

In light of the Governor's Executive Orders N-25-20 dated March 12, 2020 and N-29-20 dated March 17, 2020 (collectively, the "Executive Order") issued in response to the Covid-19 outbreak, the WQA Board Has Suspended Application of Certain Public Meeting Requirements otherwise required under Brown Act during the term of the Executive Order, Including Restrictions and Noticing Requirements Relating to the Conduct of Teleconferenced Board Meetings.

Due to the essential nature of the WQA Board Meetings in conducting Authority business, the WQA Board meeting will take place via online and teleconference.

Copies of Executive Order will be made available to members of the public upon request.

You may join the meeting by clicking on the following link:

<https://attendee.gotowebinar.com/register/5614127670289591056>

Public comments can be emailed prior to the meeting to stephanie@wqa.com

**A REGULAR MEETING
OF THE
SAN GABRIEL BASIN WATER QUALITY AUTHORITY
AT
1720 W. CAMERON AVENUE, SUITE 100
WEST COVINA, CALIFORNIA**

WEDNESDAY, JULY 15, 2020 AT 12:00 P.M.

AGENDA

I. CALL TO ORDER MARQUEZ

II. PLEDGE OF ALLEGIANCE

III. ROLL CALL OF BOARD/COMMITTEE MEMBERS MORENO

Jorge Marquez, Chairman	_____	_____ (alt)
Bob Kuhn, Vice-Chairman	_____	_____ (alt)
Mark Paulson, Treasurer	_____	_____ (alt)
Valerie Munoz, Secretary	_____	_____ (alt)
Lynda Noriega	_____	_____ (alt)
Mike Whitehead	_____	_____ (alt)
Ed Chavez	_____	_____ (alt)

IV. PUBLIC COMMENTS (Agendized Matters Only): MARQUEZ

As provided under Government Code Section 54954.3, this time has been set aside for persons in the audience to provide comment or make inquiries on matters appearing on this Special Meeting agenda only. Please complete the appropriate request card and submit it to the Secretary, prior to the item being heard. A five-minute time limit on remarks is requested.

V. ITEMS TOO LATE TO BE AGENDIZED - Recommended Action: MARQUEZ

Approve motion determining need to take action on item(s) which arose subsequent to posting of the Agenda (ROLL CALL VOTE: Adoption of this recommendation requires a two-thirds vote of the Board or, if less than two-thirds of Board members are present, a unanimous vote)

VI. CONSENT CALENDAR

MARQUEZ

(Consent items may all be approved by single motion) [enc]

- (a) Minutes for 6/17/20 Regular Board Meeting
- (b) Demands on Administrative Fund
- (c) Demands on Project Fund

VII. COMMITTEE REPORTS

(These items may require action)

None.

VIII. OTHER ACTION/INFORMATION ITEMS

MARQUEZ

(These items may require action)

- (a) Discussion/Action Regarding Task Order for Avocet Environmental to Implement Proposition 1 SEMOU Site Source Investigation Project [enc]
- (b) Report on Cash and Investments for 2nd Quarter 2020 [enc]

IX. PROJECT REPORTS

COLBY

- (a) Treatment Plants:

		<u>Status</u>
1.	Baldwin Park Operable Unit	
	• Arrow/Lante Well (Subarea 1)	Operational
	• Monrovia Wells	Operational
	• SGVWC B6 Plant	Operational
	• SGVWC B5 Plant	Operational
	• CDWC Well No. 14	Operational
	• La Puente Valley County Water District	Operational
2.	El Monte Operable Unit	
	• Eastern Shallow Zone	Operational
	• Eastern Deep Zone	Operational
	• GSWC Encinita Plant	Operational
	• Western Shallow Zone	Operational
3.	South El Monte Operable Unit	
	• Whitmore Street. Ground Water Remediation Treatment Facility	Operational
	• City of M.P. Well No. 5 VOC Treatment Facility	Operational
	• City of M.P. Well No. 12 VOC Treatment Facility	Operational
	• City of M.P. Well No. 15	Operational
	• City of M.P. Well Nos. 1, 3, 10 VOC Treatment Facility	Operational
	• GSWC Wells SG-1 & SG-2	Operational
	• SGVWC Plant No. 8	Operational
4.	Puente Valley Operable Unit	
	• Shallow Zone	Design

