of items on future agendas with General Manager Pedersen stating that he will bring a schedule to the Board for updates to the Las Virgenes Municipal Water District Administrative Code.

Director Steinhardt inquired as to whether or not the proposed changes would eliminate Directors putting things on the agendas with Mr. Pedersen indicating "no" and that there are inconsistencies in the Administrative Code.

*On a motion by Director Lee Renger, seconded by Director Glen Peterson, the Board of Directors voted 3-0 -2 to as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, and Renger  
ABSTAIN: Director(s) Polan, Steinhardt  
NOES:None*

#### **D. Service Recognition Policy: Consideration of Amendment**

Consider an amendment to the District's current Service Recognition Policy to clarify its applicability to Board Members.

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General Manager Pedersen spoke on the District's Service Recognition Policy and asked if the Board should be included in the Policy. It was noted that currently the Board receives a certificate of service recognition.

A brief discussion took place regarding the item.

On a motion by Director Barry Steinhardt, seconded by Director Polan, the Board of Directors voted 2-3 to move this item to another meeting. Motion died due to a lack of quorum. Motion carried as follows:

AYES: Director(s) Polan, Steinhardt  
NOES: Director(s) Caspary, Peterson, Renger

*On a motion by Director Lee Renger, seconded by Director Barry Steinhardt, the Board of Directors voted 5-0 for the Board of Directors to receive one-year and five-year service award pins. Motion carried as follows:*

AYES: Director(s) Caspary, Peterson, Polan, Renger, Steinhardt  
NOES: None

## 8. FACILITIES AND OPERATIONS

### A Backbone Improvements Program 5-Million-Gallon Tank: Memorandum of Understanding with City of Westlake Village

Approve and execute the Memorandum of Understanding with the City of Westlake Village, outlining mitigation measures for the construction of the 5-Million-Gallon Tank Project; and authorize the General Manager to implement additional mitigation measures that may be deemed necessary during the progress of construction.

General Manager Pedersen presented the staff report and stated that the Memorandum of Understanding (MOU) includes categories and has been prepared properly.

President Caspary asked the Board if there were any questions on the subject.

The Board asked what "properly operating mufflers" means with General Manager Pedersen providing an answer and making reference to the matrix presented.

There was a brief discussion where Board members' questions were adequately answered.

*On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 3-2 to approve as presented. Motion carried as follows:*

AYES: Director(s) Caspary, Renger, Peterson  
NOES: Director(s) Polan and Steinhardt

## 9. FINANCE AND ADMINISTRATION

### A Professional Independent Audit Services: Approval of Request for Proposals

Approve the Request for Proposals for professional independent audit services.

General Manager Pedersen formally introduced the new Director of Finance and Administration, Mr. Donald Patterson who joins LVMWD from the City of Santa Monica where he was the Assistant Director of Finance; Mr. Patterson commented on the item, stating that the item is to solicit services for

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independent audit services; the previous contract concluded with an audit of the fiscal year 2012/13; the RFP is a request for a 3-year contract with two 1-year options to extend.

*On a motion by Director Leonard Polan, seconded by Director Barry Steinhardt, the Board of Directors voted 5-0 to approve the Request for Proposal (RFP) as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, Polan, Renger, and Steinhardt  
NOES: None*

## **B Claim by Melody Woodman**

Deny the claim from Melody Woodman.

General Manager Pedersen gave an overview of the claim received from Melody Woodman stating that the claim is very vague; it alleges that there was a pinhole leak in copper piping and that it was possibly caused by corrosion due to additives in the water supply by the District; estimated damages are \$20,000; staff recommends to deny the claim; Legal Counsel has reviewed the claim and concurs.

Director Peterson commented that if the person lives in Calabasas, they are very unlikely to have received any water that has anything in it because water does not go all the way from Westlake to Calabasas; there are no additives in the water; this is a frivolous claim.

*On a motion by Director Glen Peterson, seconded by Director Lee Renger, the Board of Directors voted 5-0 to deny the claim as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, Polan, Renger, Steinhardt  
NOES: None*

## **C Proposed Revisions to Management Handbook Approve the proposed revisions to the Management Handbook**

General Manager Pedersen presented the changes to the Management Handbook and spoke about establishing benefits for non-represented employees commenting that the majority of the employees are represented by bargaining units, however, there are four non-represented employees/positions which include the three Directors and the Human Resources Manager; that the proposed changes reflect establishing new tiers for medical insurance coverage which would only apply to non-represented employees hired after January 1, 2014; that the change consists of two parts, their medical coverage would be covered at 98% of the lowest premium HMO family plan as opposed to what is currently provided which is the PPO family plan; retiree benefit will be 75% of the least expensive plan for the retiree only; the current benefit is 75% of the PPO plan plus one dependent; it does involve a cost savings to the District; the recommendation is to approve the changes to the handbook; included in the agenda package is a version with the red-line changes.

Director Steinhardt suggested that the lowest plan price be used, not the lowest HMO plan with Mr. Pedersen, General Manager stating that this will be amended.

Director Polan confirmed that the new handbook would not insure any dependents for retirees.

*On a motion by Director Glen Peterson, seconded by Director Len Polan, the Board of Directors voted 5-0 to as presented with the proposed amendments. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, Polan, Renger, Steinhardt  
NOES: None*

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## **D Reduction to CalPERS Employer Paid Member Contribution**

Pass, approve and adopt the proposed Resolution No. 03-11-2453, identifying the change in amount of Employer Paid Member Contributions (EPMC) for the District's unrepresented management employees; and approve the updated salary schedule reflecting the proposed salary range adjustments.

General Manager Pedersen presented an overview of the item stating that the action requires a Resolution which is included; Director positions will receive a 9% increase in the upper range of the salary levels which will allow for a 2% allowance for a performance based increase; the Human Resources Manager will receive a 1% increase; the Board memo was clarified with respect to the comparison made to the M/SPC Bargaining Unit, theirs was not off-set, one-for-one as it appeared to be indicated in the staff report.

Director Steinhardt stated that he had requested a survey on similar positions which he has not received; a lengthy discussion took place on the subject with Director Caspary adding that there was never a consensus of the Board to provide a salary survey.

*On a motion by Director Lee Renger, seconded by Director Glen Peterson, the Board of Directors voted 3-1-1 to as presented. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson, and Renger NOES: Director(s) Steinhardt  
ABSTAIN: Director(s) Polan*

## **10. RESOURCE CONSERVATION AND PUBLIC OUTREACH**

### **A Mow-No-Mow Turf Removal Program: Update and Eligibility of Synthetic Turf**

Approve the eligibility of synthetic turf for incentives under the District's Mow-No-Mow Turf Removal Program.

There was one public speaker card from Susan Hammond of Calabasas who spoke about water conservation inclusion of synthetic turf in Mow no Mow rebate program as another eligible product; she stated that the Spring Green Expo had three vendors with artificial turf; 22 gallons of water are conserved in a year installing turf in the normal home. Director Peterson asked if her turf is located in the sun and if it gets hot with Ms. Hammond answering affirmatively that it is in the sun, but not sure if it gets hot.

There were several comments made by Board members including that San Francisco has used artificial turf in dog parks and has had run- off; he is not in favor of the product as a District policy; that is very expensive and that Las Vegas has a policy that they cannot change landscaping back to grass once it is taken out; he requested an agenda item to review that policy.

Director Steinhardt moved to table the item.

General Manager Pedersen gave an overview of the item and introduced Dr. Randal Orton who presented on Mow-No-Mow; he reviewed the strategies for compliance and the historical conservation; the new program update; reclaimed water conversion and conservation incentives; new device incentives; public agency incentives; targeted fitness center incentives; turf removal incentives; will it save water challenges; what causes drought rebound; irrigation during rain prohibited; and program outlook.

The item was properly discussed and questions from the Board were satisfactorily answered.

Scott Harris spoke briefly about the item.

ITEM **AD**

Jeff Reinhardt spoke about the response from the customers.

*On a motion by Director Glen Peterson, seconded by Director Charles Caspary, the Board of Directors voted 2-1-2 to approve as presented. The motion failed due to a lack of quorum. Motion carried as follows:*

*AYES: Director(s) Caspary, Peterson  
NOES: Director(s) Polan  
ABSTAIN: Director(s) Renger, Steinhardt*

**B 2014 Water Summit: Proposed Timing and Preliminary Program**

Review the proposed timing and preliminary program for the 2014 Water Summit and provide feedback to staff on the proposal.

General Manager Pedersen presented the staff report and indicated that Senator Fran Paley was scheduled for April 3rd and that a Federal perspective would be provided by the U.S. Bureau of Reclamation; he asked for feedback for the proposed date; Directors Renger, Peterson and Caspary were available to be there on the 3rd; Director Steinhardt is not available on that date.

**11. INFORMATION ITEMS**

**A Potable Water System Master Plan Update: Preliminary Review**

Roger with Kennedy/Jenks Consultants gave an update on the Master Plan.

There was a brief discussion on this item and questions were answered.

**B Backbone Improvements Program 5-Million-Gallon Tank: Change Order No. 1**

There were no questions on the item.

**12. NON-ACTION ITEMS**

**A Organization Reports**

- (1) MWD
  - a. Representative Report/Agenda(s)

- (2) Other

Director Peterson reported on MWD's reports; they have two new Directors, Steve Blois and Yvonne Arceneaux; he also spoke about the Feinstein and Vallejo bills.

Director Steinhardt asked about a Director bringing up something about a standby charge. Director Peterson commented that \$5 million has been spent on conservation this year.

The item was discussed briefly.

**B Director's Reports on Outside Meetings**

Director Polan reported that he attended the Legislative Symposium and Senator Jean Fuller gave a great presentation on the water bond issue and transparencies.

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Director Steinhardt reported that during lunch at the Legislative Symposium, someone announced that the Delta is going away and there are a lot of people who believe that.

Director Peterson reported that Metropolitan is hosting a tour of their facilities.

**C General Manager Reports**

- (1) General Business
- (2) Follow-Up Items

General Manager Pedersen reported that the Form 700's needed to be turned in. The upcoming calendar items and follow-up items were reviewed.

**D Director's Comments**

Director Polan spoke about the controversy of Bay Delta Plan and passed an article around.

Director Renger attended the Westlake City Council Meeting and reported one of the Directors had informed others that the dynamite explosions would be quite larger than they were originally informed.

Director Peterson referred to an article in the Acorn about him replacing his lawn which he stated is a Bermuda grass lawn; Director Peterson allows Keystone Camp to be run on his property; he is a wine maker and is losing his grapes.

**13. FUTURE AGENDA ITEMS**

Director Polan made a motion to add a future agenda item to restrict the change of landscaping to grass and to check with Las Vegas on their policies. Director Renger seconded the motion.

**14. PUBLIC COMMENTS**

No public speaker cards were received. The Board recessed to a break at 8:26 p.m. and reconvened at 8:30 p.m.

**15. CLOSED SESSION**

Closed session started at 8:30 p.m.

**A Conference with District Counsel – Existing Litigation (Government Code Section 54956.9(a)):**

- 1. Las Virgenes-Triunfo Joint Powers Authority v. Unites States Environmental Protection Agency
- 2. Heal the Bay, Inc. v Lisa P. Jackson
- 3. San Diego County Water Authority v. Metropolitan Water District of Southern California, et al.
- 4. Pacific Bell Telephone Company v. Las Virgenes Municipal Water District, et al.

**B Conference with Labor Negotiator (Government Code Section 54957.6(a)):**

Agency designated representative: David W. Pedersen, General Manager

Unrepresented employees: Director of Finance and Administration, Director of Facilities and Operations, Director of Resource Conservation and Public Outreach, and Human Resources Manager.

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ITEM 4D

**16. OPEN SESSION AND ADJOURNMENT**

No actions were taken during closed session. Seeing no further business to come before the Board, the meeting was duly adjourned at 8:53 p.m.

ITEM **AD**

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CHARLES CASPARY, President  
Board of Directors  
Las Virgenes Municipal Water District

ATTEST:

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BARRY STEINHARDT, Secretary  
Board of Directors  
Las Virgenes Municipal Water District

(SEAL)



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

**Subject: ACWA General Session Membership Meeting: Designation of Voting Delegate**

**SUMMARY:**

On April 1, 2014, the District received notification of a General Session Membership Meeting planned during ACWA's 2014 Spring Conference on Wednesday, May 7, 2014 (copy attached). The purpose of the meeting will be to conduct a vote by the membership on proposed bylaw amendments recommended by the ACWA Board of Directors on March 28, 2014.

Staff recommends that the Board designate a voting delegate to attend the General Session Membership Meeting and cast the District's vote. Also, the Board may wish to provide the delegate with feedback, if any, on the proposed bylaw amendments.

**RECOMMENDATION(S):**

Designate a voting delegate for the ACWA General Session Membership Meeting on May 7, 2014, and provide the delegate with feedback on the proposed bylaw amendments recommended by the ACWA Board of Directors.

**FINANCIAL IMPACT:**

There is no financial impact associated with this item.

**DISCUSSION:**

Following is a summary of the two proposed bylaw amendments:

1. Elimination of the Personnel and Benefits Committee, a standing committee with representation on the ACWA Board of Directors, since the benefit program functions have been fully transitioned to the management of ACWA/JPIA.
2. Establishment of the Business Development Committee, a standing committee with representation on the ACWA Board of Directors, to develop and recommend programs and activities to be provided or administered that generate non-dues revenues and provide a service or benefit to members.

Prepared By: David W. Pedersen, General Manager

**ATTACHMENTS:**

General Session Membership Meeting Notification Packet



**Association of  
California Water Agencies**  
Since 1910  
Leadership • Advocacy • Information • Service

## MEMORANDUM

**TO:** ACWA Public Agency Members  
General Managers and Board Presidents

**CC:** ACWA Board of Directors

**FROM:** John A. Coleman, ACWA President  
Kathleen J. Tiegs, ACWA Vice President

**DATE:** April 1, 2014

**SUBJECT:** General Session Membership Meeting at ACWA 2014 Spring Conference – May 7, 2014

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There will be a General Session Membership Meeting of the ACWA membership at ACWA's 2014 Spring Conference in Monterey, California, on Wednesday, May 7. The purpose of the meeting is to conduct a vote by the membership on proposed amendments to the bylaws recommended by the ACWA Board of Directors at its meeting on March 28. The bylaw amendments represent the Board's actions to address needed changes related to standing committees in light of recent organizational changes. The proposed bylaw amendments are attached.

As reviewed and recommended by the ACWA Board of Directors and the Legal Affairs Committee, the changes in the draft amended bylaws include:

- Elimination of the Personnel and Benefits Committee, a standing committee with representation on the ACWA Board of Directors, since the benefit program functions reviewed by the committee have been fully transitioned to the management of ACWA-Joint Powers Insurance Authority (ACWA-JPIA) with the dissolution of ACWA-Health Benefits Authority (HBA) in July 2012.
- Establishment of the Business Development Committee, a standing committee with representation on the ACWA Board of Directors, to develop and recommend to the Board of Directors programs and activities to be provided or administered by the Association that generate non-dues revenues and provide a service or benefit to Association members.

The Board of Directors recommends adoption of these bylaw amendments through a vote of the membership. ACWA staff is available in advance of the meeting of the membership to answer any questions you may have. Daniel Hentschke, chair of the Legal Affairs Committee, will also provide a brief overview of these changes during the General Session Membership Meeting before the item is called for a vote.



ACWA Public Agency Members  
General Managers and Board Presidents  
General Session Membership Meeting at ACWA 2014 Spring Conference  
April 1, 2014 – Page 2

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## MEMBERSHIP VOTING PROCESS

ACWA will issue each member agency **present** one proxy card for voting purposes based on the designated voting representative identified by the member agency. The designated voting representative will be required to register and sign as the proxy holder to receive the proxy card. Proxy cards will **only** be available for pick-up on **Wednesday, May 7, between 9:00 a.m. and 12:30 p.m.** at the **General Session Proxy Desk** in the **De Anza Foyer** area of the **Portola Plaza Hotel**, outside of the **De Anza Ballroom** where the luncheon and General Session Membership Meeting will be held.

To expedite the sign-in process at the **General Session Proxy Desk**, please indicate your voting designee on the enclosed proxy form and return it by email ([donnap@acwa.com](mailto:donnap@acwa.com)) or fax (**916-554-2350**) at your earliest convenience. If there is a last minute change of delegate, please let us know before the meeting date by contacting ACWA's Executive Assistant/Clerk of the Board, Donna Pangborn, at 916-441-4545 or [donnap@acwa.com](mailto:donnap@acwa.com).

If you have any questions, do not hesitate to contact us by telephone or e-mail.

dgp

### Enclosures:

1. General Session Membership Meeting – Agenda, May 7, 2014
2. General Session Membership Meeting – Minutes, December 5, 2013
3. Draft ACWA Bylaws Amendments – Redline Version
4. Draft ACWA Bylaws Amendments – Clean Version
5. Proxy Form

ITEM 7A



# Association of California Water Agencies

Since 1910

Leadership • Advocacy • Information • Service

## GENERAL SESSION MEMBERSHIP MEETING

*Wednesday, May 7, 2014*

*Portola Plaza Hotel, De Anza Ballroom*

*At the Conclusion of the Luncheon Program: 1:30 p.m.*

*Monterey, California*

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### AGENDA

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- |   |                                    |
|---|------------------------------------|
| I. Call to Order  | John A. Coleman                    |
| II. Approval of General Session Membership Meeting Minutes: | John A. Coleman                    |
| • December 4, 2013 (attached)                               |                                    |
| III. Proposed Draft ACWA Bylaws Amendments                  | John A. Coleman & Daniel Hentschke |
| IV. Adjourn   | John A. Coleman                    |



# Association of California Water Agencies

Since 1910

Leadership • Advocacy • Information • Service

## GENERAL SESSION MEMBERSHIP MEETING

*Thursday, December 5, 2013*

*JW Marriott LA Live, Diamond Ballroom Salon 4 & 5*

*At the Conclusion of the Luncheon Program: 1:15 – 1:45 p.m.*

*Los Angeles, California*

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### MINUTES

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President Randy Record called the General Session Membership Meeting to order at 12:57 p.m.

M/S/C To approve the minutes of December 4, 2013.

President Record declared John A. Coleman the President and congratulated him on his election.

President Record declared Kathleen J. Tieggs the Vice President and congratulated her on her election.

President Record stated that the past two years had been a wonderful experience for him, noting that he appreciated the dedication and willingness to work together demonstrated by the member agencies and ACWA staff. President Record stated we are at a crossroads in California water and it will require a team effort to address the challenges.

President Record passed the gavel to incoming President John A. Coleman.

Incoming President Coleman stated he was honored to accept the role of President for the next two years, noting he was looking forward to working with the ACWA members and staff to find common ground and solutions to the challenges we face.

At this time, Incoming President Coleman recognized President Record for his service and statewide leadership perspective.

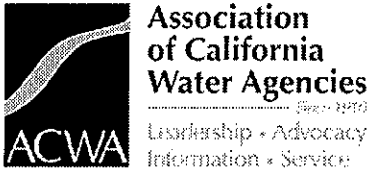
There being no further business, the meeting was adjourned at 1:11 p.m.

Respectfully submitted,

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Donna G. Pangborn  
ACWA Executive Assistant/Clerk of the Board

ITEM 7A



## PROPOSED BYLAW AMENDMENTS OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

*(As amended by the Members on May 9, 2012 with changes  
recommended by the ACWA Board of Directors – March 28, 2014)*

This is to provide official notice that amendments to ACWA's Bylaws have been proposed. The proposals have been submitted in a manner consistent with Article 9, Section 6, of the Bylaws. In accordance with Article 9, Section 6, notice is hereby given to all Members that the following amendment proposals will be voted upon at a General Session Membership Meeting at ACWA's 2014 Spring Conference in Monterey, California, on Wednesday, May 7, 2014.

To be approved, the amendments require a two-thirds vote of the member agencies of the Association present and voting at the General Session Membership Meeting.

(The full text of ACWA's Bylaws can be found at [www.acwa.com/content/board-directors/bylaws-association-california-water-agencies](http://www.acwa.com/content/board-directors/bylaws-association-california-water-agencies).)

The language to be added is indicated by underline. Language to be stricken is indicated by strikethrough.

### ARTICLE 7 – STANDING COMMITTEES

#### AMENDMENT #1

Article 7, Standing Committees, new Section 4. Proposes to add a Business Development Committee, a standing committee with representation on the ACWA Board of Directors.

Section 4. Business Development Committee. There shall be a Business Development Committee whose duty it is to develop and recommend to the Board of Directors programs and activities to be provided or administered by the Association that generate non-dues revenue and provide a service or benefit to Association members. The committee shall consist of at least one representative from each region and one representative from the other standing committees.

**Rationale:** This change will provide the means for continued analyses of current and future non-dues revenue programs. The committee will be responsible for reviewing current programs for relevance and financial impacts and the development and implementation of new programs, as well as promoting solid financial resources to the Association and relevant services to the Association membership.

#### AMENDMENT #2

Section 7, Standing Committees, Section 12. Proposes to delete the Personnel and Benefits Committee from the bylaws, resulting in the elimination of committee chair's representation on the ACWA Board of Directors.

ITEM 7A

PROPOSED BYLAW AMENDMENTS OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

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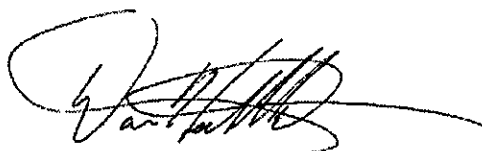
~~Section 12. Personnel and Benefits Committee. There shall be a Personnel and Benefits Committee whose duty it shall be to review, on a regular basis, membership salary survey, retirement issues, and other personnel, benefits, and administrative issues pertinent to the management of members of the Association. The committee shall consist of at least one and no more than two individuals from each region.~~

**Rationale.** This change has resulted from the benefit program functions reviewed by the Personnel and Benefits Committee having been fully transitioned to the management of ACWA-Joint Powers Insurance Authority (ACWA-JPIA) with the dissolution of ACWA-Health Benefits Authority (HBA) in July 2012.

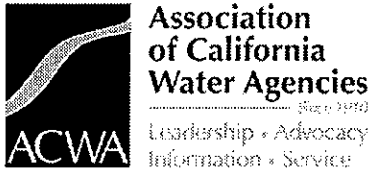
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John A. Coleman  
ACWA President



Daniel Hentschke  
Legal Affairs Committee Chair



## PROPOSED BYLAW AMENDMENTS OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

*(As amended by the Members on May 9, 2012 with changes  
recommended by the ACWA Board of Directors – March 28, 2014)*

### ARTICLE 7 – STANDING COMMITTEES

**Section 1. Qualification.** In order to serve on any ACWA standing committee, an individual must be an officer, employee, or member of the governing body of a member agency of the Association, or other representative duly designated by a member agency of the Association to represent that member at the time of the appointment. Where an individual ceases to meet these criteria during the term of the appointment, the individual may not serve during the remaining term of that appointment unless that individual can again meet the criteria for appointment and is appointed to complete the term.

**Section 2. Term of Office.** The term of office of standing committee members shall be two years commencing on January 1 of each even-numbered year. The term of office of standing committee chairs, who serve on the Board of Directors, shall be approximately two years and shall commence as soon after January 1 of the even-numbered year as they may be appointed by the president and ratified by the then-seated Board of Directors, and shall terminate on December 31 of the odd-numbered year approximately two years later or until their successors are appointed and ratified.

**Section 3. Meetings.** Meetings of standing committees may be called at such times and places designated by the respective chair thereof except where provided otherwise by these bylaws. Subject to the provisions of these bylaws and any actions that may be taken by the Board of Directors, the chairs of each standing committee may establish their own rules for the efficient operation of the committee they each chair. The chairs of each standing committee are authorized to create subcommittees and workgroups in order to complete the work of the committee.

**Section 4. Business Development Committee.** There shall be a Business Development Committee whose duty it is to develop and recommend to the Board of Directors programs and activities to be provided or administered by the Association that generate non-dues revenue and provide a service or benefit to Association members. The committee shall consist of at least one representative from each region and one representative from the other standing committees.

**Section 5. Communications Committee.** There shall be a Communications Committee whose duty it shall be to develop and make recommendations to the Board of Directors regarding a comprehensive internal and external communications program for the Association and to promote development of sound public information and education programs and practices among members of the Association. The committee shall consist of no more than 40 individuals. Of that number, at least one individual shall be from each region.

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PROPOSED BYLAW AMENDMENTS OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

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**Section 6. Energy Committee.** There shall be an Energy Committee whose duty it shall be to recommend policies and programs to the Board of Directors and to the State Legislative Committee and/or Federal Affairs Committee as appropriate. The committee shall consist of at least one representative from each region.

**Section 7. Federal Affairs Committee.** There shall be a Federal Affairs Committee whose duty it shall be to review all federal legislative proposals and regulatory proposals affecting members of the Association, after consulting with other appropriate committees, and to develop Association positions consistent with existing policy, where it has been established; recommend sponsorship of bills that will resolve problems or improve conditions for members of the Association; and assist in the establishment of the Association's federal legislative program. The committee shall consist of at least one and no more than five individuals from each region.

**Section 8. Finance Committee.** There shall be a Finance Committee whose duty it shall be to make recommendations to the Board of Directors regarding annual budgets, dues formula and schedules and other revenue-producing income, annual audit and selection of an auditor, and investment strategies. The committee shall consist of the president and vice president of the Association as ex officio members, the Finance Committee chair, one member of the region board from each of the Association's 10 regions (either chair or vice chair), and one additional representative from each region with experience in financial matters.

**Section 9. Groundwater Committee.** There shall be a Groundwater Committee whose duty it shall be to recommend policies and programs to the Board of Directors and to the State Legislative Committee and/or Federal Affairs Committee as appropriate. The committee shall consist of at least one representative from each region.

**Section 10. Legal Affairs Committee.** There shall be a Legal Affairs Committee whose duty it shall be to support the mission of the Association, and more particularly to deal with requests for assistance involving legal matters of significance to members of the Association, including but not limited to state and federal court litigation, water rights matters, selected regulatory and resources agency matters, proposed bylaw revisions, review of legislation as requested by the State Legislative Committee, etc. The committee shall consider matters and issues submitted to it in order to determine which ones are of major significance to the members of the Association and, assuming a finding of major significance, recommend to the Board of Directors the position(s) which the committee believes the Association should take with respect thereto. The committee shall be composed of between 35 and 45 attorneys, each of whom shall be, or act as, counsel for a member of the Association, representing diverse interests within the Association, including but not limited to, different geographical areas throughout the state, large and small agencies, agricultural and urban agencies, agencies created under the various enabling statutes, etc. Further, there shall be at least one representative from each region on the committee.

**Section 11. Local Government Committee.** There shall be a Local Government Committee whose duty it shall be to recommend policies to the State Legislative Committee, as appropriate, and Board of

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PROPOSED BYLAW AMENDMENTS OF THE ASSOCIATION OF CALIFORNIA WATER AGENCIES

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Directors on matters affecting water agencies as a segment of local government in California. The committee shall consist of at least one and no more than three individuals from each region.

**Section 12. Membership Committee.** There shall be a Membership Committee whose duty it shall be to assist staff in developing membership recruitment and retention programs, make recommendations to the Board of Directors regarding membership policies, eligibility, and applications for membership and review and make recommendations to the Finance Committee regarding an equitable dues structure. The committee shall consist of at least one member from each region.

**Section 13. State Legislative Committee.** There shall be a State Legislative Committee whose duty it shall be to review all state legislative proposals affecting members of the Association and to establish Association positions, consistent with existing policy, where it has been established; sponsor bills that will resolve problems or improve conditions for members of the Association; and assist in the establishment of the Association's legislative program. The committee shall consist of individuals representing a variety of types of members and at least one and no more than four individuals from each region.

**Section 14. Water Management Committee.** There shall be a Water Management Committee whose duty it shall be to recommend policy and programs to the Board of Directors on any area of concern in water management. The committee shall consist of at least one and no more than four individuals from each region.

**Section 15. Water Quality Committee.** There shall be a Water Quality Committee whose duty it shall be to develop and recommend Association policy, positions, and programs to the Board of Directors, to promote cost-effective state and federal water quality regulations that protect the public health, to enable interested members of the Association to join together to develop and coordinate with other organizations, and to present unified comments regarding agricultural and domestic water quality regulations. The committee shall consist of at least one individual from each region.

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Amended comprehensively December 1, 2010

Amended May 9, 2012





**PROXY FORM**

**ASSOCIATION OF CALIFORNIA WATER AGENCIES  
GENERAL SESSION MEMBERSHIP MEETING  
WEDNESDAY, MAY 7, 2014**

**TO:** Donna Pangborn, Executive Assistant/Clerk of the Board

**EMAIL:** donnap@acwa.com

**FAX:** 916-325-4856

The person designated below will be attending the ACWA General Session Membership Meeting on **Wednesday, May 7, 2014**, as our voting delegate.

<i>MEMBER AGENCY'S NAME</i>	<i>AGENCY'S TELEPHONE No.</i>
<i>MEMBER AGENCY'S AUTHORIZING REPRESENTATIVE</i>	<i>SIGNATURE</i>
<i>DELEGATE'S NAME</i>	<i>SIGNATURE</i>
<i>DELEGATE'S EMAIL</i>	<i>DELEGATE'S TELEPHONE No.</i>
<i>DELEGATE'S AFFILIATION (if different from assigning agency)<sup>1</sup></i>	<i>DATE</i>

<sup>1</sup> If your agency designates a delegate from another entity to serve as its authorized voting representative, please indicate the delegate's entity in the appropriate space above. Note: Delegates need to sign the proxy form indicating they have accepted the responsibility of carrying the proxy.

**REMINDER:** Proxy cards will be available for pick up on **Wednesday, May 7, 2014**, between **9:00 a.m.** and **12:30 p.m.** at the **General Session Proxy Desk** in the **De Anza Foyer** area of the **Portola Plaza Hotel**, outside of the **De Anza Ballroom** where the luncheon and General Session Membership Meeting will be held.

**ITEM 7A**



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Resource Conservation & Public Outreach

**Subject: Safe and Professional Work Environment for Employees: Approval of Five-Signature Statement**

**SUMMARY:**

On April 8, 2014, SEIU Representative Pamm Fair addressed the Board during the public comment period of the meeting to express concerns with incidences of verbal abuse directed at the District's represented employees and with reports of employees being blocked from carrying out their assignments in the Three Springs community. Also, an incident of vandalism to a lock at the entrance to Las Virgenes Reservoir was cited.

In response to the concerns expressed by SEIU Representative Fair and recognizing that the item had not been agendaized for the April 8th meeting, Board President Charles Caspary called for a statement on the issue to be prepared and read at the April 10th Community Workshop for the 5-Million-Gallon Tank Project, and requested that the statement be presented to the Board at its next meeting for approval and signature by all five Board Members.

Attached is a copy of the proposed Statement of the Board of Directors Supporting a Safe and Professional Work Environment for Employees, including signature blocks for all five Board Members.

**RECOMMENDATION(S):**

Approve the five-signature Statement of the Board of Directors Supporting a Safe and Professional Work Environment for Employees.

Prepared By: Jeff Reinhardt, Public Affairs & Communications Manager

**ATTACHMENTS:**

Statement of the Board of Directors Supporting a Safe and Professional Work Environment for Employees



Dedicated to Providing Quality  
Water & Wastewater Service

#### OFFICERS

President

**Charles P. Caspary**  
Director, Division 1

Vice President

**Glen D. Peterson**  
Director, Division 2  
MWD Representative

Secretary

**Barry S. Steinhardt**  
Director, Division 5

Treasurer

**Leonard E. Polan**  
Director, Division 4

**Lee Renger**

Director, Division 3

**David W. Pedersen, P.E.**  
General Manager

**Wayne K. Lemieux**  
Counsel

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#### HEADQUARTERS

4232 Las Virgenes Road  
Calabasas, CA 91302  
(818) 251-2100  
Fax (818) 251-2109

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#### WESTLAKE

FILTRATION PLANT  
(818) 251-2370  
Fax (818) 251-2379

TAPIA WATER  
RECLAMATION FACILITY  
(818) 251-2300  
Fax (818) 251-2309

RANCHO LAS VIRGENES  
COMPOSTING FACILITY  
(818) 251-2340  
Fax (818) 251-2349

[www.LVMWD.com](http://www.LVMWD.com)

MEMBER AGENCY OF THE  
METROPOLITAN WATER  
DISTRICT  
OF SOUTHERN CALIFORNIA

## Statement of the Board of Directors Supporting a Safe and Professional Work Environment for Employees

The Board of Directors of Las Virgenes Municipal Water District is the governing body that made the decision to proceed with the District's "Backbone Improvement Program" and a component of that program is the 5-million-gallon tank at Las Virgenes Reservoir. Other portions of the Backbone Program in Agoura Hills and Calabasas are complete or nearing completion. Those projects progressed with the cooperation and support of their respective communities.

It has come to our attention that District employees such as meter readers and construction and operations personnel doing work in the Three Springs community have been subject to verbal harassment, abuse and in some cases, blocked from doing their assignments. Recently, a lock at the entrance to the reservoir facility was vandalized, in an effort to prevent District employees and contractors from entering an important public facility.

The majority of Three Springs residents have been cooperative, understanding, and/or expressed a desire for the project to be completed as quickly as possible. However, a few individuals who oppose the project have chosen to vent their opposition on District employees who had nothing to do with the decision made by the Board. These are personnel simply trying to do their work, earn their pay and at the end of the day, return home safely to their families.

All five members of the Board of Directors ask these individuals to immediately stop the harassment of District personnel, making threats to their safety and well-being or impeding their ability to get to or perform their respective duties.

Every District Board meeting provides an appropriate place for public comment, and some members of the community have used that avenue to address the Board. It is perfectly acceptable to disagree with a decision or policy of the Board. However, we believe District workers are entitled to a harassment-free environment as they go about their jobs serving the community.

ITEM 7B

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Charles Caspary

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Glen Peterson

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Lee Renger

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Leonard Polan

---

Barry Steinhardt

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ITEM 7B



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

**Subject: Backbone Improvement Program 5-Million-Gallon Tank Project: Process to Approach Individuals with Greatest Concerns**

**SUMMARY:**

At the March 25, 2014 Board meeting, Director Len Polan, with a second from Director Barry Steinhardt, requested a future agenda item to discuss a process to approach individuals with the greatest concerns related to the construction of the 5-Million-Gallon Tank Project. This item summarizes the District's current process to address customer concerns and provides the Board with an opportunity to give feedback to staff on the approach.

**RECOMMENDATION(S):**

Provide staff with feedback on its process to approach individuals with the greatest concerns related to construction of the 5-Million-Gallon Tank Project.

**FINANCIAL IMPACT:**

There is not expected to be a significant financial impact associated with this action.

**DISCUSSION:**

Currently, the District maintains a project hotline (818.251.2180) and email address ([5mil@lvmwd.com](mailto:5mil@lvmwd.com)) for customers to submit questions, concerns or complaints about the construction work. All customer contacts are logged, and a response is provided within one business day. When necessary and/or appropriate, corrective action is taken to remedy a problem. For example, when a dust complaint is received, the District's Resident Engineer will inspect the work area and direct the contractor to enhance dust control measures. At the biweekly construction progress meetings, the entire Construction Team reviews the customer contact log to ensure that responses were provided and that any corrective actions were effectively implemented.

There are several customers who have submitted multiple complaints regarding the construction work. The Construction Team has escalated these complaints to ensure that they are appropriately handled. For example, a customer residing on Sandy Creek Drive has expressed multiple concerns and complaints covering a variety of issues including noise, diesel fumes, dust and safety. General Manager Pedersen and Director of Facilities & Operations Lippman visited the customer's home to personally discuss the concerns and complaints in an effort to address them.

Staff proposes to continue to respond timely and individually to customers with questions, concerns or complaints about the construction work. When necessary, the complaints will be escalated and District management will meet with customers who express the greatest concerns. The meetings will be focused on identifying measures that can be implemented to address or mitigate the concerns to the extent possible.

On March 11, 2014, in conjunction with approval of the Memorandum of Understanding with the City of Westlake Village, the Board authorized the General Manager to implement additional mitigation measures.

TEAS/TC

that may be deemed necessary during the progress of construction. As a result, the General Manager has sufficient authority within the limits of the project budget to implement measures aimed to address or mitigate the concerns.

Prepared By: David W. Pedersen, General Manager



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

**Subject: Tapia Water Reclamation Facility Primary Clarifier No. 1 Rehabilitation Project: Award of Construction Contract**

Las Virgenes-Triunfo Joint Powers Authority approved funding for this matter in the Joint Powers Authority Budget. This recommendation is before the LVMWD Board of Directors for action, as administering agent, as authorized in the Joint Powers Authority Agreement.

**SUMMARY:**

On February 25, 2014, the Board authorized a Call for Bids for the Primary Clarifier No. 1 Rehabilitation Project. The project involves the repair and rehabilitation of Primary Clarifier No. 1, including removing and replacing the effluent launders and support brackets for the spray piping, repairing cracks and soft concrete inside the clarifier, and recoating the concrete interior and aluminum beams.

Primary Clarifier No.1 is proposed to be the first of the five sedimentation tanks to be evaluated and rehabilitated. Because the full capacity of the sedimentation tanks is needed during the winter months, the work is scheduled to take place over the summer. The project has duration of 120 calendar days.

A mandatory pre-bid job walk was conducted on March 19, 2014. Four bids were submitted and publicly opened on April 2, 2014. The lowest responsive bid was submitted by Offshore Construction, Inc. in the amount of \$169,500.00, which is approximately 24% lower than the engineer's estimate of \$223,749.90.

**RECOMMENDATION(S):**

Award a construction contract to Offshore Construction, Inc. in the amount of \$169,500.00 for the Tapia Water Reclamation Facility Primary Clarifier No. 1 Rehabilitation Project and reject all remaining bids upon receipt of the duly executed contract documents.

**FINANCIAL IMPACT:**

The adopted Fiscal Year 2013-14 Budget provides sufficient funding under CIP Job No. 10512 for the proposed project. No additional appropriation is required at this time.

**DISCUSSION:**

The following bids were received for the project (see attached bid summary for details):

Offshore Construction, Inc.	\$169,500.00	24.2% lower than engineer's estimate
Spieß Construction Co., Inc.	\$234,190.00	4.7% higher than engineer's estimate
Cor-Ray Painting, Co.	\$268,725.00	20.1% higher than engineer's estimate
Green Building Corporation	\$298,925.00	33.6% higher than engineer's estimate

Because the District has no prior working experience with Offshore Construction, Inc., MNS Engineers, Inc., as part of their consulting services, and staff verified the contractor's license status and contacted TEM 8A

three project owner references: (1) Casitas MWD, (2) City of Port Hueneme, and (3) San Juan Water District. All three reference inquiries resulted in very positive feedback.

Staff also reviewed the bids in detail and concluded that while Offshore Construction had lower itemized bids, its prices were comparable with the lowest itemized bid prices from the other three bidders. Staff also contacted Offshore Construction and confirmed that there was no mistake in their submitted bid. Based on the bid analysis and background review, it is recommended that the contract be awarded to Offshore Construction, Inc.

MNS Engineers will provide professional services during construction. This scope of work was included in the design contract that was previously awarded for the project.

Prepared By: Megan Trott, Junior Engineer

**ATTACHMENTS:**

Bid Summary



**Tapia Water Reclamation Facility: Primary Clarifier No. 1 Rehabilitation Project**

Owner: Las Virgenes Municipal Water District - Triunfo Sanitation District Joint Power Authority

Bid Opening: 4/2/2014

\* marks an allowance

Item #	Description	Quantity	Unit of Measure	Engineer's Estimate		Bidder #1		Bidder #2		Bidder #3		Bidder #4	
				Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total
Mobilization/DEMobilization (NOT TO EXCEED 5% OF TOTAL BASE BID)				included in the items below									
1	REMOVE AND REPLACE PRIMARY CLARIFIER 1 EFFLUENT LAUNDERS	1	LS	\$7,700.00	\$7,700.00	\$7,700.00	\$7,700.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00
2	REPAIR OF SPALLED CONCRETE	1	LS	\$69,100.00	\$69,100.00	\$69,100.00	\$69,100.00	\$80,000.00	\$80,000.00	\$74,000.00	\$74,000.00	\$199,500.00	\$199,500.00
3	PREPARE AND RECOAT ALUMINUM BEAMS AND HARDWARE	1,150	SF-IN	\$120.00	\$138,000.00	\$30.00	\$34,500.00	\$54.00	\$62,100.00	\$66.00	\$75,900.00	\$42.50	\$48,875.00
4	REMOVE AND REPLACE SPRAY PIPE BRACKETS	4	EA	\$750.00	\$3,000.00	\$750.00	\$3,000.00	\$910.00	\$3,640.00	\$3,000.00	\$12,000.00	\$2,300.00	\$9,200.00
5	PRIMARY CLARIFIER 1 INTERIOR COATING	12	EA	\$41.66	\$499.92	\$100.00	\$1,200.00	\$500.00	\$6,000.00	\$550.00	\$6,600.00	\$150.00	\$1,800.00
6	RECOAT INFLUENT DIFFUSERS	1,050	SF-IN	\$25.00	\$26,250.00	\$50.00	\$52,500.00	\$65.00	\$68,250.00	\$84.50	\$88,725.00	\$25.00	\$26,250.00
7	RECOAT INFLUENT DIFFUSERS	3	EA	\$2,866.66	\$7,999.98	\$500.00	\$1,500.00	\$1,400.00	\$4,200.00	\$500.00	\$1,500.00	\$1,100.00	\$3,300.00
<b>Bid Total</b>					<b>\$223,749.90</b>		<b>\$169,500.00</b>		<b>\$234,190.00</b>		<b>\$268,725.00</b>		<b>\$298,925.00</b>

NO

NO

NO

NO

NO

MOBILIZATION EXCEED 5% OF TOTAL BASE BID?												
Alternative Bid Item A												
Item #	Description	Quantity	Unit of Measure	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Item Total
A	REMOVE AND REPLACE PRIMARY CLARIFIER 1 EFFLUENT LAUNDERS (FRP)	1	LS	\$74,400.00	\$74,400.00	\$74,400.00	\$74,400.00	\$80,000.00	\$80,000.00	\$65,900.00	\$65,900.00	\$111,500.00
<b>Bid Total</b>					<b>\$74,400.00</b>		<b>\$74,400.00</b>		<b>\$80,000.00</b>		<b>\$65,900.00</b>	<b>\$111,500.00</b>

Alternative Bid Item B												
Item #	Description	Quantity	Unit of Measure	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Unit Price	Item Total	Item Total
B	REMOVE AND REPLACE INFLUENT DIFFUSERS	3	EA	\$900.00	\$2,700.00	\$900.00	\$2,700.00	\$2,000.00	\$5,000.00	\$1,100.00	\$3,300.00	\$9,750.00
<b>Bid Total</b>					<b>\$2,700.00</b>		<b>\$2,700.00</b>		<b>\$5,000.00</b>		<b>\$3,300.00</b>	<b>\$9,750.00</b>

TOTAL BID AMOUNT WITH ALTERNATIVE A (MINUS BID ITEM 2)				\$174,800.00	\$234,190.00	\$260,625.00	\$210,925.00
TOTAL BID AMOUNT WITH ALTERNATIVE B (MINUS BID ITEM 7)				\$170,700.00	\$235,990.00	\$270,525.00	\$305,375.00
TOTAL BID AMOUNT WITH ALTERNATIVE A & B (MINUS BID ITEMS 2 AND 7)				\$176,000.00	\$235,990.00	\$262,425.00	\$217,375.00

Listed Subs	Offshore Construction Inc.		Spies Construction Co., Inc.		Cor-Ray Painting Co.		Green Building Corporation		
	Description	Unit Price	Item Total	Description	Unit Price	Item Total	Description	Unit Price	Item Total
	Industrial Coating & Restoration Inc.			Surface Prep & Coating Application			Spess Construction		
	Ventura Steel, Gierlick-Mitchelle						National Coating & Lining		
	Fugro, Pacific Crane, Rain for Rent								
	Gierlick-Mitchelle, Composite Plastic								

ITEM 8A



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Facilities & Operations

**Subject: Castro Peak Communication Site Lease: Approval of Terms and Authorization to Execute Lease Agreement**

**SUMMARY:**

The District has an extensive radio communication network for both voice and its Supervisory Control and Data Acquisition (SCADA) system. Transmitters for the network are located at several sites including Castro Peak. Although the records are not clear, it appears that the District first installed its radio transmitter at Castro Peak, which is housed in a National Park Service (NPS) building, in the early 1990's. Unfortunately, there was only verbal authorization for use of the facility, and the District did not secure an easement for the use of Castro Peak Motorway, which traverses private property to access to the site.

In 2013, the NPS requested that the District secure a right-of-way permit for the use of federal facilities at Castro Peak. At the same time, a large private property owner in the area put the District on notice that it was trespassing when utilizing Castro Peak Motorway to access the site. Staff discussed the issue with Legal Counsel and determined that the circumstances would not support a prescriptive right claim by the District for access to the site and that a proper easement would be required for the District's use of Castro Peak Motorway.

Two options were considered to secure the rights to operate and access the District's communication equipment at Castro Peak. The first option involved obtaining a right-of-way permit from NPS for use of their facility and an easement from the private property owner for use of Castro Peak Motorway. The second option consisted of negotiating a lease with the private property owner, who operates a large communications site on an adjacent property and can provide access rights for the use of Castro Peak Motorway.

Staff recommends that the District pursue the second option and has negotiated the following terms with the property owner, Communications Relay, LLC: a monthly lease amount of \$1,000, including access rights to the site; an initial term of 10 years; two mutually agreed 10-year renewal options, escalation of 2% per year for both the initial and renewal terms; and inclusion of utilities and emergency power in monthly lease amount.

**RECOMMENDATION(S):**

Approve the terms of a lease agreement with Communications Relay, LLC for communication equipment at Castro Peak and authorize the General Manager to execute a lease agreement in a form approved by the District's Legal Counsel.

**FINANCIAL IMPACT:**

This action will result in an annual cost of \$12,000 per year with a 2% escalation after the first year. The lease amount will be paid with funds from all three enterprises.

**DISCUSSION:**

ITEM 8B

The District has an extensive radio communication network for both voice and its SCADA system. Transmitters for the network are located at several sites including Castro Peak. Castro Peak is west of Malibu Creek State Park at an elevation of 2,824 feet, one of the highest peaks in the District's service area. There are extensive communication facilities located at Castro Peak with the majority of them on private property.

Access to the site is from Castro Peak Motorway, an unimproved private road. Although the records are not clear, it appears that the District first installed a radio transmitter in an NPS building at Castro Peak in the early 1990s. There is no formal agreement with the NPS to use their building; only verbal authorization was provided. Also, the District does not have an access easement for the use of Castro Peak Motorway.

In 2013, the NPS requested that the District secure a right-of-way permit for the use of its federal facilities at Castro Peak. At the same time, a large private property owner put the District that it was trespassing when utilizing Castro Peak Motorway to access the site. These issues were brought to light after adoption of the Negative Declaration for the District's SCADA upgrade program. The upgrade program included proposed improvements to the equipment located at Castro Peak.

Two options were considered to secure the rights to operate and access the District's communication equipment at Castro Peak. The first option involved obtaining a right-of-way permit from NPS for use of their facility and an easement from the private property owner for use of Castro Peak Motorway. The second option consisted of negotiating a lease with the private property owner, who operates a large communications site on an adjacent property and can provide access rights for the use of Castro Peak Motorway.

The two options are described in more detail below. Staff recommends that the Board approve the terms of Option No. 2.

#### Option No. 1:

The process to obtain a right-of-way permit from NPS would be funded by the District and would require a National Environmental Policy Act (NEPA) review. The District would also be required to fund its share of the operational costs of the Castro Peak facility, including utility payments, propane for the back-up generator, annual weed abatement, NPS periodic patrols and radio technician visits, when necessary. The NPS has the authority to collect or waive lease payments for the use of the facility. Without proceeding further with the permitting process, these costs are somewhat unknown. However, the permitting process would be several thousand dollars and operational costs would be several hundred dollars per month. Lease payments could range from \$1,000 to \$1,500 a month. The access easement would cost an additional \$1,000 a month.

#### Option No. 2 (Recommended):

Following discussions with the private property owner, Communication Relay, LLC, the following terms have been negotiated for a shared shelter in a secured area with appropriate antenna space: a monthly lease amount of \$1,000, including access rights to the site; an initial term of 10 years; two mutually agreed 10-year renewal options, escalation of 2% per year for both the initial and renewal terms; and inclusion of utilities and emergency power in monthly lease amount. These terms are favorable when compared to market rates for similar installations. The SCADA upgrades proposed at the NPS site included a new mast that will no longer be necessary, resulting in a savings of \$15,000.

Prepared By: David R. Lippman, Director of Facilities & Operations



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

---

**Subject: Claim from Ray Stewart**

---

**SUMMARY:**

On March 19, 2014, the District received a claim from Ray Stewart of Calabasas for damages to his house and a high water bill. Mr. Stewart claims that high water pressure caused damages to his home appliances in the amount of \$400 and resulted in overbilling by the District in the amount of \$4,000. Staff investigated the claim and determined that the claimant did not provide sufficient information to substantiate his claim.