- Deep Zone Construction
- 5. Area 3 Operable Unit
- City of Alhambra Phase 1 Operational
- City of Alhambra Phase 2 Operational

X. ATTORNEY'S REPORT **PADILLA**

XI. EXECUTIVE DIRECTOR'S REPORT **SCHOELLERMAN**

XII. FUTURE AGENDA ITEMS **MARQUEZ**

XIII. INFORMATION ITEMS [enc] **MARQUEZ**

- (a) Press Release Regarding the Passing of Former SGVMWD Director Raul Romero
- (b) San Gabriel Basin Water Calendar

XIV. FUTURE BOARD/COMMITTEE MEETINGS **MARQUEZ**

- (a) The next WQA Board meeting is scheduled for Wednesday, August 19, 2020 at 12:00 P.M. at WQA

XV. BOARD MEMBERS' COMMENTS/REPORTS **MARQUEZ**

XVI. ADJOURNMENT **MARQUEZ**

Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection in the lobby of the Authority's business office located at 1720 W. Cameron Ave., Suite 100, West Covina, CA 91790, during regular business hours. When practical, these public records will also be made available on the Authority's internet web site, accessible at www.wqa.com.

DRAFT

A REGULAR MEETING OF THE SAN GABRIEL BASIN WATER QUALITY AUTHORITY JUNE 17, 2020 AT 12:00 P.M.

To the extent authorized by the Governor's Executive Order N-25-20 dated March 12, 2020 ("Executive Order") issued in response to the Covid-19 outbreak, the WQA Board Reserved the Right to Suspend Application of Certain Public Meeting Requirements Under the Brown Act during the term of the Executive Order, Including Restrictions and Noticing Requirements Relating to the Conduct of Teleconferenced Board Meetings.

Due to the essential nature of the WQA Board Meetings in conducting Authority business, the WQA Board meeting took place on Wednesday, May 20, 2020 at 12:00pm online and teleconference.

CALL TO ORDER

The Chairman called the regular meeting of the San Gabriel Basin Water Quality Authority to order and reviewed the actions anticipated on the agenda for the meeting.

ROLL CALL OF BOARD MEMBERS

Jorge Marquez, Bob Kuhn, Lynda Noriega, Valerie Munoz, Mike Whitehead, Mark Paulson and Ed Chavez.

BOARD MEMBERS ABSENT

None.

STAFF MEMBERS PRESENT

Ken Manning, Executive Director; Randy Schoellerman, Assistant Executive Director/Sr. Engineer; Mary Saenz, Director of Finance; Stephanie Moreno, Executive Assistant/Outreach Coordinator; Michelle Sanchez, Admin/Accounting Assistant; Richard Padilla, Legal Counsel

MEMBERS OF THE PUBLIC PRESENT

None.

MEMBERS OF THE PUBLIC THAT PARTICIPATED VIA ONLINE/TELECONFERENCE

Jennifer Santana, Upper District; Lenet Pacheco, Valley County Water District; David Muse, Valley County Water District; Al Contreras, Upper District; Chris Lancaster, Civic Publications; Craig Gott, Suburban Water Systems; Garry Hofer, California American Water; Robert Grantham, Hoffman & Grantham, LLP; Veva Weamer, Wildermuth Environmental, Inc.; Gabriel Monares, The Monares Group

PUBLIC COMMENT

ITEMS TOO LATE TO BE AGENDIZED

None.

CONSENT CALENDAR

Mr. Kuhn moved to approve the consent calendar. Ms. Noriega seconded the motion and it was approved. Mr. Whitehead abstained from Project Demand No: E90860 and Ms. Noriega abstained from Project Demand E90859.

COMMITTEE REPORTS

None.

**OTHER
ACTION/INFORMATION
ITEMS**

Discussion/Action Regarding Re-Affirming WQA Investment Policy and Guidelines

Mr. Manning reported that the WQA investment guidelines require WQA to invest its public funds in a manner which will provide the highest investment return while meeting the daily cash flow demands, maintaining an appropriate risk level and conforming to all state and local statutes. Procedure No. 26 itemizes the acceptable investment instruments for the WQA and includes a specific requirement that investments be limited to a 12-month term. He noted that the WQA Investment Policy was affirmed by the Board last fiscal year on August 21, 2019.

Mr. Kuhn requested that the Board review this policy after the next budget year has started.