District Legal Counsel also reviewed the claim and recommended that it be denied.

**RECOMMENDATION(S):**

Deny the claim from Ray Stewart.

Prepared By: Donald Patterson, Director of Finance & Administration

**ATTACHMENTS:**

Claim from Ray Stewart



Claim Against Las Virgenes Municipal Water District  
Government Code Sections 910 and 910.4

Mail or Deliver To: Executive Clerk of the Board  
Las Virgenes Municipal Water District  
4232 Las Virgenes Road  
Calabasas, CA 91302

Name of claimant: Ray Stewart

Address/location of accident or occurrence:

[Redacted]

Address to where replies/notices should be sent (if different from the above):

[Redacted]

Telephone numbers: Home ( ) ; Work (K) [Redacted]

Please answer the following questions. If more space is required, please attach additional sheets. Make sure to reference the item number and sign and date the additions.

- When did damage or injury occur? (Give exact date and hour)  
Jan, Feb, thru March 18, 2014
- Where did the damage or injury occur?  
Leaks to Appliances, additional stress to PVC irrigation
- How did the damage or injury occur? (Give full details)  
PSI WAS noted @ 150 PSF (see Attached from L<sup>V</sup>MWD)
- What damage or injuries do you claim?  
Leaks by plumbing fixtures resulting in a \$4000 WATER Bill & toilet repair kits that exceeded \$400 for 2 toilets.

ITEM 9A

5. If this claim is for damage to property, are you the legal owner of said property?  
Yes  No . If not, please list name and address of property owner.

6. What is the name or names of the District employee or employees causing the injury, damage or loss, if known?

Not known but I noticed on 3/12/2014 when I called Pm Pint Leak detection out there was a rupture to the mulholland water line in the street around 24800 mulholland hwy

7. If District employees were involved in causing the damage or injury, do you believe there was a particular act or omission on the part of the employees that caused it?

8. What is the amount of claim to date - actual? (Bills verifying such amounts may be required)

\$4,400 not including Pm Pint Leak Detection.

9. What is the amount of claim to completion date? (Estimates verifying such amounts may be required. Three (3) estimates are recommended.)

9. Other details? (Names, addresses of witnesses, doctors and hospitals)

  
Signature of Claimant or Person Acting on Claimant's Behalf

3/19/2014  
Date

This claim must be signed by claimant or by an authorized agent of the claimant. One copy must be filed with this office. Keep one copy for your records.

Notice: Section 72 of the Penal Code provides: "Every person who, with intent to defraud, presents for allowance or for payment to any state board or officer, or to any county, town, city, district, ward or village board or officer, authorized to allow or pay the same if genuine, any false or fraudulent claim, bill, account, voucher, or writing, is guilty of a felony".

Date Received: \_\_\_\_\_ Time: \_\_\_\_\_ Recorded by: \_\_\_\_\_

**Ray Stewart**

---

**From:** LVMWD Customer Service <LVMWD\_Customer\_Service@lvmwd.com>  
**Sent:** Tuesday, March 18, 2014 2:41 PM  
**To:** Ray Stewart  
**Subject:** Water Pressure Call  
**Attachments:** 044117\_0001.pdf

The prior email did not include the pressure waiver. I have attached it to this email.

Hello,

We went out to the property at [REDACTED] today and found the water pressure was at 150 PSI. The districts regulator had been set at the highest pressure. The pressure was adjusted back down to 75 PSI. I have included a pressure waiver attached to this email. Please sign and return the pressure waiver to have the pressure adjusted above 75 PSI. We have also left a note at the property with the findings.

Please do not hesitate to contact us with any questions.

Thank You,

*Amanda Smith*  
Customer Service Representative  
Las Virgenes Municipal Water District  
4232 Las Virgenes Rd  
Calabasas, CA 91302  
Ph: (818)251-2200  
Fax (818)251-2109  
Email: [LVMWD\\_Customer\\_Service@lvmwd.com](mailto:LVMWD_Customer_Service@lvmwd.com)





4232 Las Virgenes Road, Calabasas, CA 91302-1994 (818) 251-2200 • www.LVMWD.com

Member Agency of Metropolitan Water District of Southern California

1,774

**Mailing Information**      **Account Information**

Customer # 044117      Account # 000370240      Classification Commercial  
 Service Location [Redacted]      Bill # 2409024

**Meter Information**      **Billing Summary**

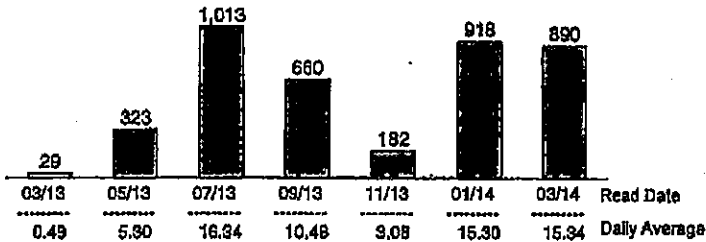
Meter Size 1"      Meter # 21761258      Bill Date 3/12/2014  
 From 01/07/14      To 03/06/14      Days 58      Previous 918      Current 1808      Units 890  
 Previous Balance \$4,452.09  
 2% Late Fee \$88.04  
 Payment - Thank you \$4,585.69CR  
 Balance Forward \$25.56CR

**Charges**      **Totals**

WATER	(1 Unit=100 Cubic Feet = 748 Gallons)	Rate	Amount	
Tier 1	27 UNITS x	\$2.19	\$59.13	
Tier 2	87 UNITS x	\$2.60	\$226.20	
Tier 3	226 UNITS x	\$3.56	\$804.56	
Tier 4	560 UNITS x	\$5.02	\$2,761.00	
Total Usage	890 UNITS			\$3,850.89
Elevation Charge - Zone 2	890 UNITS x	\$0.40		\$356.00
Readiness To Serve Charge				\$44.49
Current Charge				\$4,251.38

Jessica - Amanda  
 Claim Form

Water Usage History (Units in HCF)



Total Amount Due \$4,225.82

New rates are in effect January 1, 2014.

Contact Customer Service at 818 251-2200 if you have any questions.

Please return this portion with your payment. Make checks payable to LVMWD.

pd

Customer Number 044117      Account Number 000370240  
 Bill Date 3/12/2014      Due Date 4/02/2014      Total Amount Due \$4,225.82

Please show payment amount \_\_\_\_\_

For Credit Card Payments Call 1-855-277-7987

0441170003702400000422582201404021

ITEM 9/A





**LAS VIRGENES MUNICIPAL WATER DISTRICT**  
 4232 Las Virgenes Road  
 Calabasas, Ca 91302

Regulators will be required ahead of the district's meter where static pressures are in excess of 150 PSI. The district will set the regulator at 75 PSI unless a signed waiver is received from the customer specifying a desired pressure, not to exceed 145 PSI. The district assumes no liability for the accuracy of the regulator pressure setting or the reliability of the regulator.

Section 3-3.109 LVMWD Administrative Code.

Please be advised that the water pressure for service to your property was set at 75 PSI. To continue serving your property at a higher than normal pressure, we will need a signoff from you, as the current property owner. If you wish to sustain the present pressure conditions, please complete the attached waiver card and return it to us at:

**Customer Service**  
 Las Virgenes Municipal Water District  
 4232 Las Virgenes Road  
 Calabasas, CA 91302

If you have any questions, please contact customer service at 818 251-2200.

Customer Name Ray Stewart  
 Customer No. 044117

I / We hereby request Las Virgenes Municipal Water District to increase my water pressure coming through my regulated service at:

from the standard 75 psi to 80 psi, with a maximum of 145 psi.

A regulator and pressure relief valve have been installed to protect my house plumbing and I / We hereby release Las Virgenes Municipal Water District from any liability for any damage which might occur from said increase in pressure.

(If you are a tenant, LVMWD will require the property owner's signature prior to increasing the pressure.)

ITEM 9A



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

**Subject: Approval of Detachment and Annexation of Malibu Heights Territory: Parcel Map 23897, APN 4457-003-016, and APN 4457-002-038**

**SUMMARY:**

Since 2002, the District and Los Angeles County Waterworks District No. 29, Malibu, have maintained an understanding that the County would provide water service to the properties included on Parcel Map No. 23897, a four-lot subdivision, and two adjacent parcels, APN 4457-003-016 and APN 4457-002-038, also known as Malibu Heights. The Board approved actions in 2002 and 2009 that confirmed the District's intentions for Malibu Heights. However, the Consent to Service Agreement originally intended to effect the arrangement proved to be problematic for several reasons; therefore, LAFCO initiated Annexation 29-1 to formally detach the subject territory from the District and annex it to Los Angeles County Waterworks District No. 29, Malibu.

**RECOMMENDATION(S):**

Adopt the Negotiated Tax Exchange Resolution, approving Annexation 29-1 that consists of the detachment of Parcel Map 23897, APN 4457-003-016 and APN 4457-002-038 from Las Virgenes Municipal Water District and annexation to Los Angeles County Waterworks District No. 29, Malibu.

**FINANCIAL IMPACT:**

There is no significant financial impact associated with this action as the affected parcels generate very minimal property tax revenue for the District. If the District retained the subject properties in its service area, significant costs would be incurred to install infrastructure needed to serve the properties.

**DISCUSSION:**

The subject territory consists of six legally designated properties (Parcel Map 23897, APN 4457-003-016 and APN 4457-002-038) located within the Las Virgenes Municipal Water District's service area just north of Sierra Retreat, near Palm Canyon Drive and immediately adjacent to the City of Malibu.

On October 22, 2002, the Board approved a Consent to Service Agreement whereby the properties would be served by Los Angeles County Waterworks District No. 29, Malibu, as its services were adjacent to the properties. However, the Agreement was executed by a Waterworks District No. 29 staff member who reportedly did not have sufficient authority to enter into the Agreement. The Agreement should have been approved by the Los Angeles County Board of Supervisors following a declaration of the availability of surplus water. As a result, the Agreement was deemed invalid.

To remedy the situation, LAFCO initiated Annexation 29-1 to formally detach the subject territory from the District and annex it to Los Angeles County Waterworks District No. 29, Malibu. On July 14, 2009, the Board directed District staff to issue a letter to Los Angeles County Waterworks District No. 29, Malibu, agreeing to begin the process to detach the subject parcels from the District. The adoption of the Negotiated Tax Exchange Resolution will complete the process.

ITEM 9B

Attached are copies of supporting documentation for the detachment and annexation process, including the invalid Consent to Service Agreement.

Prepared By: Donald Patterson, Director of Finance & Administration

**ATTACHMENTS:**

Supporting Documentation for Detachment and Annexation Process



GAIL FARBER, Director

# COUNTY OF LOS ANGELES

## DEPARTMENT OF PUBLIC WORKS

*"To Enrich Lives Through Effective and Caring Service"*

900 SOUTH FREMONT AVENUE  
ALHAMBRA, CALIFORNIA 91803-1331  
Telephone: (626) 458-5100  
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:  
P.O. BOX 1460  
ALHAMBRA, CALIFORNIA 91802-1460

March 18, 2014

IN REPLY PLEASE

REFER TO FILE: WW-2

Mr. David W. Pedersen, General Manager  
Las Virgenes Municipal Water District  
4232 Las Virgenes Road  
Calabasas, CA 91302

Dear Mr. Pedersen:

**ANNEXATION 29-1, AS A PART OF LOCAL AGENCY FORMATION COMMISSION  
REORGANIZATION 2009-16  
NEGOTIATED TAX EXCHANGE RESOLUTION RESULTING FROM ANNEXATION  
OF TERRITORY, LOCATED WITHIN THE UNINCORPORATED AREA OF  
LOS ANGELES COUNTY KNOWN AS MALIBU HEIGHTS, TO LOS ANGELES  
COUNTY WATERWORKS DISTRICT NO. 29, MALIBU, AND DETACHMENT OF  
SAME TERRITORY FROM LAS VIRGENES MUNICIPAL WATER DISTRICT**

This letter is to request that the Las Virgenes Municipal Water District's Board of Directors approve the exchange of ad valorem property tax in conjunction with the annexation of the territory located north of Palm Canyon Lane, and generally between Cross Creek Road and Serra Road, north of the existing boundary of Los Angeles County Waterworks District No. 29, Malibu, in the unincorporated area of Los Angeles County commonly known as Malibu Heights, designated as Annexation 29-1 (see enclosed map), as a part of the Local Agency Formation Commission Reorganization 2009-16, to the Los Angeles County Waterworks District No. 29, Malibu. The reorganization also involves the detachment of this territory from Las Virgenes Municipal Water District.

Enclosed are three sets of the original Joint Tax Resolution for your Board's adoption. Attached to the Joint Tax Resolution are two worksheets (Exhibits A and B) for Annexation 29-1 listing the share of the annual tax increments to be exchanged between the Los Angeles County Waterworks District No. 29, Malibu, and affected taxing agencies. The tax-sharing ratios listed in the worksheets were calculated using a formula approved by the County of Los Angeles Auditor-Controller and County Counsel. Column 5 of the Exhibits identifies the portion of the current tax share each affected agency will have to transfer to the Los Angeles County Waterworks District No. 29, Malibu, as a result of the proposed annexation. The Las Virgenes Municipal

ITEM 9B

Mr. David W. Pedersen  
March 18, 2014  
Page 2

Water District's share of the Tax Rate Area was set to zero, and their previous share apportioned to the remaining taxing entities to account for the detachment of the territory from Las Virgenes Municipal Water District.

Please execute the three sets of the enclosed original Joint Tax Resolution and return to the following:

Mr. Michael T. Roach  
County of Los Angeles Department of Public Works  
Waterworks Division  
900 South Fremont Avenue  
Alhambra, CA 91803-1331

Subsequent to the adoption of the Joint Tax Resolution by all affected agencies and the County of Los Angeles Board of Supervisors, a fully executed copy will be sent to you for your records.

If you have any questions, please contact Mr. Roach at (626) 300-3343 or via e-mail at [mroach@dpw.lacounty.gov](mailto:mroach@dpw.lacounty.gov).

Very truly yours,

GAIL FARBER  
Director of Public Works

  
FOR ADAM ARIKI  
Assistant Deputy Director  
Waterworks Division

MTR:dvt  
LTS881

Enc.

ITEM 9B



**July 14, 2009 Board Meeting**

**TO:** Board of Directors

**FROM:** Facilities & Operations

---

**Subject:** Parcel Map 23897, APN 4457-003-016 and APN 4457-002-038 Detachment Request

---

**SUMMARY**

Parcel Map 23897, APN 4457-003-016 and APN 4457-002-038 are located within the Las Virgenes Municipal Water District just north of Serra Retreat near Palm Canyon Drive as shown on the attached map. On October 22, 2002 the Board approved a "Consent to Service" agreement where the properties would be served by Los Angeles County Water Works District 29 (WWD 29). However, the staff person who executed the agreement for WWD 29 did not have the authority to do so, so the agreement is considered invalid. The agreement should have been approved by the County Board of Supervisors (BOS) and a declaration of surplus water should have been made. WWD 29 staff believes it is unlikely that the BOS will make a declaration of surplus water at this time and asked if we would consider detachment from Las Virgenes MWD and annexation to WWD 29. Any extension of district facilities to serve this area would be very costly, whereas the WWD 29 facilities are very close. There is a potential loss of water connection fee revenue if the property detaches. WWD 29 has asked if we would issue a letter agreeing to beginning the process of detachment; in the letter we would raise the issue of lost connection fee revenue.

**RECOMMENDATION**

- Direct staff to issue a letter to Los Angeles County Water Works District 29 agreeing to begin the process of detachment of Parcel Map 23897, APN 4457-003-016 and APN 4457-002-038 from the Las Virgenes MWD service area.

**FINANCIAL IMPACT**

None.

David R. Lippman, Director of Facilities & Operations, prepared this report.

---

John R. Mundy  
General Manager

Date

October 22, 2002

TO: C. Eugene Talmadge, Planning Administrator *CT*

FROM: Michael D. Brown, Civil Engineering Associate *MD*

SUBJECT: "Consent to Service Agreement" with Los Angeles County Waterworks District No. 29 concerning Parcel Map 23897, APN 4457-003-016 and APN 4457-002-038

**SUMMARY**

Parcel Map No. 23897, a four-lot subdivision, and two adjacent parcels, APN 4457-003-016 and APN 4457-002-038, are located within the boundaries of the Las Virgenes Municipal Water District adjacent to the City of Malibu near Palm Canyon and Serra Lane. LVMWD does not have potable water facilities in or near this area.

The developer of this parcel map, Grant Adamson, is in need of water service and has requested permission to be served from Los Angeles County Water Works District No. 29, which does have water service in that area.

On April 11, 1983, LVMWD executed a similar agreement that allowed Los Angeles County Waterworks District No. 29 to serve the four lots of Parcel Map 7428 near the subject property.

**RECOMMENDATION**

- Approve the request by the developer, Grant Adamson, to be served by Los Angeles County Waterworks District No. 29 and authorize the General Manager to execute the attached "Consent to Service Agreement".

REVIEWED AND APPROVED *NLB*  
Norman L. Buehring

APPROVED FOR JANUARY 14, 2003 AGENDA *JEC*  
James E. Colbaugh

11A

ITEM 9B

**M.H.A.B. Trust**

P.O. Box 2485  
Malibu, Ca 90265  
310-456-3239  
Fax 310-456-3182

March 11, 2008

Mr. Steve Hunter  
Land Design Consultants Inc.  
199 South Los Robles Avenue, Suite 250  
Pasadena, Ca 91101

Re: CUP 94-047, Parcel Map 23897

Dear Steve:

We received a copy of Mr. Eng's e-mail. We have enclosed a copy of a Consent to Service Agreement where the LA County Waterworks District agrees to provide service to our property. All of the water mains in the Serra Canyon community were replaced approximately ten years ago with the exception of the water main in Sweetwater Mesa Drive so we believe the water infrastructure is relatively new.

Last Friday, Richard Sherman of Topanga Underground contacted us about the LA County Waterworks District's plans to construct a 500,000 gallon tank on property east of our project site. Richard said that the District does not want to connect the new tank to the Serra Road main by going down Sweetwater Mesa Drive with a new 12" main because the 4,000 foot distance would be too expensive. Instead, the District wants to find a more direct route from the proposed tank and the water main in Serra Road.

Sincerely,  
M.H.A.B. Trust



Grant Adamson

Enclosures



## CONSENT TO SERVICE AGREEMENT

As of October 22, 2002, M.H.A. B. Trust, herein "Customer,"  
**LAS VIRGENES MUNICIPAL WATER DISTRICT**, herein "Las Virgenes," and  
Los Angeles County Waterworks District<sup>29</sup>, herein "Water Purveyor," agree as  
 follows:

**1. Purpose.**

Customer owns property within the territorial limits of Las Virgenes which can be more conveniently served by water purveyors. This agreement sets forth the terms under which Las Virgenes will consent to the water purveyor serving the customer's property.

**2. Description of Property.**

The Customer's property located within Las Virgenes, herein "subject property," is more particularly described on Exhibit "A," attached hereto.

**3. Conditions of Service.**

Water purveyor shall establish the conditions for commencement of service and the rates and charges for continuation of service. Customer shall comply with the rules and regulations established by water purveyor.

**4. Termination of Service.**

(a) Water purveyor may terminate service to the subject property on sixty days' prior written notice to the Customer and Las Virgenes if the Customer violates the terms and conditions of service established by Water Purveyor. Water Purveyor shall provide the Customer with written notice of failure to comply with rules and regulations in the same manner as other Water Purveyor customers.

(b) Water Purveyor may also terminate service to the subject property on sixty days' prior written notice to the Customer and Las Virgenes if Water Purveyor lacks sufficient water supply to satisfy the needs of the subject property and customer of Water Purveyor.

**5. Change of Service.**

Las Virgenes may terminate this consent when Las Virgenes is able to service the subject property. Customer shall forthwith make application to become a customer.

of Las Virgenes when notice of service termination is given. Customer shall satisfy the conditions of Las Virgenes' service, including payment of fees, change and tender of deposits before the effective date of termination.

**6. Effective Date.**

This agreement is effective on the date first above written and terminates when Customer of Las Virgenes.

**Customer:**

M.H.A.B. Trust

Grant Adamson

[Name]

Grant Adamson, Co-Trustee

[Print or Type Name]

**Water Purveyor:**

Los Angeles County  
Water Works District 29

Shawn Daniel

[Name]

Shawn Daniel

[Print or Type Name]

Area Engineer

**Las Virgenes Municipal Water District**

James E. Calhoun  
General Manager

Attest:

Open Peterson  
Secretary

Approved as to Form:

Adrian Lemay  
District Counsel

All signatures to be acknowledged

## Exhibit A

Lots 1, 2, 3 and 4 of Parcel Map 23897 recorded in Book 295 Pages 84 to 88 of official records of Los Angeles County.

The above described lots are also known by the following Los Angeles County Assessor Parcel Numbers:

Lot	APN
1	4457-003-017
2	4457-003-018
3	4457-003-019
4	4457-003-020

Also including the following "remainder parcels" which are adjacent to the above described parcels:

APN
4457-002-038
4457-003-016

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of LOS ANGELES

} ss.

On October 22, 2002, before me, HOWARD R. SPANIER, NOTARY PUBLIC

Date

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

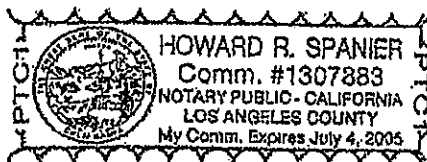
personally appeared GRANT ADAMSON

Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies); and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Place Notary Seal Above

Howard R. Spanier  
Signature of Notary Public

### OPTIONAL

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

#### Description of Attached Document

Title or Type of Document: Consent to Service Agreement

Document Date: 10/22/02

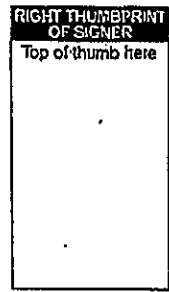
Number of Pages: 2 + exhibit

Signer(s) Other Than Named Above: 2

#### Capacity(ies) Claimed by Signer

- Signer's Name: \_\_\_\_\_
- Individual
  - Corporate Officer — Title(s): \_\_\_\_\_
  - Partner —  Limited  General
  - Attorney in Fact
  - Trustee
  - Guardian or Conservator
  - Other: CO-TRUSTEE

Signer is Representing: \_\_\_\_\_



### CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of LOS ANGELES

} ss.

On DECEMBER 4, 2002, before me, HOWARD R. SPANIER, NOTARY PUBLIC  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared SHAWN DANAEI

Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/hers/their authorized capacity(ies); and that by his/hers/their signature(s) on the instrument the person(s); or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

*Howard R. Spanier*  
Signature of Notary Public

Place Notary Seal Above

#### OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

#### Description of Attached Document

Title or Type of Document: Consent To Service Agreement

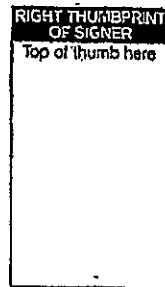
Document Date: 10/22/02 Number of Pages: 3

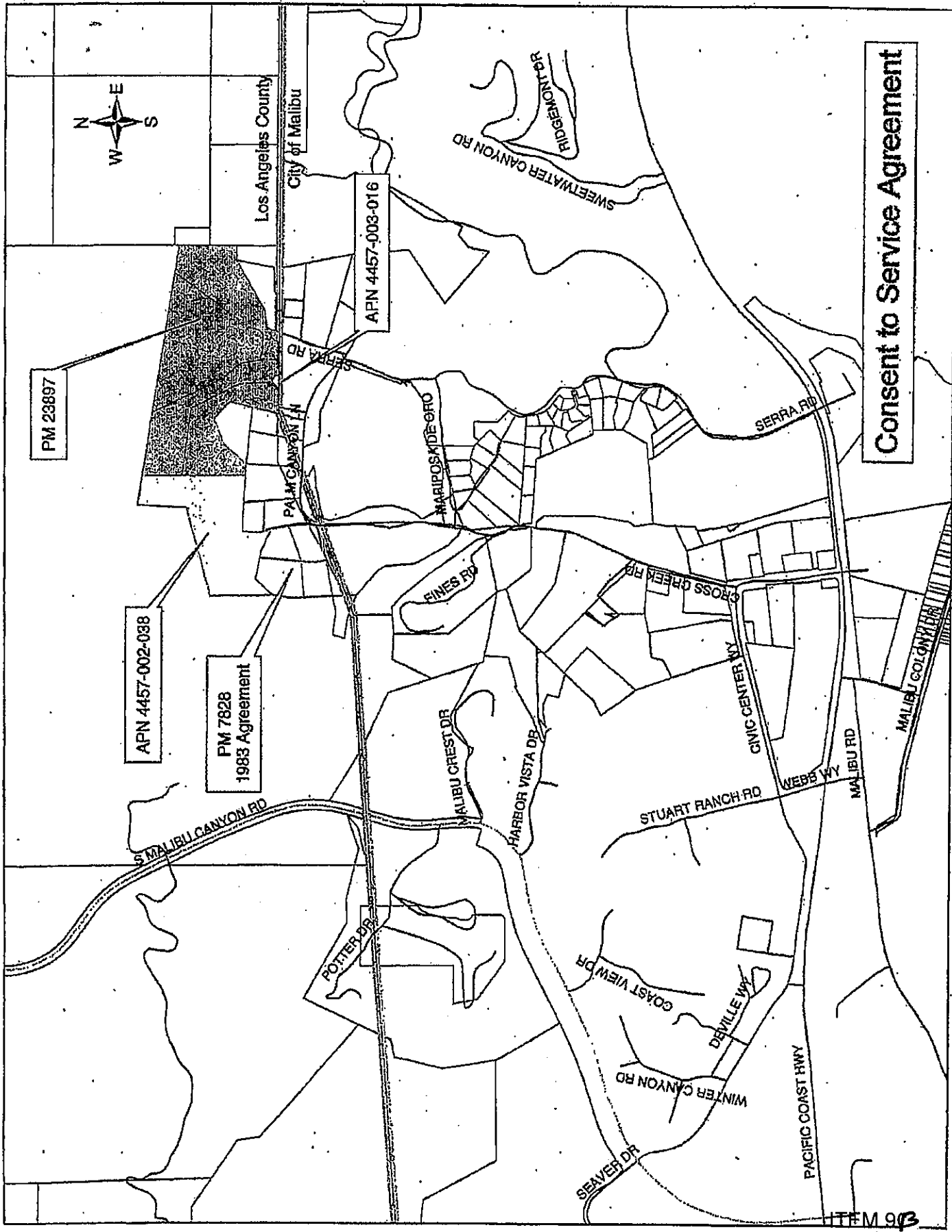
Signer(s) Other Than Named Above: \_\_\_\_\_

#### Capacity(ies) Claimed by Signer

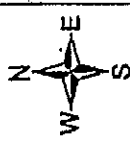
- Signer's Name: \_\_\_\_\_
- Individual
  - Corporate Officer — Title(s): \_\_\_\_\_
  - Partner —  Limited  General
  - Attorney in Fact
  - Trustee
  - Guardian or Conservator
  - Other: AREP MANAGER?

Signer Is Representing: L.A. County Waterworks Districts





Consent to Service Agreement



Los Angeles County  
City of Malibu

PM 23897

APN 4457-003-016

APN 4457-002-038

PM 7828  
1983 Agreement

ITEM 9(B)

JOINT RESOLUTION OF THE BOARD OF SUPERVISORS OF THE  
 COUNTY OF LOS ANGELES, THE BOARD OF DIRECTORS OF THE  
 LAS VIRGENES MUNICIPAL WATER DISTRICT, THE BOARD OF TRUSTEES OF  
 THE LOS ANGELES COUNTY WEST VECTOR & VECTOR-BORNE DISEASE  
 CONTROL DISTRICT, AND THE BOARD OF DIRECTORS OF THE RESOURCE  
 CONSERVATION DISTRICT OF THE SANTA MONICA MOUNTAINS APPROVING  
 AND ACCEPTING THE NEGOTIATED EXCHANGE OF PROPERTY TAX REVENUES  
 RESULTING FROM ANNEXATION OF PROPERTY DESIGNATED AS ANNEXATION  
 29-1, AS A PART OF LOCAL AGENCY FORMATION COMMISSION  
 REORGANIZATION 2009-16, TO LOS ANGELES COUNTY WATERWORKS  
 DISTRICT NO. 29, MALIBU

WHEREAS, pursuant to Section 99.01 of the Revenue and Taxation Code, in the case of any jurisdictional change that will result in a special district providing one or more services to an area where those services have not previously been provided by any local agency, the special district and each local agency that receives an apportionment of property tax revenue from the area may negotiate an exchange of property tax revenue generated in the area subject to the jurisdictional change and attributable to those local agencies; and

WHEREAS, the Board of Supervisors of the County of Los Angeles, acting on behalf of Los Angeles County Waterworks District No. 29, Malibu; County of Los Angeles Public Library; County of Los Angeles Road District No. 3; Consolidated Fire Protection District of Los Angeles County; and County of Los Angeles Flood Control District; together with the Board of Directors of the Las Virgenes Municipal Water District, the Board of Trustees of the Los Angeles County West Vector & Vector-Borne Disease Control District, and the Board of Directors of the Resource Conservation District of the Santa Monica Mountains, have determined that the amount of property tax revenue to be exchanged between their respective agencies as a result of the annexation proposal identified as Annexation 29-1 to Los Angeles County Waterworks District No. 29, Malibu, as a part of Local Agency Formation Commission Reorganization 2009-16, is as set forth:

NOW, THEREFORE, BE IT RESOLVED as follows:

1. The Los Angeles County Waterworks District No. 29, Malibu; County of Los Angeles Public Library; County of Los Angeles Road District No. 3; Consolidated Fire Protection District of Los Angeles County; County of Los Angeles Flood Control District; Las Virgenes Municipal Water District, Los Angeles County West Vector & Vector-Borne Disease Control District; and Resource Conservation District of the Santa Monica Mountains have determined that the amount of property tax revenue to be exchanged between their respective agencies as a result of the annexation proposal identified as Annexation 29-1 is approved and accepted.
2. For fiscal years commencing on or after July 1, 2014, or the July 1 after the effective date of this jurisdictional change, whichever is later, the property tax revenue increment generated from the area within Annexation 29-1 shall be allocated to the affected agencies as indicated in the enclosed worksheets (Exhibits A and B).
3. No transfer of property tax revenues other than those specified in Paragraph 2 shall be made as a result of Annexation 29-1.
4. If at any time after the effective date of this Joint Resolution the calculations used herein to determine initial property tax transfers or the data used to perform those calculations are found to be incorrect, thus producing an improper or inaccurate property tax transfer, the property tax transfer shall be recalculated, the corrected transfer shall be implemented for the next fiscal year, and any amounts of property tax received in excess of that which is proper shall be refunded to the appropriate agency.



PASSED, APPROVED, AND ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2014, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

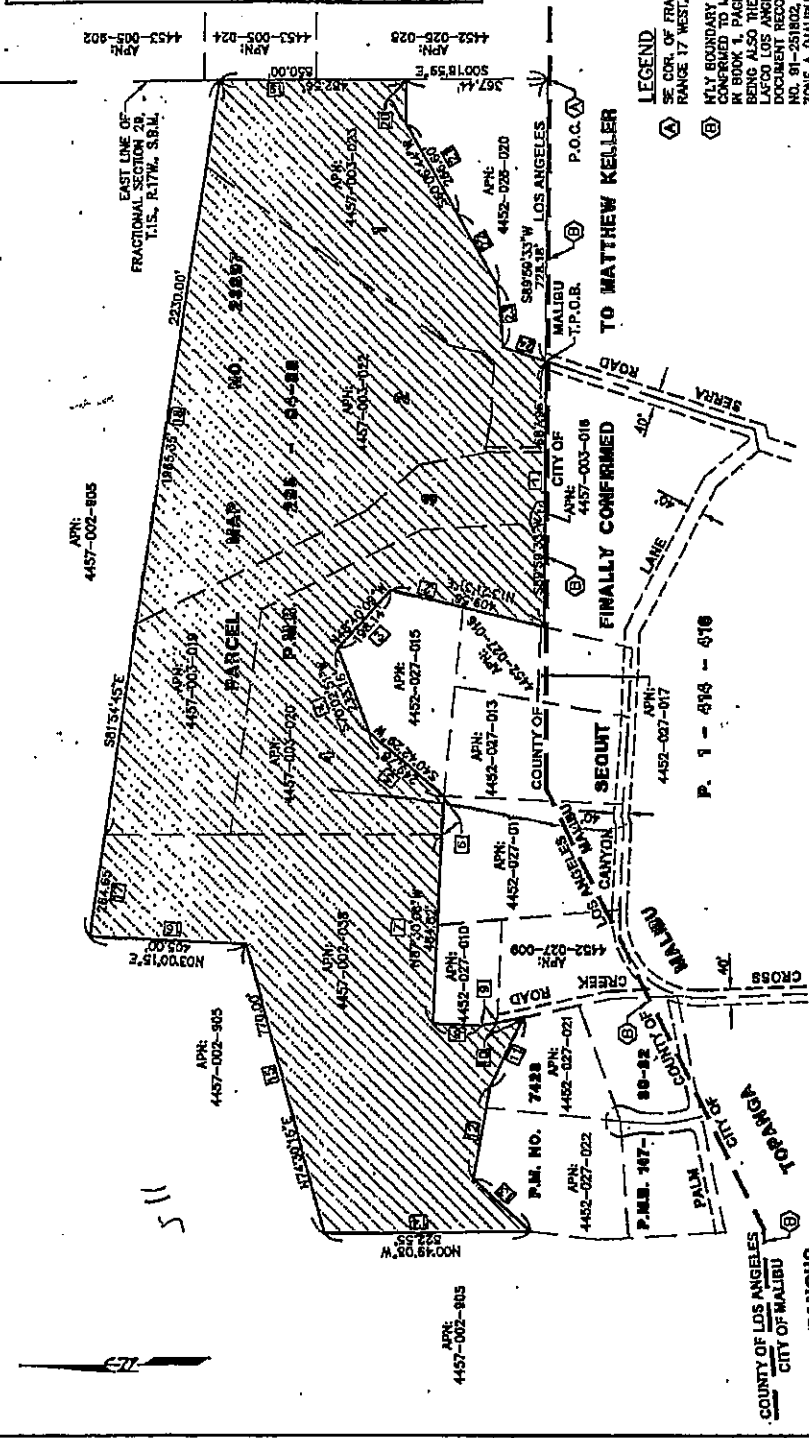
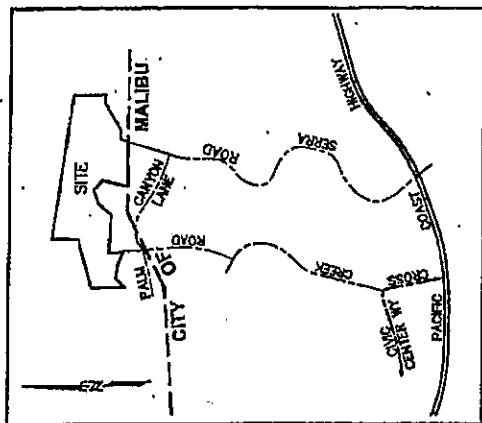
---

Chairperson, Board of Directors  
Las Virgenes Municipal Water District

ATTEST:

---

Secretary



**LEGEND**

- EXISTING CITY OF MALIBU AND LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 29 NORTHERLY BOUNDARY.
- ▨ PROPOSED ANNEXATION BOUNDARY 48.71 ACRES
- [ ] COURSE NUMBER IN LEGAL DESCRIPTION

**COURSE TABLE**

COURSE	BEARING	LENGTH
5	N87°30'06"W	100.00'
6	S02°29'54"W	122.10'
8	S11°38'06"E	40.05'
10	S11°35'08"E	69.85'
11	N6°41'8"W	197.80'
12	N80°01'40"W	239.58'
13	S42°19'30"W	189.03'
14	N89°48'14"W	115.91'
20	S58°10'44"W	208.74'
23	S84°14'04"W	162.99'
24	S18°01'44"W	118.04'

300 150 0 300  
 GRAPHING SCALE ( IN FEET )  
 1 inch = 300 ft.

**LEGEND**

- ⊙ SE COR. OF FRACTIONAL SECTION 29, TOWNSHIP 1 SOUTH, RANGE 17 WEST, S.B.M.
- ⊙ MLY BOUNDARY OF RANCHO TOPANGA MALIBU SECTRY, FINALLY CONFIRMED BY THE STATE OF CALIFORNIA IN 1911, AS SHOWN IN BOOK 1, PAGES 414 THROUGH 418, INCLUSIVE, OF RECORDS BEING ALSO THE MLY BOUNDARY OF THE CITY OF MALIBU PER LAFCO LOS ANGELES COUNTY CERTIFICATE OF COMPLETION DOCUMENT RECORDED ON FEBRUARY 21, 1991 AS INSTRUMENT NO. 81-251802, O.R.; AND BEING ALSO THE MLY BOUNDARY OF ZONE A (MALIBU COAST) OF THE LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 29 AS DESCRIBED IN A RESOLUTION PASSED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF LOS ANGELES DATED JUNE 30, 1988.

**LAND DESIGN CONSULTANTS, INC.**  
 Land Planning, Civil Engineering, Surveying & Environmental Services  
 199 South Los Robles Ave., Suite 250, Pasadena, California 91101  
 Ph: (626) 578-7000, Fax: (626) 578-7373  
<http://www.ldcla.com>

EXHIBIT "B"  
 (REORGANIZATION NO. 2009-16)  
 TO LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 29

APP	DD
DATE	29 OCT 2009
SCALE	1" = 300'
DESIGNED BY	SJA
CHECKED BY	SJA
DATE	29 OCT 2009
SHEET	1 OF 1

**Annexation To:** Waterworks District # 29, MALIBU MAINTENANCE

**Account No.:** 046.00

**TRA:** 8663

**Effective Date:** July 1, 2014

**Annexation Number:** 29-1, LAFCO 2009-16

0.005844856

Waterworks District # 29, Malibu  
Based on their 2012-13 Tax Sharing Ratios

Accnt No. Taxing Agency	(1) Current Tax Share	(2) = (1) / Total	(3) Proposed Dist Share	(4) = (2) * (3)	(5) Allocation Adjustments	(5a) Final Allocation Adjustment	(6) = (1) + (5) New Net Share
1.05 LOS ANGELES COUNTY GENERAL	0.352333958	35.2334%	0.005844856	0.002059341	-0.002107344	-0.000720961	0.351612997
1.20 L.A. COUNTY ACCUM CAP OUTLAY	0.000122130	0.0122%	0.005844856	0.000000714	0.000000000	0.000000481	0.000122611
3.01 L.A. COUNTY LIBRARY	0.025441069	2.5441%	0.005844856	0.000148699	-0.000148699	-0.000048592	0.025392477
5.15 ROAD DISTRICT #3	0.006280353	0.6280%	0.005844856	0.000036708	-0.000036708	-0.000011995	0.006268358
7.30 CONSOL. FIRE PRO.DIST.OF L.A.CO.	0.187944811	18.7845%	0.005844856	0.001097926	-0.001097926	-0.000358784	0.187486027
7.31 L A C FIRE-FFW	0.008090651	0.8091%	0.005844856	0.000047289	-0.000047289	-0.000015453	0.008075198
30.10 L.A.CO.FL.CON.DR.IMP.DIST.MAINT.	0.001926325	0.1926%	0.005844856	0.000011259	-0.000011259	-0.000003679	0.001922646
30.70 LA CO FLOOD CONTROL MAINT	0.010901560	1.0902%	0.005844856	0.000063718	-0.000063718	-0.000020822	0.010880738
61.10 LA CO WEST VECTOR CONTROL DIST.	0.000271214	0.0271%	0.005844856	0.000001585	-0.000001585	-0.000000518	0.000270696
68.22 RCD OF THE SANTA MONICA MTS	0.000803341	0.0803%	0.005844856	0.000004695	-0.000004695	-0.000001534	0.000801807
363.05 LAS VIRGENES MUN WATER DISTRICT	0.000788891	0.0789%	0.005844856	0.000004611	-0.000004611	-0.000788891	0.000000000
363.15 LAS VIRGENES MUN W. DIS-IMP D.#14	0.003167458	0.3167%	0.005844856	0.000018513	-0.000018513	-0.003167458	0.000000000
400.00 EDUCATIONAL REV AUGMENTATION FD	0.064283292	6.4283%	0.005844856	0.000375727	Exempt	0.000252945	0.064536237
400.01 EDUCATIONAL AUG FD IMPOUND	0.131877650	13.1878%	0.005844856	0.000770806	Exempt	0.000518919	0.132396569
400.15 COUNTY SCHOOL SERVICES	0.001515153	0.1515%	0.005844856	0.000008956	Exempt	0.000005962	0.001521115
400.21 CHILDREN'S INSTIL TUITION FUND	0.003007015	0.3007%	0.005844856	0.000017576	Exempt	0.000011832	0.003018847
810.04 SANTA MONICA COMMUNITY COLLEGE D	0.039521380	3.9521%	0.005844856	0.000230997	Exempt	0.000155511	0.039676891
931.03 SANTA MONIC-MALIBU UNIF SCH DIST	0.159897599	15.9898%	0.005844856	0.000934578	Exempt	0.000629174	0.160526773
931.06 CO. SCH. SERV. FD.-SNTA MON-MLBU	0.000418986	0.0419%	0.005844856	0.000002449	Exempt	0.000001649	0.000420635
931.07 DEV CTR HDCPD MINOR-STA MON-MLBU	0.000557373	0.0557%	0.005844856	0.000003258	Exempt	0.000002193	0.000559566
931.20 SNTA MON-MLBU=CHILDRENS CTR. FD.	0.000949791	0.0950%	0.005844856	0.000005551	Exempt	0.000003737	0.000953528
<b>046.00 Waterworks Dist # 29 MALIBU MAINT</b>	<b>0.000000000</b>	<b>0.0000%</b>	<b>0.005844856</b>	<b>0.000000000</b>	<b>0.000000000</b>	<b>0.000000000</b>	<b>0.003556286</b>
<b>Total</b>	<b>1.000000000</b>	<b>100.0000%</b>	<b>0.005844856</b>	<b>0.005844856</b>	<b>-0.003542348</b>	<b>-0.003556286</b>	<b>1.000000000</b>

(1) Current share as reflected in the Auditor's ATI distribution in AF 49. Must total 1.000000000.

(2) Must total 100%.

(3) Weighted average waterworks district share as verified by Auditor.

(4) Must total share reflected in Column (3).

(5) Reflects exemption for school entities and County general fund obligation for debt service and FFW.

(6) Final share distributions to be reflected in tax transfer resolution.

HM 90 W

Waterworks District # 29, MALIBU CAP OUT  
 51.00  
 8683  
 July 1, 2014  
 29-1, LAFCO 2009-16  
 0.015322774

Annexation To:  
 Account No.  
 TRA:  
 Effective Date:  
 Annexation Number:  
 Waterworks District # 29, Malibu  
 Based on their 2012-13 Tax Sharing Ratios

Accnt No.	Taxing Agency	(1) Current Tax Share	(2) = (1) / Total Percent	(3) Proposed Dist Share	(4) = (2) * (3) Alloc of Dist Share	(5) Allocation Adjustments	(6) = (1) + (5) New Net Share
1.05	LOS ANGELES COUNTY GENERAL	0.351612997	35.1613%	0.015322774	0.005387686	-0.005513300	0.346099697
1.20	L.A. COUNTY ACCUM CAP OUTLAY	0.000122611	0.0123%	0.015322774	0.000001879	0.000000000	0.000122611
3.01	L.A. COUNTY LIBRARY	0.025392477	2.5392%	0.015322774	0.000389083	-0.000389083	0.025003393
5.15	ROAD DISTRICT # 3	0.006268358	0.6268%	0.015322774	0.000096049	-0.000096049	0.006172309
7.30	CONSOL. FIRE PRO.DIST.OF L.A.CO.	0.187486027	18.7486%	0.015322774	0.002872806	-0.002872806	0.184613221
7.31	L A C FIRE-FEW	0.008075198	0.8075%	0.015322774	0.000123734	0.000000000	0.008075198
30.10	L.A.CO.FL.CON.DR.IMP.DIST.MAINT.	0.001922646	0.1923%	0.015322774	0.000029460	-0.000029460	0.001893185
30.70	LA CO FLOOD CONTROL MAINT	0.010880738	1.0881%	0.015322774	0.000166723	-0.000166723	0.010714015
46.00	WATERWORKS DIST #29 - MALIBU MAINT	0.003556286	0.3556%	0.015322774	0.000054492	-0.000054492	0.003501794
61.10	LA CO WEST VECTOR CONTROL DIST.	0.000270696	0.0271%	0.015322774	0.000004148	-0.000004148	0.000266548
68.22	RCD OF THE SANTA MONICA MTS	0.000801807	0.8002%	0.015322774	0.000012286	-0.000012286	0.000789521
363.05	LAS VIRGENES MUN WATER DISTRICT	0.000000000	0.0000%	0.015322774	0.000000000	0.000000000	0.000000000
363.15	LAS VIRGENES MUN W. DIS-IMP.D.#14	0.000000000	0.0000%	0.015322774	0.000000000	0.000000000	0.000000000
400.00	EDUCATIONAL REV AUGMENTATION FD	0.064536237	6.4536%	0.015322774	0.000988874	Exempt	0.064536237
400.01	EDUCATIONAL AUG FD IMPOUND	0.132396569	13.2397%	0.015322774	0.002028683	Exempt	0.132396569
400.15	COUNTY SCHOOL SERVICES	0.001521115	0.1521%	0.015322774	0.000023308	Exempt	0.001521115
400.21	CHILDREN'S INSTIL TUITION FUND	0.003018847	0.3019%	0.015322774	0.000046257	Exempt	0.003018847
810.04	SANTA MONICA COMMUNITY COLLEGE D	0.039678891	3.9677%	0.015322774	0.000607960	Exempt	0.039678891
931.03	SANTA MONIC-MALIBU UNIF SCH DIST	0.160526773	16.0527%	0.015322774	0.002459715	Exempt	0.160526773
931.06	CO. SCH. SERV. FD.-SNTA MON-MLBU	0.000420635	0.0421%	0.015322774	0.000006445	Exempt	0.000420635
931.07	DEV CTR HDCPD MINOR-STA MON-MLBU	0.000559566	0.0560%	0.015322774	0.000008574	Exempt	0.000559566
931.20	SNTA MON-MLBU=CHILDRENS CTR. FD.	0.000953528	0.0954%	0.015322774	0.000014611	Exempt	0.000953528
051.00	Waterworks Dist # 29 CAP OUT	0.000000000	0.0000%	0.015322774	0.000000000	0.000000000	0.009138347
<b>Total</b>		<b>1.000000000</b>	<b>100.0000%</b>		<b>0.015322774</b>	<b>-0.009138347</b>	<b>1.000000000</b>

(1) Current share as reflected in the Auditor's ATI distribution in AF 49. Must total 1.000000000.  
 (2) Must total 100%.  
 (3) Weighted average waterworks district share as verified by Auditor.  
 (4) Must total share reflected in Column (3).  
 (5) Effects exemption for school entities and County general fund obligation for debt service and FFW.  
 (6) Final share distributions to be reflected in tax transfer resolution.

M 9B



April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

**Subject: Update of Las Virgenes Municipal Water District Code: Review Session No. 1**

**SUMMARY:**

This item involves the review of proposed updates to Title 1, General Provisions, of the Las Virgenes Municipal Water District Code. Attached for reference are copies of proposed and existing versions of Title 1, General Provisions.

**RECOMMENDATION(S):**

Review the proposed updates to Title 1, General Provisions, of the Las Virgenes Municipal Water District Code and provide feedback to staff and the District's Legal Counsel.

**DISCUSSION:**

Background:

On November 12, 2013, the Board approved the District's Fiscal Year 2013-14 Tactical Actions and Activities proposed within the broader framework of the Strategic Plan Goals and Objectives. Among the various tactical actions and activities was to update the Las Virgenes Municipal Water District Code (Code). The purpose of the update is three-fold: (1) modernization of the language; (2) elimination of potential inconsistencies; and (3) consolidation of related provisions.

Proposed Process:

Staff proposed to approach the task by dividing the Code into smaller parts that can be reviewed and discussed with the Board individually, allowing for a more in-depth review. Staff and the District's Legal Counsel would review portions of the Code, identify any proposed updates, and review them with the Board at the second regular Board meeting of each month. At the meeting, Board Members would provide feedback and input for staff to incorporate prior to moving on to the next part of the Code.

The proposed revisions to the Code would remain in draft form until completion of the entire review process. Upon completion, the Board, with assistance from staff and Legal Counsel, would have an opportunity to review the proposed version of the Code in its entirety prior to preparation of a resolution to formally adopt it.

Prepared By: David W. Pedersen, General Manager

**ATTACHMENTS:**

Title 1, General Provisions - Current

Title 1, General Provisions - Proposed

**TITLE 1 - GENERAL PROVISIONS**

**CHAPTER 1 - ADOPTION OF CODE**

1-1.101 **TITLE**

This Code shall be known as the "Las Virgenes Municipal Water District Code". It shall be sufficient to refer to this Code as the Las Virgenes Municipal Water District Code in any prosecution for violation of any provision hereof. It shall also be sufficient to designate any ordinance adding to, amending, or repealing the provisions of this Code as an addition to, or amendment to, or a repeal of, the Las Virgenes Municipal Water District Code, or portion thereof.