After brief discussion, Mr. Kuhn moved to defer this item until September. Ms. Noriega seconded the motion and it was approved.

Discussion/Action Regarding Proposed Services Provided by Civic Publications

Mr. Manning reported that Civic Publications has submitted proposals for three different services for the WQA.

He reported that the first proposal was for several WQA advertorials that Civic Publications produces and publishes in the Los Angeles Times and the San Gabriel Valley Newspaper Group. He indicated that the proposal was the same as last years in the amount of \$115,174.

The second proposal was for Civic Publications to produce the WQA's annual report. He indicated that Civic Publications works with staff all year long to produce the advertorials where much of that content would be included in the annual report. He noted that the \$13,275 proposal is the same amount as last year.

The third proposal was for accounting services in an amount not to exceed \$15,000. He indicated that Judy Lancaster, who is the President of Civic Publications, has a great deal of experience in the public accounting field. He reminded the committee that in lieu of hiring a staff accountant as a permanent employee, the Board has authorized the engagement of an experienced professional accountant as a consultant to the WQA on an as needed basis. He reported that staff is requesting that the WQA renew the contract with Civic Publications to provide accounting consulting services for the period of July 1, 2020 to June 30, 2021 in an amount not to exceed \$15,000. He noted that Ms. Lancaster has many years of experience in working with governmental agencies, including the WQA for which she consulted on a time study prepared for the Environmental Protection Agency. Finally, he explained that because of her experience and knowledge, staff

was recommending the engagement of Ms. Lancaster as the accounting consultant for the fiscal year 20/21.

Mr. Kuhn suggested that WQA should consider raising the amount for Accounting Services to \$20K in September, if needed.

Mr. Marquez asked if there would be any social media incorporated into the outreach. Mr. Lancaster indicated that he had spoken with Ms. Moreno about it and they had a plan to implement it.

Mr. Kuhn moved to approve all three proposals from Civic Publications. Ms. Noriega seconded the motion and it was approved.

Ms. Munoz entered the meeting.

Discussion/Action Regarding Cost of Living Adjustment (“COLA”) for Exempt and Non-Exempt Staff

Mr. Manning reported that Procedure 40 establishes the Cost of Living Adjustment (COLA) procedures for WQA Employees and that the COLA increase is based on the April Consumer Price Index for All Urban Consumers (“CPI-U”). He indicated that the policy differentiates between Exempt and Non-Exempt employees, as shown below.

- 1) *Exempt employees*: provides for an increase in the salary ranges by the April CPI-U.
- 2) *Non-Exempt employees*: provides for an increase in both the salary ranges and the actual salaries by the April CPI-U.

He noted that the CPI-U percentage increase from April 2019 to April 2020 was 0.7%.

Mr. Paulson moved to approve the following:

- Increase the salary ranges for both Exempt and Non-Exempt employees by 0.7%.
- Increase the salaries of the Non-Exempt employees by 0.7%.

Mr. Whitehead seconded the motion and it was unanimously approved.

Mr. Kuhn requested that this item be revisited again later this year for further discussion.

Discussion/Action Regarding Consulting Agreement with Ken Manning

Mr. Manning reported that to assist in the agency’s transition to the new Executive Director, the WQA Board expressed an interest in pursuing a consulting agreement with him upon his

June 30, 2020 retirement to provide as-needed consulting services for his successor.

Mr. Padilla gave a brief background on the agreement and indicated that it was in line with a standard agreement for consulting services at \$4,000 per month for 6 months.

Ms. Noriega expressed concern that there may be issues related to the passage of AB 5. Mr. Padilla noted that there should not be an issue in this situation. However, he would look at AB 5 again.

After some discussion, Mr. Paulson moved to approve the consulting contract with Mr. Manning pending the applicability and review of AB 5 by legal counsel. Ms. Munoz seconded the motion and it was approved.

***Discussion Regarding the
Cancellation of the July WQA
Board Meeting***

After some discussion, Mr. Whitehead moved to not cancel the Board Meeting for July. Ms. Munoz seconded the motion and it was approved.