Except as otherwise provided in this Code, this Code consists of all regulatory, penal and administrative laws of general application of Las Virgenes Municipal Water District, codified pursuant to the authority set forth in the Municipal Water District Law of 1911 and particularly Section 71281 thereof and pursuant to the authority set forth in Article 2 of Chapter 1, Part 1 of Division 1 of Title 5 of the Government Code of the State of California.

1-1.102 **CONSTRUCTION AND INTERPRETATION OF CODE**

All provisions of this Code and all district ordinances and resolutions shall be interpreted to refer to the appropriate or designated officer or office of the district, and whenever an ordinance, uniform code, statute, or other matter, which is adopted by reference refers to any department, officer, employee, inspection, or other function, unless the context requires otherwise, all such references shall be to the appropriate or designated office, officer, agency, employee, or function of the district.

1-1.103 **EFFECTIVE CODE ON PAST ACTIONS AND OBLIGATIONS**

Neither the adoption of this Code nor the repeal of any ordinance or resolution of the district by this Code shall in any manner affect the prosecution for violations of ordinances or resolutions, which violations were committed prior to the effective date of this Code nor be construed as a waiver of any fee or penalty on such effective date due and unpaid under such ordinances or resolutions, nor be construed as affecting any of the provisions of such ordinances or resolutions relating to the collection of any such fees or penalties or the penal provisions applicable to the violation of such ordinances or resolutions, nor to effect the validity of any bond or cash deposit required to be posted, filed, or deposited pursuant to any ordinance or resolution, and all vested rights and obligations pertaining to such ordinances or resolutions shall continue in full force and effect.

1-1.104 REFERENCES TO SPECIFIC ORDINANCES

The provisions of this Code shall not in any manner effect deposits or other matters of record which refer to, or are otherwise connected with, ordinances or resolutions which are specifically designated by number or otherwise and which are included within this Code, but such references shall apply to the corresponding provisions set forth in this Code.

1-1.105 MAINTENANCE OF CODE

At least three copies of this Code, duly certified by the Secretary, shall be maintained on file in the district offices as the official copies of this Code. Additional copies of this Code shall be distributed to the departments of the district as prescribed by the General Manager.

Duly certified copies of each ordinance making a change in this Code shall be filed in the office of the Secretary in books for such purpose, properly indexed for ready reference.

At least quarterly, the Secretary shall cause the loose-leaf pages of this Code in which changes have been made to be reproduced, including a notation as to the ordinance number and date on which such change is adopted, and distributed so that the loose-leaf copies of this Code, prepared for the use and convenience of the officers and employees of the district and the general public may be brought up to date.

## CHAPTER 2 - RULES OF CONSTRUCTION

### 1-2.101 SCOPE

Unless the provisions of this Code otherwise specifically provide, or the context of this Code indicates to the contrary, the general provisions, rules of construction, and definitions set forth in this chapter shall govern the construction of this Code. The provisions of this Code and all proceedings under it are to be construed with a view to affect its object and to promote justice.

### 1-2.102 STATEMENT AND CONTINUATIONS

The provisions of this Code insofar as they are substantially the same as existing ordinances or resolutions relating to the same subject matter, shall be construed as restatements and continuations and not as new enactments.

### 1-2.103 TENURE OF OFFICERS

All persons who, at the time this Code takes effect, hold office under any of the ordinances or resolutions repealed by this Code, which offices are continued by this Code, shall continue to hold such offices in accordance with the tenure originally granted to such persons.

### 1-2.104 EFFECT OF HEADINGS

Title, Chapter, Article, and Section headings contained in this Code shall not be deemed to govern, limit, modify, or in any manner effect the scope, meaning, or intent of the provisions of any Title, Chapter, Article, or Section of this Code.

### 1-2.105 REFERENCES TO ACTS OR OMISSIONS WITHIN THE DISTRICT

The provisions of this Code shall refer only to the omission or commission of acts within the territorial limits of the district and to the territory outside the district over which the district has jurisdiction or control by virtue of the Constitution of the State or any law, or by reason of ownership or control of property.

### 1-2.106 ACTS BY DEPUTIES

Whenever a power is granted to, or a duty is imposed upon, a public officer or employee, the power may be exercised or the duty may be performed by the deputy of such officer or employee or by a person otherwise duly authorized pursuant to law, ordinance, or resolution unless this Code expressly provides otherwise.



1-2.107 REFERENCES TO ORDINANCES OR RESOLUTIONS

Whenever any reference in this Code is made to an ordinance or resolution, the reference shall apply to such ordinance or resolution of the district unless this Code expressly provides otherwise. Whenever any reference is made to any portion of this Code, or to any ordinance or resolution of the district, the reference shall apply to all amendments and additions made to this Code.

1-2.108 NOTICES

Whenever a notice is required to be given pursuant to the provisions of this Code, unless different provisions are otherwise specifically set forth in the text of this Code, such notice may be given either by personal delivery thereof to the person to be notified or by deposit in the United States Mail in a sealed envelope, postage prepaid, addressed to such person to be notified at his last known business or residence address as the same appears in the public records of the district or other records pertaining to the matter to which the notice is directed. Service by mail shall be deemed to have been completed at the time the notice is deposited in the Post Office.

Proof of giving any notice is required to be given pursuant to the provisions of this Code may be made by the certificate of any officer or employee of the district or by the affidavit of any person over the age of 18 years, which affidavit shows service in conformity with the provisions of this Code or other provisions of law applicable to the subject matter concerned.

1-2.109 SEVERABILITY

If any section, sub-section, sentence, clause or phrase of this Code is, for any reason, held to be invalid or unconstitutional, such decisions shall not affect the validity of the remaining portions of the Code. The Board hereby declares that it would have passed this Code by section, sub-section, sentence, clause, and phrase thereof, irrespective of the fact that any one or more other sections, sub-sections, sentences, clauses, or phrases be declared invalid or unconstitutional.

1-2.110 STATUTE OF LIMITATIONS

Whenever a limitation or a period of time prescribed in any existing ordinance, resolution, or statute for acquiring a right or buying a remedy, or for any other purpose, has begun to run before this Code goes into effect, the time which has already run shall be deemed a part of the time prescribed as such limitation.

1-2.111 GENDER

Use of masculine gender includes feminine gender.

1-2.112

DEFINITIONS

For the purposes of this Code, unless otherwise apparent from context, certain words and phrases use in this Code are defined as follows:

- (a) "Board" refers to the Board of Directors of the district.
- (b) "Director" refers to a member of the Board.
- (c) "District" refers to Las Virgenes Municipal Water District.
- (d) "Employee" refers to a district employee.
- (e) "General Manager" refers to the General Manager of the district.
- (f) "Person" refers to any person, firm or corporation.
- (g) "President" refers to the President of the Board.
- (h) "Vice President" refers to the Vice President of the Board.
- (i) "Secretary" refers to the Secretary of the Board.
- (j) "Treasurer" refers to the Treasurer of the Board.
- (k) "State" shall mean the State of California
- (l) "Section" shall mean a section of this code unless other source is specifically mentioned.
- (m) "Quarterly" where used to designate a period of time, shall mean the first three calendar months of any given year or any succeeding period of three calendar months.
- (n) "Writing" includes any form of recorded message capable of comprehension by ordinary visual means. Whenever any notice, report, statement or record is required or authorized by this Code, such notice, report, statement or record shall be made in writing in the English language unless this Code expressly provides otherwise.

**TITLE 1 - GENERAL PROVISIONS****ARTICLE 1 - ADOPTION OF CODE****1.101 TITLE**

This Code is the "Las Virgenes Municipal Water District Code". It shall be sufficient to refer to this Code as the District Code in a prosecution for violation. An ordinance or resolution adding to, amending, or repealing this Code may be styled as an addition to, or amendment to, or a repeal of, the District Code.

The District Code consists of regulatory, penal, and administrative laws of general application of Las Virgenes Municipal Water District, codified pursuant to the authority of the Municipal Water District Law of 1911, particularly Section 71281.

**1.102 CONSTRUCTION AND INTERPRETATION OF CODE**

This Code, ordinances, and resolutions shall be interpreted to refer to the appropriate or designated officer or office of the District. When an ordinance, uniform code, statute, or other matter, which is adopted by reference refers to any department, officer, employee, inspection, or other function, unless the context requires otherwise, such references shall be to the appropriate or designated office, officer, agency, employee, or function of the District.

**1.103 EFFECTIVE CODE ON PAST ACTIONS AND OBLIGATIONS**

The adoption of this Code or the repeal of an ordinance or resolution of the District by this Code: (a) shall not affect the prosecution for violations of ordinances or resolutions committed prior to the effective date of this

Code, (b) not be construed as a waiver of a fee or penalty on such effective date due and unpaid under such ordinances or resolutions, (c) not be construed as affecting provisions of such ordinances or resolutions relating to the collection of fees or penalties or the penal provisions applicable to the violation of such ordinances or resolutions, (d) shall not affect the validity of bonds or cash deposits required to be posted, filed, or deposited pursuant to an ordinance or resolution, and vested rights and (e) obligations pertaining to such ordinances or resolutions shall continue in full force and effect.

**1.104 REFERENCES TO SPECIFIC ORDINANCES**

This Code shall not affect deposits or other matters of record connected with ordinances or resolutions specifically designated by number or otherwise, and included within this Code, but such references shall apply to the corresponding provisions of this Code.

**1.105 MAINTENANCE OF CODE**

At least quarterly, the Secretary will distribute Code revisions to employees through the District's intranet.

**ARTICLE 2 - RULES OF CONSTRUCTION****1.201 SCOPE**

The general provisions, rules of construction, and definitions set forth in this chapter govern the construction of this Code. This Code and proceedings under it are to be construed with a view to affect its object and to promote justice.

**1.202 STATEMENT AND CONTINUATIONS**

This Code, insofar as substantially the same as existing ordinances or resolutions relating to the same subject matter, shall be construed as restatements and continuations and not as new enactments.

**1.203 TENURE OF OFFICERS**

Persons who, at the time this Code takes effect, hold office under any of the ordinances or resolutions repealed by this Code shall continue to hold such offices in accordance with the tenure originally granted if the offices are continued by this Code.

**1.204 EFFECT OF HEADINGS**

Headings in this Code shall not govern, limit, modify, or affect the scope, meaning, or intent of this Code.

**1.205 REFERENCES TO ACTS OR OMISSIONS WITHIN THE DISTRICT**

This Code refers only to the omission or commission of acts over which the District has jurisdiction by virtue of law or by reason of ownership or control of property.

**1.206 ACTS BY DEPUTIES**

Deputies may be appointed by officers to fulfill some or all duties of the office. The appointment shall be written and a copy filed with the secretary. The appointment shall state the powers which may be exercised and the appointment shall be for a stated term not longer than the term of the office of the principal.

**1.207 REFERENCES TO ORDINANCES OR RESOLUTIONS**

Reference in this Code to an ordinance or resolution shall apply to such ordinance or resolution of the District unless this Code expressly provides otherwise. Reference to a portion of this Code, ordinance, or resolution of the District shall apply to amendments and additions to this Code.

**1.208 NOTICES**

When a notice is required to be given pursuant to this Code, such notice may be given either by personal delivery thereof to the person to be notified or by deposit in the United States Mail in a sealed envelope, postage prepaid, addressed to such person to be notified at his last known business or residence address as the same appears in the public records of the District or other records pertaining to the matter to which the notice is directed. Service by mail shall be deemed to have been completed at the time the notice is deposited in the Post Office.

Proof of giving notice may be made by the certificate of an officer or employee of the District or by the affidavit of a person over the age of 18 years showing service in conformity with this Code or other applicable law.

**1.209 STATUTE OF LIMITATIONS**

Whenever a limitation or a period of time prescribed in any existing ordinance, resolution, or statute for acquiring a right or buying a remedy, or for any other purpose, has begun to run before this Code goes into effect, the time which has already run shall be deemed a part of the time prescribed as such limitation.

**1.210 DEFINITIONS**

Unless otherwise apparent from context, certain words and phrases used in this Code are defined as follows:

- (a) "Board" refers to the Board of Directors of the District.
- (b) "Deputy" means a person appointed by an official to exercise all or some of the officer's powers.
- (c) "Director" refers to a member of the Board.
- (d) "District" refers to Las Virgenes Municipal Water District.
- (e) "Employee" refers to a District employee.
- (f) "General Manager" refers to the General Manager of the District.
- (g) "Person" refers to any person, firm or corporation.
- (h) "President" refers to the President of the Board.

- (i) "Vice President" refers to the Vice President of the Board.
- (j) "Secretary" refers to the Secretary of the Board.
- (k) "Treasurer" refers to the Treasurer of the Board.
- (l) "State" shall mean the State of California.
- (m) "Section" shall mean a section of this Code.
- (n) "Quarterly" where used to designate a period of time, shall mean the first three calendar months of any given year or any succeeding period of three calendar months.
- (o) "Writing" includes any form of recorded message capable of comprehension by ordinary visual means, including by computer display.





INFORMATION ONLY

April 22, 2014 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

**Subject: Backbone Improvement Program 5-Million-Gallon Tank Project: Summary of April 10th Information Session and Follow-Up Activities**

**SUMMARY:**

**Background:**

On April 10, 2014, the District held an information session on blasting methods and controls for the construction of the 5-Million-Gallon Tank Project at the First Neighborhood Community Center. The meeting included a total of 46 attendees, consisting of three Westlake Village City Council Members, all five District Board Members, 13 District staff and construction team members, one reporter, one City staff representative, and 23 residents.

**Summary of Meeting Presentations:**

Presentations were made by General Manager David Pedersen, Principal Engineering Geologist/Geotechnical Engineer Thomas F. Blake, and Principal Engineering Geologist Craig D. Prentice. Messrs. Blake and Prentice are employees of Fugro Consultants, Inc. and provided engineering geology expertise for the project; copies of their resumes are attached for reference. Additionally, Board President Charles Caspary read a statement on behalf of the Board to support a safe and professional work environment for the District's employees.

General Manager Pedersen reviewed the format and content of the meeting, provided an update on construction work completed to-date, reviewed the upcoming work activities, acknowledged concerns expressed by residents including those related to dam safety and blasting, provided an explanation of the approval process for blasting, and introduced Messrs. Blake and Prentice.

Mr. Blake explained the scope of his involvement in the project and the need for blasting, provided information on modern/conventional blasting, described the measures to be taken to ensure the blasting is performed safely, and cited his experience with other similar projects involving blasting work. Mr. Prentice explained the scope of his involvement in the project, provided general information about the main and saddle dams, discussed key issues related to dam safety, explained how we know that the work will be performed safely, and described the Division of Safety of Dams' finding with regard to the work.

The prepared portion of the meeting was concluded by General Manager Pedersen with an overview of the soil sampling and testing performed by Dr. Richard F. Hector of the University of California San Francisco Global Health Sciences Department to evaluate concerns with "Valley Fever". A copy of Dr. Hector's two reports and the results of 32 soil samples that tested negative for DNA associated with "Valley Fever" are attached for reference.

**Question and Answer Session:**

A lengthy question and answer session followed including discussion on a wide variety of topics. ~~IT 5/14/14~~

questions and comments were repeated by multiple attendees and warrant additional information and/or follow-up. First, a number of attendees asked about the District's preparedness for an emergency affecting the Three Springs Community and, specifically, asked about the means to be used for notification of residents. Second, several attendees continued to express concern with "Valley Fever" and cited the length of time since the soil sampling was performed and that the sampling was completed following a wet period.

#### Emergency Preparedness:

With regard to emergency preparedness, the District has a detailed Emergency Response Plan (ERP) to provide a standardized response and recovery protocol to prevent, minimize, and mitigate injury and damage resulting from emergencies or disasters of man-made or natural origin. The ERP was last updated on October 30, 2013 and includes 14 specific actions plans for potential events such as power outages, earthquakes, water supply outages, and/or contamination of the water supply.

The District also periodically participates in regional emergency response exercises to ensure staff preparedness. The most recent emergency response exercise was performed on November 5, 2013 and included interactions with the Los Angeles Department of Water and Power, Metropolitan Water District of Southern California, California Department of Water Resources, California Division of Safety of Dams, Los Angeles Regional Water Quality Control Board and the Federal Emergency Management Agency.

Additionally, the District completed a vulnerability assessment in 2003 of its critical drinking water system facilities, including those at the Las Virgenes Reservoir site, as required by the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. The vulnerability assessment consisted of evaluating the susceptibility of the water system to potential threats and identifying corrective actions to reduce or mitigate the consequences. This effort resulted in a number of emergency preparedness improvements for the District.

#### Emergency Communications/Notification of Residents:

The District's ERP includes detailed communication procedures to be followed in the event of an emergency. Specific contact information is included in the ERP for local, regional and state officials including the Westlake Village City Manager, Los Angeles County Sheriff's Department, Los Angeles County Fire Department, California Highway Patrol, Office of Emergency Services, Las Virgenes Unified School District and media outlets.

Additionally, the District utilizes the "Call-Em-All" Automated Calling Service, which can reach thousands of District customers via phone in a matter of minutes. Currently, the District has at least one phone number for 98% (473 of 481) of Three Springs customers and email addresses for 45% (215 of 481) of the same. Many customers in Three Springs have multiple phone numbers on file with the District. Staff proposes to initiate an effort to obtain phone numbers for the remaining Three Springs customers and to expand its email address database.

#### "Valley Fever" Concern:

A total of 32 soils samples, including 15 directly where the tank is currently being constructed, were collected on November 22, 2011, and analyzed at the University of California Davis Laboratory. None of the samples tested positive for the DNA associated with "Valley Fever".

In his December 5, 2011, Dr. Hector noted that the samples were collected two days following a rain event of approximately 0.8 inches. Although the report did cite research showing a decline in incidences of "Valley Fever" following the onset of a heavy rainy season, the decline was attributed to that fact that contaminated soils were less able to become aerosolized rather than the impact of the moisture itself on the fungus.

Nevertheless, staff has contacted Dr. Hector to obtain clarification on whether the rain event prior to the soil sampling could have affected the results. Additionally, staff has asked Dr. Hector if the length of time since the samples were collected, approximately 2.5 years, is a concern with the applicability of the results to current-day conditions.

Finally, the implementation of dust control measures for the construction project, as done for other construction projects in the area such as the Lindero Canyon Road Bridge Project, will minimize TEM 11A

potential risk of exposure to "Valley Fever", irrespective of the soil sample test results. Dr. Hector's assessment of the project site concluded that watering to control the dispersal of dust would be effective as the rocky soil is easily penetrated by water. Currently, the Contractor is applying water for dust control using two water trucks.

Proposed Next Steps:

Staff proposes to follow-up on the items described above and to provide the information to the community. An updated project flyer with information on these topics is being prepared and will be mailed to all Three Springs customers shortly. Additionally, staff will individually contact the meeting attendees who provided their contact information to ensure that they receive the information. Finally, the District's website will be updated with the information.

Prepared By: David W. Pedersen, General Manager

**ATTACHMENTS:**

Thomas F. Blake Resume

Craig D. Prentice Resume

Dr. Richard F. Hector Report - December 5, 2011

Dr. Richard F. Hector Report - March 21, 2012

## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

#### Education:

MS Geology, California State University, Northridge, 1981

BS Geology, California State University, Northridge, 1974

Completed over 33 postgraduate continuing education seminars and workshops.

#### Professional Registration:

Professional Geologist No. 3594, California, 1980

Certified Engineering Geologist No. 1062, California, 1980

Registered Civil Engineer No. 32825, California, 1981

Registered Geotechnical Engineer No. 2003, California, 1987

Certified Professional Geological Scientist No. 6011, 1982

California Community College Instructor Credential, 1981

#### Experience:

Since 1975, Mr. Blake has served as the responsible engineering geologist and/or civil engineer for a variety of projects in California, other states, and around the world. His project experience includes residential and commercial developments, dams, nuclear power plants, onshore and offshore oil and gas processing and storage facilities, pipelines, port facilities, transportation and communication facilities, and waste management projects. That experience includes both reconnaissance and detailed studies of landslides, fault activity, foundation conditions, slope stability, ground water availability, and seismic risk. Mr. Blake also serves as an expert witness on legal cases, primarily in southern California. Mr. Blake is experienced in the use of computers for geologic/geotechnical analysis and is the author of a number of published computer programs including: EQFAULT, EQSEARCH, FRISKSP, LIQUEFY2, UBCSEIS, and CONESET.

#### Fault Studies:

- **Fault Trenching and CPT-Based Fault Studies for Institutional Buildings and Transportation Projects.** Conducted numerous fault studies associated with hospitals, university buildings, public buildings, residential developments, and transportation and water infrastructure projects. Project examples include:
  - San Joaquin Residence Apartments and Precinct Improvements Planning Study – More Ranch fault
  - Coroners Facility, Ventura County Medical Center – Ventura fault
  - Colston Center Improvements, Ventura County Medical Center – Ventura fault
  - Avenue S Shell Station, Palmdale – San Andreas fault
  - Todd Road Jail, Santa Paula – Oakridge fault
  - Pleasant Valley Water District, Camarillo – Simi-Santa Rosa fault
  - Lewis Road Overhead, Camarillo – Simi-Santa Rosa fault
  - Springville Interchange, Camarillo – Simi-Santa Rosa Fault
  - Ventura County Juvenile Justice Center, Oxnard – Oakridge fault

#### Legal Services and Third-Party Reviews:

- **Forensic Investigations and Expert Witness Testimony.** Mr. Blake has performed forensic investigations, and provided expert consultation and testimony for over 80 projects since 1988. Those projects included issues relating to landslides, slope stability, rock-fall hazards, static settlement, seismic settlement, construction-vibration damage, expansive soils, collapsible soils, grading and compaction, retaining walls, erosion, groundwater, and surface drainage. Mr. Blake has testified in court as an expert for several cases.

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## Resume

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### **Thomas F. Blake, CEG, GE**

Principal Engineering Geologist/Geotechnical Engineer

- **County of Los Angeles Legal Services.** Serves as an expert in geotechnical and geologic issues involved in legal cases for the Los Angeles Office of County Counsel. Mr. Blake has provided consultation and expert witness testimony about a dozen cases involving landslides, water lines, sewer lines, and property condemnation. Residential property, access roadways, and water tanks have been involved in the litigation.
- **City and County of Ventura Legal Services.** Serves as an expert in geotechnical and geological issues involved in legal cases for the City and County of Ventura. Consultation and expert witness testimony have been provided for slope stability, drainage, and landslides involving County facilities and properties.
- **Slope Stability Guidelines, County of Los Angeles/State of California.** Mr. Blake chaired a committee formed in 1998 by the Building and Safety Departments of the County of Los Angeles and the City of Los Angeles to develop detailed guidelines for the implementation of the slope stability provisions of the State of California's Seismic Hazards Mapping Act (California Department of Mining and Geology Special Publication 117). The committee included geotechnical engineers and engineering geologists from consulting firms, academia, and regulatory agencies. The committee deliberated for 3 ½ years and in February 2002, published their Guidelines through the Southern California Earthquake Center (SCEC). Mr. Blake also served on a similar committee that developed a set of guidelines for liquefaction analysis.
- **California Department of Conservation, State Mining and Geology Board's Technical Advisory Committee (TAC).** Mr. Blake is a member of the committee that convenes to provide guidance to the State Mining and Geology Board on issues that have arisen over the course of the past 35 years since the Alquist-Priolo Earthquake Fault Zoning Act was implemented. The TAC consists of about 10 professional members representing both the public and private sectors.
- **Geotechnical Consultant/Agency Reviewer for the Cities of Camarillo and Simi Valley, California.** Geologic and geotechnical engineering review of consultant geotechnical reports prepared for commercial, industrial, and residential developments for the period of 1986 to the present. In the context of those reviews, Mr. Blake has observed hundreds of fault explorations in the City of Camarillo and numerous projects in Simi Valley.
- **Engineering Geologic and Geotechnical Engineering Consultant for the City of Malibu (on call).** Mr. Blake has provided consulting to the Public Works Department for emergency response to roadway distress following rainy seasons, as well as peer review of development projects, on an on-call basis.
- **Seismic Hazard Studies, Cities of Ventura and Camarillo.** Principal investigator for regional geologic hazards assessments. Performed probabilistic seismic hazard analyses in the Cities of Ventura and Camarillo. Developed contour maps of ground motion with specific probabilities of exceedance. The maps are used as the basis for geotechnical analyses performed by consultants working in those respective cities.

#### **Hospitals, Schools, & Public Facilities:**

- **Seismic Retrofit, St. John's Pleasant Valley Hospital, Camarillo.** Seismic hazards analysis and geotechnical evaluation of axial and lateral capacities for existing pier foundation for seismic retrofit of hospital structure.
- **California State University, Channel Islands, Camarillo.** Principal engineering geologist/geotechnical engineer for development of campus facilities and associated development with 900 residences, retail, research center, and public school uses. Performed engineering analyses and provided geotechnical observation and monitoring during mass grading and construction.
- **Ventura County Jail, Santa Paula.** Geotechnical and geologic studies for a new county prison complex. Proposed facilities included six separate facilities, including a two-story, 122,000-square-foot

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## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

housing unit (2,300 beds), a 40,000-square-foot administration, and wastewater treatment facilities.

- **Ronald Reagan Presidential Library Foundation, Simi Valley.** Project engineering geologist and geotechnical for the Ronald Reagan Presidential Library. Responsible for geotechnical exploration and design for the 150,000-square-foot library located on a hillside site in hard volcanic rock.
- **Fort MacArthur Military Housing Project, San Pedro.** Geotechnical siting and design of new housing units at Fort MacArthur for personnel stationed at the nearby Los Angeles Air Force Base.
- **Tierra Rejada Lake Project, Simi Valley.** The project included extensive surface geologic mapping of a several square mile area and subsurface fault-trenching in support of a recreational lake proposed by the County of Ventura. The project also included drill-hole exploration and slope stability analyses.

#### Construction Vibration Monitoring:

- **Utility Installation Project, Palm Desert, California.** Consulted with a major construction company regarding vibrations induced by pile installation. Included field monitoring of vibrations and sound, with data reduction and analysis. ReMi geophysics used to develop ground motion criteria.
- **Solar Energy Facility in the Carizzo Plain, California.** Vibration and sound monitoring during test-pile installation to evaluate acceptable levels for protection of animal species.
- **Brine Pipeline Installation, Oxnard, California.** Performed vibration compliance monitoring for the owner of a pipeline being installed in roadways.
- **Los Angeles International Airport, Los Angeles.** Performed vibration monitoring for a contractor working on pile installation for the Bradley Terminal improvements.

#### Residential & Commercial:

- **Mountain View Estates, Calabasas.** Geotechnical design services for Morrison Homes on a large-scale residential subdivision. The project included estate-type residential lots and supporting infrastructure (bridges, roads, utilities, parks, etc.).
- **Large-scale Residential Development Projects, Southern California.** During his career, Mr. Blake has performed field geologic mapping for many large-scale residential developments that have been hundreds of acres in size. Those projects also included extensive subsurface exploration, geologic cross-section preparation, slope stability analyses, and construction-related services.
- **RiverPark Mixed-Use Community Development, Oxnard.** Provided geotechnical analyses for a project that incorporated a 700-acre development of 2,805 residential units, 1.4 million square feet of commercial space, and public facilities including three new schools and two fire stations.

#### Oil & Gas:

- **Exxon Santa Ynez Unit Facility, Santa Barbara County.** Geotechnical study for a large oil and gas processing facility in complex geologic terrain including slope stability, fault hazard, and landslide evaluation.
- **Unocal Offshore Oil Platforms, Southern California.** Seismic hazards analyses and geotechnical engineering for the requalification of pile designs for offshore oil platforms including Platform Eva, Platform A, Platform Gina, and Platform Hillhouse.
- **Torch Operating HS&P Gas Plant Expansion, Lompoc.** Design-level geotechnical engineering study for a gas plant expansion east of the HS&P site. Provided measures to reduce the potential for collapsible soils to impact the new facility, consisting of overexcavation, geomembrane installation, and subdrains.
- **Pacific Pipeline Systems, Hot Oil Pipeline, Kern and Los Angeles Counties.** This project included the construction of about 140 miles of 24-inch-diameter hot oil pipeline, pump stations, pressure reducing stations, and other associated improvements through mountainous and urbanized areas of Kern and Los

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## Resume

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### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

Angeles counties.

- **Seismic Hazard Assessment, Liquefied Natural Gas (LNG) Facility, Brighton-La Brea Site, Trinidad.** Assessed the level and likelihood of potential earthquake ground motions at a proposed LNG site and evaluate earthquake loading conditions. Developed a seismotectonic source model for the project consisting of four possible earthquake sources in the area.

#### Transportation:

- **US Highway 101/Rose Avenue Interchange, Oxnard.** Foundation report and materials study for replacement of the Rose Avenue overcrossing and new on/off ramps.
- **State Highway 118/Madera Road Interchange, Simi Valley.** Foundation report for a three-lane widening of Madera Road overcrossing.
- **Upland Road Bridge, Camarillo.** Construction monitoring for a four-lane, two-span concrete bridge across Arroyo Las Posas.
- **US Highway 101/Victoria Avenue Interchange Improvements, Ventura.** Materials testing for replacement of Victoria Avenue undercrossing.
- **US Highway 101/Santa Rosa Road Interchange, Camarillo.** Foundation report for a three-lane widening of the Santa Rosa Road overcrossing.
- **San Francisco-Oakland Bay Bridge East Span Seismic Safety Project, Oakland.** Geotechnical and geological studies for the replacement of the 2-mile long bridge. Project included large-scale land and overwater exploration, laboratory analysis, data analysis, and foundation recommendations.
- **State Route 126/Victoria Avenue, Ventura.** Materials study for widening of the Victoria Avenue off-ramp, including recommendations for geogrid reinforced earthen embankment on soft sedimentary soils.
- **US Highway 101/Main Street Interchange Improvement, Ventura.** Materials report for widening of the Main Street on/off ramps and related improvement to Main Street.
- **Interstate 5/Valencia Boulevard Interchange, Valencia.** Foundation report and materials study for a five-lane widening of the Valencia Boulevard overcrossing and new ramps and auxiliary lanes.
- **State Highway 154 Improvements, Santa Barbara County.** Geologic mapping and rock-slope stability analyses for several proposed road-widening cuts.
- **US Highway 101/Moorpark Road Interchange Improvements, Thousand Oaks.** Materials report for on/off ramps widening project.
- **US Highway 101/Flynn Road Interchange Improvements, Camarillo.** Materials report for new on/off ramps to US Highway 101 and realignment of Mission Oaks Boulevard and Flynn Road.
- **Springville Road/US 101, Camarillo.** Overcrossing about midway between the Las Posas Road interchange and the Central Avenue interchange along US 101. CPT exploration for fault-rupture hazard evaluation.
- **Honda Ridge Road Landslide Stabilization and Improvements, Vandenberg Air Force Base, Lompoc.** Exploration, analysis, and design of the repair of a large-scale landslide that impacted Honda Ridge Road and an existing access road.
- **Bath Street Bridge, Santa Barbara.** Geotechnical exploration and design phases of the Bath Street Bridge project. The Bath Street Bridge project consisted of replacing an existing single span bridge with a new box culvert type structure.
- **Orgtega Street Bridge, Santa Barbara.** Perform and analyze vibration monitoring during the driving of foundation piles.
- **Johnson Drive Grade Separation, Ventura.** Geotechnical engineering for a railroad/roadway grade separation structure and flood control improvements.

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## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

- **US Highway 101/Carmen Drive Interchange, Camarillo.** Geotechnical design services for new onramp and offramp systems and connecting roadways.

#### Forensic & Legal:

- **Forensic Investigations and Expert Witness Testimony.** Mr. Blake has performed forensic investigations, and provided expert consultation and testimony for over 80 projects. Those projects included issues relating to landslides, slope stability, rock-fall hazards, static settlement, seismic settlement, construction-vibration damage, expansive soils, collapsible soils, grading and compaction, retaining walls, erosion, groundwater, and surface drainage.
- **Torch Operating HS&P Facility, Lompoc.** Forensic geotechnical study for an existing oil processing facility constructed on diatomaceous soils. A geotechnical study was performed to assess possible causes of settlement-related distress and develop mitigation recommendations.
- **County of Los Angeles Legal Services.** Serves as an expert in geotechnical and geologic issues involved in legal cases for the Los Angeles Office of County Counsel. Mr. Blake has provided consultation and expert witness testimony for eight cases involving landslides, water lines, and property condemnation. Residential property, access roadways, and water tanks have been involved in the litigation.
- **City and County of Ventura Legal Services.** Serves as an expert in geotechnical and geological issues involved in legal cases for the City and County of Ventura. Consultation and expert witness testimony have been provided for slope stability, drainage, and landslides involving County facilities and properties.
- **Vibratory Removal of Sheet Pile & H-Pile Los Angeles Avenue and Spring Road, LPF No. 3, Unit 1, Moorpark.** Subsurface exploration to obtain site-specific information regarding the subsurface soil conditions to better evaluate the effects of construction vibration at the site. Project consisted of utility coordination, drilling geotechnical borings, advancement of CPT soundings, laboratory testing, vibration monitoring, observation of test pits, review of floor-level-survey data, and reporting.
- **Slope Stability Guidelines, County of Los Angeles/State of California.** Mr. Blake chaired a committee formed in 1998 by the Building and Safety Departments of the County of Los Angeles and the City of Los Angeles to develop detailed guidelines for the implementation of the slope stability provisions of the State of California's Seismic Hazards Mapping Act (California Department of Mining and Geology Special Publication 117). The committee included geotechnical engineers and engineering geologists from consulting firms, academia, and regulatory agencies. The committee deliberated for 3 ½ years and in February 2002, published their Guidelines through the Southern California Earthquake Center (SCEC). Mr. Blake also served on a similar committee that developed a set of guidelines for liquefaction analysis.
- **Post-Earthquake Investigations.** Conducted several post-earthquake geohazards site investigations following the 1994 magnitude 6.7 Northridge Earthquake and geohazards site observation following the 1992 magnitude 7.3 Landers Earthquake.

#### Seismic:

- **Shear-Wave Velocity Surveys, Oxnard Plain California.** Refraction Microtremor (ReMi) seismic surveys were performed at about 50 sites throughout the Oxnard Plain to develop a map of shear-wave velocity for the upper 100 feet of sediment.
- **Seismic Refraction and Refraction Tomography Surveys throughout southern California.** Seismic refraction studies have been performed at over 70 locations, predominantly in California, to image subsurface conditions and evaluate rippability. Data were processed using delay-time methods, the General Reciprocal Method, and tomographic methods.
- **Seismic Retrofit, St. John's Pleasant Valley Hospital, Camarillo.** Seismic hazards analysis and geotechnical evaluation of axial and lateral capacities for existing pier foundation for seismic retrofit of

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## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

hospital structure.

- **Marine Terminal, near Yanbu, Saudi Arabia.** Evaluated seismicity for proposed marine terminal planned for construction by Brown & Root.
- **Seismic Hazard Assessment, Liquefied Natural Gas (LNG) Facility, Brighton-La Brea Site, Trinidad.** Assessed the level and likelihood of potential earthquake ground motions at a proposed LNG site and evaluate earthquake loading conditions. Developed a seismotectonic source model for the project consisting of four possible earthquake sources in the area.
- **Seismic Hazard Studies, Cities of Ventura and Camarillo.** Principal investigator for regional geologic hazards assessments. Performed probabilistic seismic hazard analyses in the Cities of Ventura and Camarillo. Developed contour maps of ground motion with specific probabilities of exceedance. The maps are used as the basis for geotechnical analyses performed by consultants working in those respective cities.
- **Analysis of Liquefaction Resulting from Northridge Earthquake, Simi Valley, California.** Principal investigator for Fugro's probabilistic seismic hazard analyses to estimate the level of future earthquake ground-motions that should be considered in an extensive City-sponsored analysis of liquefaction hazard in the southeastern portion of Simi Valley. The analyses used data from the Southern California Earthquake Center's recently developed consensus model, the California Division of Mines & Geology's state model, and a paper on the Los Angeles basin faults published in Science (Dolan et al., 1995). Three-dimensional planes with characteristic earthquake distributions were used to model earthquake sources for the analyses. The study results were used by the local residents and the City of Simi Valley to develop remediation measures for homes damaged by the 1994 Northridge earthquake.  
Mr. Blake also conducted a post-earthquake geohazards site observation following the 1992 Magnitude 7.3 Landers Earthquake.
- **Seismic Hazards Mapping Act Guidelines.** Served as chairman of a committee that developed guidelines to implement slope stability provisions of the California Seismic Hazards Mapping Act (California Department of Mining and Geology Special Publication 117). He previously served as a member of a similar committee that developed a set of guidelines for liquefaction analysis.
- **San Francisco-Oakland Bay Bridge East Span Seismic Safety Project, Oakland.** Geotechnical and geological studies for the replacement of the 2-mile long bridge. Project included large-scale land and overwater exploration, laboratory analysis, data analysis, and foundation recommendations.
- **Post-Earthquake Investigations.** Mr. Blake conducted a post-earthquake geohazards site investigation of the 1994 magnitude 6.7 Northridge Earthquake and geohazards site observation following the 1992 magnitude 7.3 Landers Earthquake.

#### Water and Wastewater:

- **Camrosa Water District Conejo Creek Project, Camarillo.** Geotechnical study including liquefaction and lateral spreading potential and subsurface evaluation for a diversion structure, two pump stations, three creek crossings, and 45,000 lineal feet of pipeline.
- **Las Posas Basin Aquifer Storage and Recovery Project, Calleguas Municipal Water District, Moorpark.** Project includes a 20-mile large-diameter pipeline distribution system, storage tanks, and creek crossings.
- **Sand Canyon Pipeline, Reservoir and Pump Station Project.** Principal geologist for a \$35 million capital improvement project designed to improve water pressure and capacity in the eastern Santa Clarita Valley. Project included a \$4.8 million pump station, a \$21.5 million, 48-inch-diameter 25,000-linear feet welded steel pipeline and a \$10 million, 7-million-gallon capacity reservoir. Included observation and testing of masonry block, pipe bedding materials, trench/structure backfill, structure subgrade and over 12,500 cubic yards of high strength concrete. Project included geologic support and field observation and testing of soil/rock materials for a 265,000 cubic yard mass grading project in geologically complex landslide-prone hillside terrain to create the reservoir's building pad.

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## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

- **Chevy Chase 968 Reservoir Replacement, City of Glendale.** Responsible for collection of shear wave velocity data using passive seismic refraction technology (ReMi) in combination with the seismic refraction survey for a geotechnical study for the proposed replacement of the 14.4-million-gallon Chevy Chase Drive 968 Reservoir with a buried concrete reservoir. The geotechnical study included aerial photographic and data review, a site reconnaissance, subsurface exploration (drilling and seismic refraction surveys), laboratory testing, geotechnical and seismicity evaluation, and recommendations.
- **Pleasant Valley Reservoir, United Water Conservation District, Camarillo.** Participated in site characterization and detailed geologic mapping for fault evaluation for a 120-acre-foot earthen embankment reservoir on soft, interbedded alluvial soils.
- **Fillmore Water Reservoirs Nos. 1 and 3, Fillmore.** Geotechnical studies including landslide evaluation and slope stability for replacement of Reservoir No. 1 and new 2.5-million-gallon Reservoir No. 3.
- **J-Street Drain Improvements, Oxnard.** Geotechnical analyses for the replacement of the existing trapezoidal channel with a concrete-lined rectangular channel to increase capacity for a 100-year storm. Client: HDR Engineering
- **City of Ventura Reservoir Development Project, Ventura.** McElrea Water Reservoir, 535 Zone Water Reservoir, Elizabeth Road Water Reservoir, Power Reservoir, and View Park Reservoir development and expansion projects. Those projects included design and construction phase services.
- **Pump Station No. 2 Reservoir Project, Beverly Hills.** Project included geologic hazards and design-level geotechnical services for the development of a new 2-million gallon water storage reservoir for reservoirs ranging in size from 1-million gallons to more than 15-million gallons.
- **Weymouth Water Filtration Plant, Metropolitan Water District of Southern California, La Verne.** Geologic and geotechnical studies for the oxidation retrofit and sludge dewatering program improvements.
- **Calleguas Water Filtration Plant, Calleguas Municipal Water District, Thousand Oaks.** Geotechnical exploration and design of a 5-million-gallon per day water treatment plant on a hillside site.
- **Calleguas Municipal Water District Hueneme Outfall Project, Port Hueneme, California.** Site characterization, and vibration and sound monitoring during construction of the outfall drilling project
- **Calleguas Municipal Water District, Las Posas Basin Aquifer Storage (ASR) and Recovery Project, Moorpark.** Provided geologic/geotechnical review for two 5-million gallon reservoirs. Included subsurface fault trenching evaluation.
- **Las Virgenes Municipal Water District, Calabasas.** Phase III and IV expansion at the Tapia Water Reclamation Facility and the District's headquarters building.
- **Central Coast Water Authority Aqueduct, Santa Barbara and San Luis Obispo Counties.** Included 73 miles of 42-inch steel pipeline extending from Arroyo Grande to Lake Cachuma, California, three water storage tanks, a pump station, and a 43-million-gallon per day water treatment plant.
- **Camrosa Water District Conejo Creek Project, Camarillo.** Geotechnical study including liquefaction and lateral spreading potential and subsurface evaluation for a diversion structure, two pump stations, three creek crossings, and 45,000 lineal feet of pipeline.
- **Seismic Retrofit Design of Seven Existing Water Storage Reservoirs, Ventura.** Included seismic and geotechnical evaluation of seven existing water storage reservoirs for design of seismic retrofits.
- **Unit W Wastewater Interceptor Reconstruction Project, Phases I and II, City of Thousand Oaks.** Design-level geotechnical studies conducted for about 12,000 lineal feet of 42-inch diameter pipeline in steep, rough, difficult access terrain.
- **Simi Reclaimed Water System, Pilot Project, Calleguas Municipal Water District, Simi Valley.** Project includes a 24-inch-diameter reclaimed water distribution pipeline and pump station.
- **Hill Canyon Wastewater Treatment Plant Expansion Study, City of Thousand Oaks.** Geotechnical

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## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

exploration, analysis, and design for expansion of existing facilities.

- **Santa Barbara Wastewater Treatment Plant Administration Building Expansion, Santa Barbara.** Shallow foundation design and construction, and compaction grouting ground improvement. Adjacent facilities are underlain by stone-column improved ground. Compaction grouting was used in the new building areas to approximate the adjacent ground conditions created by the existing stone columns and to reduce the liquefaction hazard at the site.
- **Wastewater Treatment Plant Upgrades Project, Ventura.** Geotechnical engineering for extensive upgrades to an existing wastewater treatment plant. Upgrades included seismic retrofit of existing clarifiers, new buildings, new equalizations tanks and other smaller structures.
- **Bristol Relief Sewer Project, Ventura.** 50,700 lineal feet gravity sewer system. The 24- to 42-inch diameter sewer was constructed by micro-tunneling techniques due to the soft nature of the natural clay deposits.
- **Northeast Industrial Assessment District, Oxnard.** Geotechnical design and construction services of 56,700 lineal feet of sewer, water, and storm drain alignments. The project also included installation of underground improvements and street, sidewalk, and curb and gutter construction.
- **Mello-Roos Sewer Pipelines and Pump Stations Project, Camarillo.** The project included about 26,000 linear feet of force main 30-inch pipeline and about 17,500 linear feet of 36-inch gravity sewer pipeline. Three pump stations were designed and constructed at inverts about 30 feet below existing surface grades.
- **Los Osos Wastewater Project, San Luis Obispo County.** The Pismo Wastewater Treatment Plant consists of operations buildings and facilities, treatment systems, clarifiers and sewage processing equipment, storage tanks, and reservoirs. Approximately 50 miles of gravity flow sewer pipe 23,000 feet of low-pressure sewer pipe; and 17,000 - 20,000 linear feet of sewer force main are included in the project. The pipeline network will also include two pump stations and five lift stations.
- **Del Norte Pipeline and Filtering Station, Oxnard.** The project included preliminary geohazard assessments along four proposed pipeline alignment alternatives. Upon completion of the preliminary geohazard assessments, a design-level geotechnical study was completed for a filtering plant and an 8-mile-long alignment for the 14- to 36-inch diameter pipeline.

#### Dams & Levees:

- **Big Tujunga Dam Slope Stability Study.** Principal-in-Charge and Project Manager for a detailed slope stability study of the right abutment at Big Tujunga Dam, which is under the jurisdiction of the California Division of the Safety of Dams. The project required subsurface exploration and geotechnical sampling using limited-access drilling equipment lowered to a narrow ledge on the abutment, sampling using rope-access (rappelling), and sampling from a boat. Mr. Blake also performed probabilistic rock-slope (wedge) stability analyses of dam abutment slope.
- **Turkey Peak Reservoir, TX.** Principal geologic reviewer for a proposed reservoir in Texas. Examined historical aerial photographs and mapped suspected landslide geomorphology. Also, developed geologic cross-sections through the proposed dam footprint. Review of technical report
- **Spreading Grounds Dike and Levee Evaluations.** Principal geologist for geotechnical evaluations of dikes and levees at several spreading ground ponds in Los Angeles County where the groundwater recharge facilities abut private property. The dikes are composed of earth materials and range in height from 6 to about 10 feet. The geotechnical studies included assessment of dike characteristics, slope stability and seepage.

As with most southern California sites, the spreading grounds will most likely be subjected to earthquake-related strong ground shaking during its design life. Estimates of strong ground motion parameters, liquefaction potential, and other seismic hazards were evaluated. Recommendations for future observation of potential seepage and rodent monitoring/eradication were made.

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### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

- **Sheffield Dam and Reservoir, Santa Barbara.** Geotechnical studies for the water quality improvement project. The project involved an evaluation of the stability of the existing dam under static and earthquake conditions and preparation providing recommendations for below-grade concrete reservoirs. The report was reviewed by the California Division of Safety of Dams.
- **Arundell and Lake Canyon Dams, County of Ventura Flood Control District.** Two 60- to 70-foot-high flood control dams that were designed and constructed to California Department of Water Resources, Division of Safety of Dams standards.
- **Hansen Spreading Grounds, Levee Evaluation.** Mr. Blake was the geologist for the evaluation of about 105 acres of pond area for recharging groundwater, surrounded by 6-foot high levees. Levees were evaluated along the north side of Ponds Nos. 2, 4, 6, 8, 10, 12, 14, and 16, which are adjacent to private property, and which the County proposes to deepen by up to about 17 feet.

#### Slope Stability:

- **Rio Hondo Coastal Basin Spreading Grounds, Westside Slope Stabilization, City of Montebello, Los Angeles County.** Consulted on a stability assessment for 2 miles of slopes in the City of Montebello, located above the west side of the Rio Hondo Coastal Spreading Basins and below Bluff Road. Following the stability assessment, slope stabilization works were designed to include an equestrian trail at the toe of the slope and a bike path at the top of the slope. The assessment evaluated the potential for deep-seated and surface type failures (including erosion), and considered limit-state and deformation type mechanisms (if required) under both static and earthquake induced conditions (strong ground motion). Mr. Blake also rendered conclusions regarding the long-term stability of the slopes and the need for civil engineering works to improve stability.
- **Miller and Manning Gravel Pits, County of Los Angeles.** Slope stability evaluation of two 200-foot deep, nearly vertical, existing sand/gravel pits for use as a water recharge facility.
- **Slope Stability Guidelines, County of Los Angeles/State of California.** Mr. Blake chaired a committee formed in 1998 by the Building and Safety Departments of the County of Los Angeles and the City of Los Angeles to develop detailed guidelines for the implementation of the slope stability provisions of the State of California's Seismic Hazards Mapping Act (California Department of Mining and Geology Special Publication 117). The committee included geotechnical engineers and engineering geologists from consulting firms, academia, and regulatory agencies. The committee deliberated for 3 ½ years and in February 2002, published their Guidelines through the Southern California Earthquake Center (SCEC). Mr. Blake also served on a similar committee that developed a set of guidelines for liquefaction analysis.

#### Landfills:

- **Toland Road Landfill, Fillmore.** Extensive fault hazard evaluation study related to the proposed landfill expansion.
- **Tierra Rejada Landfill Slope Stability Assessment Project, Simi Valley.** The project included extensive subsurface exploration through and around the two landfill side-hill fill cells, the installation of slope inclinometers, slope stability analyses, and construction-related services.

#### Power/Energy:

- **Comanche Peak Nuclear Power Plant, Somervell County, Texas.** Geotechnical reviewer for permit-related engineering studies of two new nuclear power plant units (No. 3 and 4) at the Comanche Peak plant site in north-central Texas (70 miles southeast of Dallas). Project scope included laboratory testing, engineering analyses, design calculation packages (slope stability, bearing capacity and settlements and lateral earth pressures), site preparation and foundation recommendations.

#### Professional Affiliations:

- American Institute of Professional Geologists (AIPG)

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## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

- American Society of Civil Engineers (ASCE)
- Association of Environmental and Engineering Geologists (AEG)
- Earthquake Engineering Research Institute (EERI)
- Geological Society of America (GSA)
- International Association of Engineering Geologists (IAEG)
- International Society of Explosives Engineers (ISEE)
- National Association of Geoscience Teachers (NAGT)
- Seismological Society of America (SSA)
- Chairman, Engineering Geology Advisory Committee, City of Los Angeles, Department of Building and Safety, 2002

#### Publications & Speaking Engagements:

- "Challenges in Peer Review of Fault-Rupture Hazard Studies for Engineering Mitigation," Sexton, C.J. and Blake, T.F., Environmental and Engineering Geoscience, Vol. 16, No. 1, 2010, pp. 41-46.
- "A Hydroconsolidation (Collapse) Case History Using Settle3D", Blake, T.F., Rocscience Newsletter, Summer, 2009.
- "ReMi-Estimated Shear Wave Velocity in the Oxnard Plain, Ventura County, California," Blake, T.F. and Pullammanappallil, S., proceedings of the Association of Engineering Geologists Annual Meeting, September 24-29, 2007.
- "Two-Dimensional ReMi Surface Wave Survey Mapping of a Buried Saturated Gravel-Filled Channel in the Santa Ynez River, Santa Barbara County, California," Blake, T.F., Denlinger, G.S., Pullammanappallil, S., and Olson, M.G., proceedings of the Association of Engineering Geologists Annual Meeting, September 24-29, 2007.
- "Practical Examples of Seismic Refraction Tomography Applications in Engineering Geology", Blake, T.F., Smith, K., and Pullammanappallil, S., proceedings of the Association of Engineering Geologists Annual Meeting, September 24-29, 2007.
- "A Screen Analysis Procedure for Seismic Slope Stability," J.P. Stewart, T.F. Blake, and R.A. Hollingsworth, Spectra, Vol. 19, No. 3, 2003, pp. 697-712.
- "Assessment of Liquefaction Potential in the Downtown Area of Ventura, California," Denlinger, G.S., and Blake, T.F., in Blake, T.F., and Larson, R.A., eds., Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California, Southern California Section Association of Engineering Geologists, Field Trip Guidebook, 1991, pp. 333-347.
- "Earthquakes, Be Prepared!" Naeim, F., Blake, T.F., Bortugno, E.J., Lew, M., Martin, J.A., Jr., Naeim, F., and Schonfeld, D., Multimedia Earthquake Preparedness Information prepared under a grant from the State of California, Department of Commerce, Office of Strategic Technology, 1994.
- "Geology of the Ronald Reagan Presidential Library, Ventura County, California," Bianchin, J.A., and Blake, T.F. in Blake, T.F. and Larson, R.A., eds., Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California, Southern California Section Association of Engineering Geologists, Field Trip Guidebook, 1991, pp. 31-43.
- "Geology of Tierra Rejada Valley, Ventura County, California," Blake, T.F., and Ploessel, M.R., in Blake, T.F., and Larson, R.A., eds., Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California, Southern California Section Association of Engineering Geologists, Field Trip Guidebook, 1991, pp. 20-30.
- "Landslide Exploration, Western End of South Mountain, Ventura County, California," Prentice, C.D., and Blake, T.F., in Blake, T.F., and Larson, R.A., eds., Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California, Southern California Section Association of Engineering Geologists, Field Trip Guidebook, 1991, pp. 303-315.

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### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

- "Large-Deformation Shear-Strength Parameters for Claystone Units in the Saugus Formation, Camarillo Hills, California," Denlinger, G.S., Blake, T.F., Pacal, R.M., and Cavan, W.F., Jr., in Blake, T.F., and Larson, R.A., eds., *Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California*, Southern California Section Association of Engineering Geologists, Field Trip Guidebook, 1991, pp. 296-302.
- "Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Landslide Hazards in California," T.F. Blake, R.A. Hollingsworth, and J.P. Stewart, eds., Southern California Earthquake Center, 2002
- "Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California," G.R. Martin, M. Lew, K. Arulmoli, J.I. Baez, T.F. Blake, J. Earnest, F. Gharib, J. Goldhammer, D. Hsu, S. Kupferman, J. O'Tousa, C.R. Real, W. Reeder, E. Simantob, and T.L. Youd, Southern California Earthquake Center, 1999.
- "Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Landslide Hazards in California," T.F. Blake, R.A. Hollingsworth, and J.P. Stewart, eds., Southern California Earthquake Center, 2002
- "Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Liquefaction in California," G.R. Martin, M. Lew, K. Arulmoli, J.I. Baez, T.F. Blake, J. Earnest, F. Gharib, J. Goldhammer, D. Hsu, S. Kupferman, J. O'Tousa, C.R. Real, W. Reeder, E. Simantob, and T.L. Youd, Southern California Earthquake Center, 1999.
- "Role of Advanced Seismic Reflection Technology in Engineering and Environmental Geology," Willingham, C.R., and Blake, T.F., in Blake, T.F., and Larson, R.A., eds., *Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California*, Southern California Section Association of Engineering Geologists, Field Trip Guidebook, 1991, pp. 350-368.
- "Synopsis of the Character and Recency of Faulting Along the Simi-Santa Rosa Fault System," in Blake, T.F., and Larson, R.A., eds., *Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California*, Southern California Section Association of Engineering Geologists, Field Trip Guidebook, 1991, pp. 96-118.
- "Depositional Environments of the Simmler Formation in Southern Cuyama Valley, Santa Barbara and Ventura Counties, California," Blake, T.F., in Ingersoll, R.V., and Woodburne, M.O., eds., *Cenozoic Nonmarine Deposits of California and Arizona*, Pacific Section Society of Economic Paleontologists and Mineralogists, 1982, pp. 35-50.
- Invited Landslide Expert to serve as a Panel Member for the ARKStorm Scenario Project sponsored by the U.S. Geological Survey, Pasadena, June 2009
- Invited Speaker at Association of Engineering Geologists sponsored Shlemon Specialty Conference on Evaluation, Risk Analysis, & Mitigation of Surface Faulting, Palm Desert, California, February 19-20, 2009
- Invited Member of the Technical Advisory Committee created by the California Geological Survey to evaluate the Alquist-Priolo Earthquake Fault Hazard Act, 2007 to 2009.
- Invited Member of the External Review Group for the 2008 revision of "Guidelines for Evaluating and Mitigating Seismic Hazards in California," California Geological Survey Special Publication 117A.
- Speaker (ReMi Seismic Surveys in the Oxnard Plain) and Poster Presenter (seismic refraction tomography studies in southern California) at Association of Engineering Geologists meeting in North Hollywood, September 26-29, 2007
- Member of the Departmental Advisory Board for California State University, Northridge, Department of Geological Sciences, 2004
- Participant at Seismic Hazard Analysis Seminar, Sacramento, April 23, 2004.
- Chairman and Instructor at Workshop: Recommended Procedures for Implementation of DMG Special Publication 117 - Guidelines for Analyzing and Mitigating Landslide Hazards in California Los Angeles, February 20-21, 2003
- Chairman and Instructor at Workshop: Recommended Procedures for Implementation of DMG Special Publication 117 - Guidelines for Analyzing and Mitigating Landslide Hazards in California Los Angeles, June

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## Resume

### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

20-21, 2002

Co-Instructor at "Recommended Procedures for Implementation of CDMG Special Publication 117 - Guidelines for Analyzing and Mitigating Liquefaction Hazards in California," Southern California Earthquake Center Workshop, June 17, 1999 and November 18, 1999

Coordinator and participant, Understanding and Applying Probabilistic Seismic Hazard Analysis, Southern California Earthquake Center, Short Course, May 18, 2001

Invited Speaker, CDMG Short Course on Implementation of Seismic Hazards Mapping Act in Southern California, September 23, 2000

Invited Speaker at American Society of Civil Engineers/California Geotechnical Engineers Association Joint Meeting, San Diego, on Slope Stability Analysis, September 18, 2002

Invited Speaker at the American Society of Civil Engineers meeting in Los Angeles, on Seismic Slope Stability, June 19, 2002

Invited Speaker before City of Los Angeles, Department of Building and Safety regarding seismic slope stability methodology, June 17, 2002

Chairman and Instructor at Workshop: Recommended Procedures for Implementation of DMG Special Publication 117 - Guidelines for Analyzing and Mitigating Landslide Hazards in California Los Angeles, February 20-21, 2003

Invited Speaker at American Society of Civil Engineers/California Geotechnical Engineers Association Joint Meeting, San Diego, on Slope Stability Analysis, September 18, 2002

Chairman and Instructor at Workshop: Recommended Procedures for Implementation of DMG Special Publication 117 - Guidelines for Analyzing and Mitigating Landslide Hazards in California Los Angeles, June 20-21, 2002

Invited Speaker at the American Society of Civil Engineers meeting in Los Angeles, on Seismic Slope Stability, June 19, 2002

Invited Speaker before City of Los Angeles, Department of Building and Safety regarding seismic slope stability methodology, June 17, 2002

Chairman, Engineering Geology Advisory Committee, City of Los Angeles, Department of Building and Safety, 2002

Coordinator and participant, Understanding and Applying Probabilistic Seismic Hazard Analysis, Southern Cali  
 Invited Speaker, CDMG Short Course on Implementation of Seismic Hazards Mapping Act in Southern California, September 23, 2000, Southern California Earthquake Center, Short Course, May 18, 2001

Co-Instructor at "Recommended Procedures for Implementation of CDMG Special Publication 117 - Guidelines for Analyzing and Mitigating Liquefaction Hazards in California," Southern California Earthquake Center Workshop, June 17, 1999 and November 18, 1999

Participant at Virginia Polytechnic Institute and State University Slope Stability Seminar, July 1999

Committee Chairman, for Committee to Develop Recommended Procedures for Analyzing and Mitigating Slope Stability Hazards in California, 1998-present

Invited Speaker, An Introduction to the Global Positioning System (GPS) for Geologists and Geotechnical Engineers, Association of Engineering Geologists, September 1997

Invited Speaker, GPS for Geologists - An Introduction to the Global Positioning System, California State University, Northridge, Geoscience Department Lecture Series, September 1997

Co-Instructor, Short Course on Seismic Hazards Analysis in Northern California, Association of Engineering Geologists, May 1997

Co-Instructor, Short Course on Seismic Hazards Analysis II, Association of Engineering Geologists, January 1996

Participant, Southern California Fault Parameters Workshop, Southern California Earthquake Center, October 1996

Invited Speaker, Liquefaction Analysis Methods and Procedures, Structural Engineers Association of California,

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### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

Ventura Branch Meeting, November 1996

Invited Lecturer, Earthquake Hazards in Eastern Ventura County, Meeting of the Moorpark Disaster Alert Response Team (DART), November 1995

Participant, Slip Rates for Seismic Hazard Analyses in Southern California, Southern California Earthquake Center Workshop, March 1995

Co-Instructor, Short Course on Seismic Hazards Analyses I, Association of Engineering Geologists, June 1994

Participant, Use of Probabilistic Seismic Hazard Analyses for Hazard Mapping in Southern California, Southern California Earthquake Center Workshop, March 1994

Attenuation Relations for Probabilistic Seismic Hazard Analyses in Southern California, Southern California Earthquake Center, February 1994

Participant, Working Group on Southern California Earthquake Probabilities, Southern California Earthquake Center, November 1993

Invited Lecturer, Earthquake Hazards in the Conejo Valley, Public Meeting of the Conejo Recreation and Park District, January 1993

Invited Speaker, Geotechnical Aspects of the Tierra Rejada Landfill Remedial Investigation, American Society of Civil Engineers, Santa Barbara, Ventura Branch, January 1993

Co-Instructor for the Earthquake Site Analysis and Critical Facility Siting Short Course, Association of Engineering Geologist, October 1992

Short Course Lecturer, Derivation of Earthquake Ground Motions for Engineering Design Purposes, Van Nuys, California, February 1991

Invited Speaker, Engineering Geology Along the Simi-Santa Rosa Fault System, Association of Engineering Geologist, August 1991

Field Trip Leader, Engineering Geology Along the Simi-Santa Rosa Fault System, Association of Engineering Geologists, August 1991

Former Director, Council of Consulting Engineers of Ventura County

Member of the Geology and Geotechnical Review and Advisory Board, City of Calabasas, 1992

Workshop Speaker at the City of Ventura's Unreinforced Masonry Ordinance Study Session, City of Ventura, 1988

Technical Editor, American Society of Civil Engineers, Geotechnical Engineering Division, 1992

Participant, Alternative Sewage Disposal System Committee, County of Ventura, 1982

### Continuing Education, Short Courses, Seminars, & Workshops:

Short-Course: Use of SEEP/W and SLOPE/W (GeoStudio 2007) for Groundwater and Slope Stability Modeling, by GeoSlope, Ltd., Ventura, April 7-8, 2010.

Short-Course: Use of LPILE and GROUP for Analysis of Laterally Loaded Piles by Ensoft, Los Angeles, August 17-18, 2009.

Short-Course: Use of FLAC for Geotechnical Analyses by Itasca Consulting Group, Ventura, March 29-31, 2006

Field Trip: La Conchita Landslide, by Association of Engineering Geologists, April 16, 2005

Short-Course: Settlement of Structures and Embankments by J. Michael Duncan and George Filz, Long Beach, July 21-22, 2003.

ASCE Spring Seminar on Soil Liquefaction by Raymond Seed, Los Angeles, April 30, 2003

Short-Course: Evaluation of Shear Strength for Slope Stability Analyses by Timothy Stark, Los Angeles, March 25, 2003

Workshop: Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Landslide Hazards in California, Los Angeles, February 20-21, 2003

Workshop: Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for

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### Thomas F. Blake, CEG, GE

Principal Engineering Geologist/Geotechnical Engineer

Analyzing and Mitigating Landslide Hazards in California, Los Angeles, June 20-21, 2002

Understanding and Applying Probabilistic Seismic Hazard Analysis, Southern California Earthquake Center Short Course, May 18, 2001

CDMG Short Course on Implementation of Seismic Hazards Mapping Act in Southern California, September 23, 2000

Dynamic Modeling With FLAC Seminar, September 11, 2000

Workshop: Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Landslide Hazards in California, June 17, 1999 and November 18, 1999

Short-Course: Slope Stability by J. Michael Duncan and Steven G. Wright, Long Beach, July 23, 1999

Evaluation and Mitigation of Seismic Hazards Short Course, January 22-24, 1998

Contracting Seminar, Fugro West, January 1998

Seismic Hazards Analysis in Northern California, Association of Engineering Geologists, May 1997

Seismic Hazards Analysis II Short Course, Association of Engineering Geologists, January 1996

Use of FLAC for Finite Difference Modeling of Geotechnical Problems Including Slope Stability, Itasca Consulting Group, January 1996

Disaster Service Worker Training Course, State of California, October 1995

Seismic Hazards Analysis I Short Course, Association of Engineering Geologists, June 1994.

Second Seismic Short Course on Evaluation of Earthquake-Induced Liquefaction Hazards, University of Southern California, February 1994

ATC-35 Seminar on New Developments in Earthquake Ground Motion Estimation and Implications for Engineering Design Practice, Applied Technology Council, January 1994

Application of Soil Stratigraphy to Engineering and Environmental Geology, Association of Engineering Geologists, June 1993

Preparation and Review of Engineering Geologic/Seismic Reports for Hospital and School Sites in California, Association of Engineering Geologists, February 1993

Earthquake Site Analysis and Critical Facility Siting, Association of Engineering Geologists, October 1992

Field Trip Along the San Andreas Fault, Association of Engineering Geologists, October 1992

Stability and Performance of Slopes and Embankments II, American Society of Civil Engineers, July 1992

PC-Based Seismic Design of Embankment and Tailing Dams, American Society of Civil Engineers, May 1991

Seismic Short Course, Evaluation and Mitigation of Earthquake-Induced Liquefaction Hazards, University of Southern California, January 1991

H. Bolton Seed Memorial Symposium, University of California, Berkeley, May 1990

Behavior of Deep Foundations Under Axial and Lateral Loading, University of Texas at Austin, March 1989

The Cone Penetrometer and Pressuremeter for Foundation Design, Texas A&M University, August 1987

#### Supplementary Information:

From 1983 to 1986, Mr. Blake worked for McClelland Engineers, Inc. (now Fugro), as a senior engineering geologist/geotechnical engineer on projects around the world including earth dams, port facilities, major oil and gas processing and storage facilities (onshore and offshore), and pipelines. Studies included seismic hazard assessment, foundation design, landslide and slope stability analyses, ground water availability analysis, and marine geohazard assessments.

Mr. Blake joined the firm of Geolabs-Westlake Village in 1975 as a staff geologist and advanced to principal engineering geologist/geotechnical engineer. He performed or supervised geologic and engineering studies in southern California for residential and commercial developments, transportation and communication facilities, and waste management sites from 1975 to 1983.



## Resume

**Craig D. Prentice, CEG**  
Principal Engineering Geologist

### Education:

BS Geology, University of California, Santa Barbara, 1981

Short Courses: Earth Slope Stability, Microtunneling, Erosion Control, Seismic Hazard Analysis

### Professional Registration:

Professional Geologist No. 5120, California, 1991

Certified Engineering Geologist No. 1602, California, 1991

### Experience:

Mr. Prentice has more than 25 years experience as an engineering geologist responsible for geotechnical, geologic, and hydrogeologic studies for bridge and highway improvements, water and wastewater treatment facilities, oil/gas facilities, mining related projects, pipelines, reservoirs/dams, forensic studies, governmental facilities, and large residential developments. He has performed geologic mapping, subsurface studies to evaluate earth- and rock-slope stability, fault hazard evaluations, evaluation of liquefaction potential; shallow and deep foundation design studies, seismic hazard analyses; and groundwater drilling, monitoring, and sampling. Mr. Prentice has extensive field experience with subsurface exploration tools including air/mud-rotary drill rigs, bucket auger, cone penetrometer soundings, and seismic refraction surveys. He is proficient using computer analysis of geotechnical and seismic engineering analyses.

- **Los Angeles County Sanitation District, Outfall Tunnel.** Project Manager and Engineering Geologist for final design of a 7-mile long, 20-foot diameter Effluent Outfall tunnel project. The tunnel alignment extends from the LACSD Joint Water Pollution Control Plant in Carson through the Palos Verdes area to Whites Point Beach area. The alignment trends through two distinctly different geologic environments and crosses two active fault zones. The geotechnical study for the final tunnel design includes evaluation of soil and rock parameters using standard geotechnical drilling and rock coring methods, a suite of downhole in-situ testing (packer, pressuremeter, and wireline logging), surface geophysical surveys to evaluate fault locations, and an extensive laboratory testing program. During the preliminary project design the geotechnical team evaluated multiple potential onshore and offshore alignments including an extensive marine geophysical and geotechnical program to define tunneling conditions in the offshore environment.
- **California High Speed Train, Los Angeles to Anaheim Segment.** Principal-in-charge for geotechnical engineering services for preliminary study of the 30-mile-long Los Angeles to Anaheim (LOSSAN) Segment that is planned to link downtown Los Angeles with urban areas of Orange County, cutting the train commute from 60 to approximately 30 minutes. Preliminary engineering for the LOSSAN segment is being performed by STV Inc. who retained Fugro to provide geotechnical engineering services to support their design effort. The LOSSAN segment will be constructed within an existing rail corridor that traverses highly urbanized portions of Los Angeles and Orange Counties. Over 10-miles of viaduct and 3 miles of tunnel are being considered as part of the segment design due to limit right-of-way and grade separation constraints. As part of the conceptual design study, Fugro compiled surface geologic and subsurface geotechnical data into our GIS database to help develop preliminary foundation design criteria for several possible foundation systems.
- **San Francisco-Oakland Bay Bridge East Span Seismic Safety Project, Oakland.** Project engineering geologist responsible for geological aspects of the field study program and project design for the 4.2-km-long bridge.
  - Supervised the field operations for two phases of overwater drilling in the main pylon area adjacent to Yerba Buena Island.
  - Coordinated and assigned the rock laboratory testing program.
  - Coordinated with geophysicist and GIS team to integrate the drill hole and geophysical data and interpolate geologic surfaces in the project area.

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## Resume

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### **Craig D. Prentice, CEG**

Principal Engineering Geologist

- Supervised and performed the rock engineering analysis and data reporting of data during both field study phases.

Communicated rock foundation criteria for the main span pylon area to the design team in a clear understandable format within fast-track schedule.

- **Ventura County Medical Center, Multiple Buildings, Ventura, California.** Project Manager and Engineering geologist from 1998 through present for design-level geotechnical studies for over \$500 million in new facilities and improvements including the Replacement Hospital Wing Project, Replacement Clinic, Medical Laboratory/Kitchen Building, Mental Health Building, Emergency Generator Building, Coroner's Building and forensic evaluation of settlement. Geohazards studies were performed to evaluate the Ventura fault that runs through VCMC campus. Geohazards evaluated included fault rupture potential, ground shaking, liquefaction, seismic settlement, and hydroconsolidation (collapse) potential. Due to excessive settlement from hydroconsolidation, the structures were founded on deep pile foundations or the building pads were overexcavated and the compacted fill was strengthened with geogrids.

### Transportation projects

- **Lewis Road (State Route 34).** Project Manager/Geologist for a 6-kilometer road- and bridge-widening project that crosses the active Simi-Santa Rosa fault zone. The geologic/geotechnical studies for the Lewis Road Overhead Bridge (UPRR Grade Separation) included an integrated seismic refraction/reflection survey with closely spaced cone penetration tests/drill holes to evaluate subsurface stratigraphy/faulting, and a probabilistic fault rupture hazard assessment. The proposed structure is one of three bridges designed for fault offset in California with review and approval by Caltrans. The project design also included innovative solutions for fault offset of a 100-meter long, 10-meter MSE wall and light-weight polystyrene fill to reduce loading on an existing box culvert.

The roadway portion of the study included deflection testing, coring, and exploration to evaluate site conditions and development of pavement overlay and replacement options for four kilometers of existing asphalt concrete paved roadway and three kilometers of new roadway on fills up to 10 meters high. Estimated settlements of up to 0.4 meters are anticipated in saturated, soft clay soils. Wick drains, pore pressure sensors, and settlement monitoring were incorporated into the design and construction to monitoring loading rates and reduce settlement waiting periods.

- **US 101/Springville Road Interchange, Camarillo.** Project manager for a new interchange project consisting of a 4-lane bridge over Highway 101 in Camarillo, California. The subsurface exploration program consisted of a combination of cone penetration tests and drill holes to evaluate the subsurface conditions which consist of interbedded soft to medium stiff fine-grained silt and clay and loose to medium dense granular soil to a depth of 10 to 15 meters underlain by generally stiff fine-grained soil and dense granular soil to a depth of 40 meters. Shallow groundwater is present within 2 meters of the ground surface and up to several inches of liquefaction related settlement was estimated based on the exploration data. After evaluating several different pile foundation alternatives, the design team selected cast-in-steel-shell piles to support the bridge foundations, primarily to provide support during construction. The pile design includes downdrag loads from the liquefiable layers in the upper 15 meters. A settlement monitoring program was recommended to measure settlements and evaluate loading induced by the 8-meter high fill embankments adjacent to the proposed structure.
- **Soundwall Geotechnical Reports, Ventura County.** Project Manager for a county-wide Soundwall Project that included eleven soundwalls on State Routes 23, 118, 126 and US Highway 101 in the cities of Oxnard, Simi Valley, Thousand Oaks, and Ventura, California. The project included approximately 3,400 meters of soundwalls and soundwalls on retaining walls with multiple foundation support systems. The exploration program for the soundwall projects was performed in sequence to reduce mobilization costs and maximize subcontractor efficiency. The foundation design included cast-in-drilled-hole pile and shallow foundation systems. Separate foundation reports and Log of Test Borings were prepared for each City that efficiently bundled related soundwalls into a bidding package.

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## Resume

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**Craig D. Prentice, CEG**  
Principal Engineering Geologist

- **Interstate 5/Magic Mountain Parkway Interchange, Valencia, California.** Project manager geotechnical services for two major interchange improvement projects along I-5 in Valencia. The Magic Mtn. Parkway interchange consisted of replacement of the 8-lane overhead (I5) over Magic Mtn. Parkway (SR 126). The Magic Mtn. Parkway bridge was constructed on large diameter (1 to 2-meter) piles driven approximately 100 feet to address downdrag loading associated with liquefaction of shallow sediments in the foundation area. The Magic Mtn. Parkway construction was performed in conjunction with adjacent Caltrans replacement of the Santa Clara River Bridge.  
The Valencia Blvd. interchange is located about 1 mile south of Magic Mtn. Parkway along I-5. The project included construction of a seven lane replacement bridge over I-5, and new ramps and auxiliary lanes along I-5 between Valencia Blvd. and McBean Parkway. The site is underlain by generally dense alluvium with groundwater below the pile tip depth of 20 meters. The Valencia Blvd. bridge was constructed on 600-mm diameter, 17-meter long, cast-in-drilled-hole piles.
- **US 101/Moorpark Road Interchange Improvements, Thousand Oaks.** Project manager and engineering geologist responsible for preparation of the Materials Report for this interchange improvement project.
- **US 101/Flynn Road Interchange Improvements, Camarillo.** Project manager/engineering geologist responsible for preparation of the Materials Report for new on/off ramps and roadway realignment at Mission Oaks Blvd. and Flynn Road.
- **US 101/Victoria Avenue Interchange Improvements, Ventura.** Project manager supervising materials testing for the undercrossing replacement.
- **State Route 118/Madera Road Interchange, Simi Valley.** Field geologist responsible for collection of subsurface data and preparation of the Foundation Report for the three-lane widening of Madera Road Overcrossing.
- **US 101/Santa Rosa Road Interchange, Camarillo.** Project engineering geologist responsible for subsurface data collection, geotechnical analysis, and preparation of the Foundation Report for this three-lane overcrossing widening.
- **US 101/Johnson Drive Grade Separation, Ventura.** Provided geotechnical criteria during construction of a railroad grade separation project adjacent to the Santa Clara River.
- **State Route 126/Victoria Avenue, Ventura.** Project engineering geologist responsible for providing geological input for preparation of the Materials Report for ramp widening project with geogrid reinforced slope.

### Reservoirs and Treatment Facilities:

- **Santa Paula Water Reclamation Facility.** Project manager and engineering geologist for an award winning 4.5 MGD tertiary treatment facility on a 40-acre site constructed using a design-build-operate/finance contract. Fugro provided geotechnical and hydrogeologic services consisting of initial siting, preliminary and final design, hydrogeologic modeling of effluent percolation, and construction materials testing. Extensive interaction with the regional water quality control board was required to obtain waste discharge requirements (WDR) for the project. Services were provided for both the owner (City of Santa Paula) and DBO team led by Pacific Environmental Resources Corporation. The award winning plant was finished ahead of schedule.
- **Fillmore Water Recycling Plant.** Project manager and engineering geologist for a geotechnical study for a new 2.8 MGD tertiary treatment facility on a 15-acre site constructed using a design-build-operate contract. Fugro provided services to the owner from initial siting, preliminary geotechnical design and geotechnical support during bidding and construction. Extensive interaction with the regional water quality control board was incorporated into our scope of work to achieve compliance for the waste discharge requirement (WDR) permit. The plant came online in August 2009, 2 months ahead of schedule.

## Resume

**Craig D. Prentice, CEG**  
Principal Engineering Geologist

- **Las Posas Basin Aquifer Storage and Recovery Project.** Project manager for geotechnical studies for 20-miles of 60-inch to 72-inch diameter water pipeline for the proposed Las Posas Basin Aquifer Storage and Recovery (ASR) Project. The project also included two 5-million gallon reservoirs, an onsite water treatment plant, and a pump/hydro station. Geohazard evaluations and innovative geotechnical design criteria were provided for the pipeline alignment, which crosses the active Simi-Santa Rosa fault and several creeks including Arroyo Simi and Grimes Canyon.
- **Reservoir Cover Projects.** Geotechnical studies for cover structures for Sheffield, Ortega, and Carpinteria Reservoirs in Santa Barbara County, California. Reservoir covers are required to meet Department of Health Services Surface Water Treatment Rules.
- **Arundell Canyon Dam, County of Ventura Flood Control District, Ventura.** Geologist for a 60- to 70-foot-high flood control dam that was designed and constructed to California Department of Water Resources, Division of Safety of Dams standards.
- **Calleguas Water Filtration Plant, Calleguas Municipal Water District, Thousand Oaks.** Project geologist/manager for the 5-million-gallon per day water treatment plant on a hillside site. Geohazard evaluations for slope stability and fault offset included downhole logging of bucket auger drill holes to evaluate potential out-of-slope bedding in cut slopes and backhoe trenching to identify the age of geologic offset by onsite faulting.
- **Las Virgenes Municipal Water District, Calabasas.** Project geologist for Phase III and IV expansion at the Tapia Water Reclamation Facility and the District's headquarters building.
- **Hill Canyon Water Reclamation Plant, Thousand Oaks.** Project manager/geologist for multi-phase geotechnical studies for upgrades to the treatment plant processes. The studies evaluated soil and rock engineering properties, and hydrogeologic site characteristics. The studies provided design criteria for deeply buried tanks adjacent to existing structures.
- **Tapia Water Reclamation Facility, Las Virgenes Municipal Water District, Calabasas.** Project geologist for the Phase III and Phase IV site improvements. The evaluation included ground improvements consisting of stone columns to reduce liquefaction potential.
- **Goleta Water Reclamation Plant, Goleta.** Project geologist/manager for the 3-million gallons per day treatment facility that included evaluation of active faulting and 25-foot-deep cuts adjacent to high travel roadways.
- **Weymouth Water Filtration Plant, Metropolitan Water District of Southern California, La Verne.** Project geologist for the oxidation retrofit and sludge dewatering program improvements. The study included an integrated exploration program with CPT, drilling, and geophysics to evaluate site conditions.
- **Ventura Avenue Water Treatment Plant and Distribution System, Ventura.** Geotechnical project manager for treatment plant and pipeline distribution system upgrade project. Key project elements included high groundwater and soft compressible soils. Fugro worked with design engineer to site new facilities with minimal overexcavation to reduce dewatering costs.
- **Toland Road Landfill, Fillmore.** Project engineering geologist for a multi-phase fault-hazard evaluation study for the landfill expansion.

### Pipelines and Tunnels:

- **Ventura River Inverted Siphon Pipeline Project.** Project manager and geologist for geotechnical and geophysical study for a 3,200-foot-long, 150-foot-deep directionally drilled inverted siphon beneath the Ventura River. The study included a high-resolution geophysical survey and subsurface exploration to evaluate subsurface soil and groundwater conditions. An innovative HDD test drill was performed during design to demonstrate the feasibility of HDD within the alluvial deposits with boulders up to 8 feet in diameter.
- **Newport Trunk Sewer Force Mains Project Geotechnical Engineering Study, Orange County.** Project manager for geotechnical study that included subsurface exploration to characterize site

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## Resume

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### **Craig D. Prentice, CEG**

Principal Engineering Geologist

conditions and preparation of a geotechnical data report (GDR) and geotechnical baseline report. (GBR) utilizing ASCE guidelines for a 1,370-foot-long, 8-foot diameter tunnel installed under the Santa Ana River using a microtunnel boring machine. Pipeline and tunnel construction completed in 2010.

- **South Coast Conduit Geohazard Study, Santa Barbara.** Multiphase geohazard study for the 50-mile long South Coast Conduit (SCC) from Lake Cachuma to Carpinteria in Santa Barbara County. The 50-year-old, cross country pipeline was constructed by the US Bureau of Reclamation and is maintained by the Cachuma Operations and Maintenance Board (COMB). Geohazard studies identified geologic and seismic hazards such as landsliding, slope instability, erosion/scour, faulting, liquefaction that could impact pipeline operations and provided geotechnical recommendations to protect and extend the pipeline life.
- **Transbay Sanitary Sewer Force Main Pre-Design Study, City of Coronado.** Project manager and geologist for a preliminary geotechnical study and geophysical mapping for a 1,500-foot-long sewer force main beneath San Diego Bay from Coronado Island to San Diego.
- **Port of Los Angeles Sewer/Water Pipeline Relocations, Channel Deepening Project.** Project geologist for geotechnical study that included over water drill holes for the relocation of five sewer force mains and water pipelines for the City of Los Angeles Departments of Public Works and Water and Power. Construction methods include directional drilling and microtunneling techniques.
- **Bristol Relief Sewer, City of Ventura.** Project geologist for a 7-mile sewer pipeline that included about 3,000 feet of microtunneling. Key project elements included groundwater/dewatering and settlement of soft clay soils.
- **Lake Palmdale Bypass Pipeline and Pump Station.** Project manager for a geotechnical study and geophysical survey for pump station and a 2,500-foot-long pipeline located beneath Lake Palmdale. The pipeline crosses the active San Andreas fault.
- **Unit W Sewer Pipeline, Thousands Oaks.** Project manager/geologist for a 2-mile-long (two 1-mile-long segments), 24 to 48-inch diameter pipeline in Arroyo Conejo. Key project elements involved surface/groundwater diversion during construction, excavation/blasting of volcanic rock, tunnel evaluation, and pipeline protection in active stream environment.
- **Calabasas Reclaimed Water Distribution System, Las Virgenes Municipal Water District, Calabasas.** Project geologist for the 20,000-foot multiphase reclaimed water distribution system ranging from 6 to 24-inches in diameter.
- **Perchlorate Pipeline Project Geotechnical Study, Santa Clarita.** Project manager for geotechnical services for the proposed Castaic Lake Water Agency (CLWA) Groundwater Production Restoration Pipelines Project and Containment Facilities Pipelines. The proposed project will involve constructing 10-inch to 30-inch diameter cement mortar lined and coated pipelines.
- **Simi Reclaimed Water System, Pilot Project, Calleguas Municipal Water District, Simi Valley.** Project geologist/manager for the first phase of the 24-inch-diameter reclaimed water distribution pipeline and pump station. Key project elements included pipe jacking beneath Los Angeles Avenue and Union Pacific Railroad tracks.

### **Hospitals, Schools, Correction Facilities, and Public Buildings**

- **Santa Barbara Cottage Hospital, Santa Barbara, California.** Project engineering geologist responsible for geohazard study to evaluate a recently mapped fault through the site where \$300 million new hospital facilities are planned for construction by 2008. The site is located in an urban setting that precluded trenching to evaluate the postulated fault associated with More Ranch/Mission Ridge fault zone. A multi-disciplined geologic evaluation using high-resolution seismic refraction and reflection studies in combination with continuous sonic coring was utilized to develop a subsurface profile to demonstrate that the earth materials beneath the hospital site were not offset by faulting. The geologic studies were reviewed and approved by the California Geologic Survey.

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## Resume

**Craig D. Prentice, CEG**  
Principal Engineering Geologist

- **El Rio Juvenile Justice Facility, Oxnard, California.** Engineering geologist/project manager responsible for geohazard evaluation portion of geotechnical study for a \$80 million juvenile justice facility that included 4 detention buildings and courts building and is under construction in 2004. The studies included subsurface exploration to evaluate liquefaction and seismic settlement potential of the primarily granular alluvium beneath the site. The geotechnical reports were reviewed by the State of California, Office of the State Architect.
- **California State University, Channel Islands, Camarillo.** Supervising project geologist for development of campus facilities and associated development with 900 residences, retail, research center, and public school uses. Provided development grading and design recommendations for infrastructure, roadways and campus facilities. Performed slope stability analyses and provided geotechnical observation and monitoring during mass grading and construction.
- **Moorpark College Learning Resource and Telecommunications Center, Moorpark, California.** Engineering geologist responsible for the geohazard portion of a 2004 geotechnical study to evaluate potential faulting associated with the Canada de La Brea fault. The geohazard study included aerial photographic mapping to identify lineaments and backhoe trenching to observed subsurface stratigraphy. The trenches documented interbedded alluvial strata that was unfaulted. The geotechnical studies were reviewed and approved by the State of California, Division of the State Architect. The construction cost is estimated to be \$13 million.
- **Ventura County Jail, Santa Paula.** Project geologist for the \$30-million jail facility that included heavily loaded structures on soft interbedded alluvial deposits with high groundwater, and a fault evaluation study.
- **Ronald Reagan Presidential Library, Simi Valley, California.** Engineering geologist responsible for field exploration program, soil and rock laboratory testing, and rock slope stability evaluation for the \$50 million, three-story presidential library with a footprint of about 40,000 square feet. The building, which was constructed during 1994/1995, was excavated into hard volcanic rock that required blasting.
- **Morrison Homes, Calabasas.** Project engineering geologist for development of more than 1,000 homes in a large-scale residential subdivision in Ventura and Los Angeles Counties. Project included estate-type residential lots and supporting infrastructure (bridges, roads, utilities, parks, etc.).

### Professional Affiliations:

- American Council of Engineering Companies ACEC-CA., Channel Coast Chapter, Past President
- American Association of Petroleum Geologists (AAPG)
- Association of Engineering Geologists (AEG)
- Coast Geologic Society (CGS), Past Treasurer
- American Public Works Association (APWA), Ventura County Chapter, Past President

### Publications and Presentations:

"Ventura Fault" and "Landslide Exploration, Western End of South Mountain, Ventura County, California," in Engineering Geology along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California, 1991 Annual Field Trip Guidebook, Southern California Section, Association of Engineering Geologists.



Campus Box 1224  
University of California, San Francisco  
San Francisco, CA 94143-1224

December 5, 2011

David Lippman  
Director, Facilities & Operations  
Las Virgenes Municipal Water District  
4232 Las Virgenes Road  
Calabasas, CA 91302

Dear Mr. Lippman:

You have asked me to provide information and recommendations regarding the risk of exposure to coccidioidomycosis (aka "Valley Fever") as a result of construction activities planned for the proposed five million gallon tank adjacent to Las Virgenes Reservoir.

As a preface to my specific comments, the location of your facility borders areas that have been shown or suspected to harbor *Coccidioides* spp. fungus, the etiologic agent of Valley Fever. As you know, the 1994 Northridge Earthquake in the Santa Susana Mountains north of Simi Valley caused significant landslides and resulted in a focal epidemic of Valley Fever due to the dispersion of fungal-laden dust in a pattern extending southwest from the epicenter. And a coccidioidin skin-test study performed in 1950 in high school students from various locations in the LA basin showed 8% reactivity in subjects from nearby Calabasas. Thus, while I am unaware of any published information that specifically documents that Agoura Hills or Westlake Village is considered endemic for *Coccidioides* spp., it is possible that this is the case.

Soil sampling:

On November 22, 2011, I conducted a soil sampling survey on the grounds of your facility. The samples were taken from several spots within the footprint of the proposed tank on Site A and Site C, areas adjacent to Sites A and C, and along the access road that connects the main dam to the Site C location. The purpose of the sampling was to obtain soil to assay by a polymerase chain reaction (PCR) assay designed to detect DNA from the *Coccidioides* spp. fungus. These assays are similar in design to those used in forensic and clinical medicine, and have a high degree of sensitivity.

Sites A and B are in areas identified by you as having been excavated for rock fill during the construction of the dam in 1970-1971. From the surrounding topography, it was evident that several feet of soil and rock



had been removed from Site C, while Site A had varying depths of soil and rock removed, depending on the precise location. The samples from undisturbed soil were collected at depths of 4-10" as it is generally known that the fungus is not typically found at the surface, due to environmental exposure to UV light or sub-freezing temperatures, and is not found at depths below 1-2 feet because the fungus needs oxygen to propagate. Other samples were collected from rodent burrows found in a few areas adjacent to Site C or along the access road. Based on information provided by you, the area experienced heavy rainfall totaling over 0.8" on Sunday, November 20. Due to the composition of the ground, which was a combination of fractured rock and loamy soil, I found that moisture from the rain had uniformly penetrated to at least 12" below the surface. I did not collect a single sample that had dry soil; the significance of this will be explained, below.

In addition to the collection of soil samples, I walked the areas to look for evidence of burrowing mammals as the presence of such mammals and their burrows in endemic areas is well-established to be associated with both the harboring of and the dispersal of the *Coccidioides spp.* fungus. Stated differently, animal burrows in endemic areas have soil that is generally enriched for the *Coccidioides* fungus, compared to undisturbed soil. My examination of the two areas within Site A and Site C identified as the footprint for the proposed tank did not reveal a single rodent burrow consistent with a small burrowing mammal. Outside the western edge of Site C, adjacent to the reservoir, I did find burrows created by pocket gophers, voles and possibly mice. I also found owl pellets in Site C that had bone fragments consistent with the aforementioned rodents. In contrast, I did not find a single rodent burrow within Site A or around the perimeter of Site A.

Despite the high proportion of rock in the soil of the footprint at each of Site A and Site C, there is sufficient soil and organic matter such that microbes such as *Coccidioides spp.* could grow. However, a mitigating fact is that much of the surface soil from the two sites was removed during the construction of the dam, which would likely have removed the layer in which the *Coccidioides* fungus could have been established. In order for the *Coccidioides* fungus to re-establish itself at either site, it would have had to have been re-introduced. The primary means of dispersal of the fungus into new habitat is either by: 1) airborne fungus from some site of soil disruption; or 2) burrowing rodents either contaminated by (on the fur) or infected with the fungus, with the rodent dispersal generally regarded as the primary means by which the fungus spreads. While either mechanism is possible, the absence of burrows within Site A and Site C reduces the likelihood of this having occurred by the latter mechanism. I cannot, however, rule out that burrows created several years ago could have existed and have now become unapparent.

The area with the highest concentration of burrows was the access road and the flanking hillside between the main dam and Site C. This area has a higher proportion of soil to rock and also has warm south to southeast exposure, both of which would favor animal habitat as well as the growth of microflora, including *Coccidioides spp.* (most fungi do not survive freezing temperatures).

Dust mitigation:

In construction projects conducted in areas known to be endemic for the *Coccidioides* fungus, measures to control dust resulting from excavation are routinely implemented. The effectiveness of dust control measures in reducing or preventing incidence of coccidioidomycosis is assumed, but few studies have actually documented the benefit. The seminal study was conducted during World War II by Dr. Charles Smith, who studied the incidence of infection and disease at certain military airfields in rural areas of the Central Valley during World War II. As most of the military personnel were from areas outside the Central Valley, they did not have pre-existing immunity to this disease and the incidence of Valley Fever was very high. In an attempt to lessen the risk of exposure, dust control measures were implemented, included paving and oiling of roads and open soil, planting grass, and restricting training and recreational activities that exposed military personnel to dust. One set of data indicated that while the infection rate (determined by skin testing) at Minter Field in the year prior to institution of dust control measures was 12.2%, the rate fell to 6.9% in the year following institution of dust control measures. A similar 50% reduction was seen at Lemoore airfield when dust control was instituted at this base (it should be noted that while the areas of open soil were reduced, they were not eliminated, and that the bases remained surrounded by open agricultural fields). Not surprisingly, there are greater numbers of publications documenting instances where the failure to institute appropriate dust control measures in projects involving soil disruption leads to focal outbreaks of Valley Fever, with a recent example having occurred at a pipeline project at Camp Roberts where 10 of the 12 workers on the project experienced symptomatic disease (publication enclosed).

An additional factor that adds support to the effectiveness of dust control measures in reducing risk of exposure to Valley Fever is the inverse relationship between rainfall and the incidence of disease. Numerous epidemiologic studies, including the aforementioned studies of Smith, have demonstrated a steep decline in the incidence of reported coccidioidal disease in an area endemic for *Coccidioides* upon the onset of a sufficiently heavy rainy season. In California, the rate of Valley Fever generally remains low from Winter through Spring, and the incidence typically increases in Summer and Fall. Southern Arizona has a bimodal annual precipitation pattern with one peak in summer and one in winter, and experiences a concomitant bimodal pattern of disease. The reasons for this are two-fold. First, moistened soil contaminated with *Coccidioides* fungus is less able to become aerosolized. Second, with rainfall the spores of the *Coccidioides* fungus germinate and grow as vegetative hyphae that remain anchored in the soil and, even if dislodged from the soil, are too large to be inhaled into the alveoli of the lung (required to initiate infection).

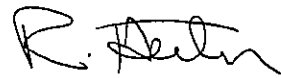
Thus, the risk of exposure and acquisition of coccidioidomycosis can be diminished in a construction project if it is conducted after onset of a rainy season and/or sufficient water is applied in advance and during the disruption of soil. With respect to the proposed Sites A and C, my finding that the soil was uniformly wet to a depth of at least 12" two days after the rainfall of November 18 supports that watering to control dispersal of dust should be effective as the rocky soil is easily penetrated by water. Specific to the activities planned for your proposed project, the covering of the

soil with tarps or other such barriers to reduce dust during blasting would further reduce the risk of exposure.

Finally, while multiple outbreaks of Valley Fever due to soil disruption have been documented, the reported cases of focal epidemics due to mechanical disruption of soil uniformly only involve persons who were actually engaged in the handling or moving of soil (indeed, in an epidemiologic work-up of an outbreak in workers infected during a construction project in Dinosaur National Monument in 2001, 40 other park employees not involved in the project had negative coccidioidal serology results). Even though the spores of the *Coccidioides* fungus have the ability to travel great distances, as the cases resulting from the Northridge Earthquake demonstrated, I am unaware of reports that the movement of comparatively small amounts of soil results in infections in persons some distance from the site of disruption, suggesting that the risk of infection in residents near the Las Virgenes Reservoir is low, particularly if appropriate dust control measures are implemented.

I hope that these comments and recommendations are helpful. Please let me know if I can provide any additional information.

Sincerely yours,



Richard F. Hector, Ph.D., J.D.

cc: enclosures



Campus Box 1224  
University of California, San Francisco  
San Francisco, CA 94143-1224

March 21, 2012

David Lippman  
Director, Facilities & Operations  
Las Virgenes Municipal Water District  
4232 Las Virgenes Road  
Calabasas, CA 91302

Dear Mr. Lippman:

I am writing to report that we have completed all testing on the soil samples collected from your facility, and this letter shall serve as the report.

Soil sampling:

On November 22, 2011, I conducted a soil sampling survey on the grounds of your reservoir facility. The samples were taken from several spots within the footprint of the proposed tank on Site A and Site C, areas adjacent to Sites A and C, and along the access road that connects the main dam to the Site C location. The purpose of the sampling was to obtain soil to assay by a polymerase chain reaction (PCR) assay designed to detect DNA from the *Coccidioides* spp. fungus.

Soil testing:

All testing procedures were conducted at UC Davis. We tested for *Coccidioides* DNA using a 3 step "nested" PCR that was adapted from methods recently published in *Fungal Ecology* 5(2):177-190 (2012). If *Coccidioides* DNA is present in the sample in detectable quantities, the assay results in production of a 170 base pair PCR product. The presence or absence of this product is determined by agarose gel electrophoresis and staining. Positive and negative control reactions are run along with the test sample. Test results are considered valid, within the sensitivity parameters of the assay, if a PCR product is obtained from the positive control reaction and no products are observed in the negative control reactions.

Results:

Under the conditions of the testing, no PCR products consistent with *Coccidioides* DNA were visualized from any of the samples. A table of the results is attached summarizing the origin of the samples and the results.

Interpretation of Results:

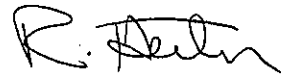
The failure to detect DNA consistent with *Coccidioides* spp. should not be interpreted to mean that the fungus does not exist in the soils of your facility. The methods have limitations of sensitivity such that a threshold fungal burden would have to be exceeded in any given sample before it would be detected by the methods. Having said this, a good number of samples were collected and tested, and it is my professional opinion that the sampling and testing methods were sufficient to address your concerns about the potential risk of exposure for *Coccidioides* spp. resulting from the construction activities associated with the proposed construction.

Recommendations:

As I previously communicated to you, the implementation of dust-control measures during construction at your facility is still recommended and is consistent, I believe, with the requirements of air quality control regulations in your county.

I hope that these efforts and recommendations are helpful. Please let me know if I can provide any additional information or service in this matter.

Sincerely yours,



Richard F. Hector, Ph.D., J.D.

cc: Dr. S. Johnson, UC Davis  
Enclosure

## LVWD Collection 11/22/2011

Sample	Description	PCR Result	Positive Control	Negative Control
101	Site C undisturbed soil	-	+	-
102	Site C undisturbed soil	-	+	-
103	Site C undisturbed soil	-	+	-
104	Site C undisturbed soil	-	+	-
105	Site C undisturbed soil	-	+	-
106	Site C undisturbed soil	-	+	-
107	Site C undisturbed soil	-	+	-
108	Site C undisturbed soil	-	+	-
109	Site C undisturbed soil	-	+	-
110	Owl Regurgitations	-	+	-
111	Site C undisturbed soil	-	+	-
112	Site C burrow	-	+	-
113	Site C burrow	-	+	-
114	Site C burrow on road	-	+	-
115	Site C burrow on road	-	+	-
116	Hillside along road	-	+	-
117	Hillside burrow along road	-	+	-
118	Site A undisturbed soil	-	+	-
119	Site A undisturbed soil	-	+	-
120	Site A undisturbed soil	-	+	-
121	Site A undisturbed soil	-	+	-
122	Site A undisturbed soil	-	+	-
123	Site A undisturbed soil	-	+	-
124	Site A top of bluff	-	+	-
125	Site A top of bluff	-	+	-
126	Site A fence line	-	+	-
127	Site A fence line	-	+	-
128	Site A large burrow	-	+	-
129	Site A near gate	-	+	-
130	Site A gate	-	+	-
131	Site A East side edge of tank site	-	+	-
132	Site A NE corner of site	-	+	-