***Discussion/Action Regarding
Resolution No. 20-004, A
Resolution of the Board of
Directors of the San Gabriel Basin
Water Quality Authority Honoring
the Retirement of Kenneth R.
Manning***

Mr. Whitehead moved to adopt Resolution No. 20-004, A Resolution of the Board of Directors of the San Gabriel Basin Water Quality Authority honoring the retirement of Kenneth R. Manning. Ms. Munoz seconded the motion and it was adopted by the following roll call vote:

AYES: MARQUEZ, KUHN, PAULSON, MUNOZ,
NORIEGA, WHITEHEAD, CHAVEZ

NO: NONE

ENGINEER'S REPORT

Mr. Schoellerman gave a brief report on the Prop 1 grant for the Whitmore project, and noted that the Prop 1 SEMOU site investigation grant agreement was fully executed. He reported that WQA staff had been communicating with Prop 68 grant staff and working on a way to increase the funding available for WQA's application. However, there were no award recommendations announced yet. He lastly noted that construction continued in the PVOU.

ATTORNEY'S REPORT

None.

**EXECUTIVE DIRECTOR'S
REPORT**

Mr. Manning noted that the proposal to modify the Prop 68 application in a new way to increase the funding was the work of Mr. Schoellerman. He reported that the WQA office was closed to the public and available by appointment only Monday through Thursday. He reported that staff continues to work from home and come into the office on a limited basis. He also reported that the 97-005 User Guide that has been in the works is now in a final draft and should be published soon. He indicated that the language WQA has been working on in the Energy and Water bill was being marked up and WQA is

continuing to press to get that language passed. He noted that if the WQA does not get some federal funding in the next few years it needs to have some serious discussions on a new strategy. He lastly noted that Ms. Moreno did a great job overseeing the redesign of WQA's new website and he encouraged everyone to visit it.

FUTURE AGENDA ITEMS

None.

**FUTURE BOARD AND
COMMITTEE MEETINGS**

The next WQA Board meeting will be held on Wednesday, July 15, 2020 at 12pm.

**BOARD MEMBERS'
COMMENTS/
REPORTS**

Many members of the Board congratulated Mr. Manning on his retirement and welcomed Mr. Schoellerman to his new position.

Mr. Marquez commented that the WQA has an amazing team.

ADJOURNMENT

The Chairman asked if there were any other items of business to come before the Board. There being none, the meeting was adjourned to July 15, 2020.

Jorge Marquez
Chairman

Valerie Munoz
Secretary

DRAFT

The following demands on the Administration Fund Account at Bank of the West are hereby submitted for payment.

Check No.	Payable to	Description	Amount
D01714	Bob Kuhn	Board Member Compensation for June 2020	
		4 Days WQA Business	597.72
		Meeting/Travel Expenses/Other	25.02
		Less Deferred Compensation	(551.99)
		Less Taxes Withheld	(45.73)
			25.02
D01715	Michael Whitehead	Board Member Compensation for June 2020	
		1 Day WQA Business	149.43
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(11.43)
			138.00
D01716	Ed Chavez	Board Member Compensation for June 2020	
		6 Days WQA Business	896.58
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(68.59)
			827.99
D01717	Jorge Marquez	Board Member Compensation for June 2020	
		5 Days WQA Business	747.15
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(376.65)
			370.50
D01718	Valerie Munoz	Board Member Compensation for June 2020	
		5 Days WQA Business	747.15
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(57.15)
			690.00
D01719	Mark Paulson	Board Member Compensation for June 2020	
		1 Day WQA Business	149.43
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(11.43)
			138.00
D01720	Lynda Noriega	Board Member Compensation for June 2020	
		1 Day WQA Business	149.43
		Meeting/Travel Expenses/Other	0.00
		Less Deferred Compensation	0.00
		Less Taxes Withheld	(11.43)
			138.00
EFT/ACH	SGBWQA - Payroll Fund	Replenish payroll fund for June 2020	
		Staff Payroll	112,190.76
		Board Deferred Compensation-Lincoln Life	551.99
		Board Payroll Taxes - Federal & State	845.32
			113,588.07
		Total replenishment to payroll fund	115,915.58
EFT/ACH	SGBWQA - Revolving Fund	Replenish revolving fund for 6/01/20 to 6/30/20 disbursements	
		Group Insurance	4,605.67
		Dues and Subscriptions	250.00
		Office Supplies	791.46
		Telephone Service	1,132.61
		Postage	39.87
		Plant & Water Service	213.51
		Misc. Office Expense	40.00
		Copier Machine	411.72
		Computer Systems O&M	932.97
		Meeting & Conferences	212.02
		Project Costs	2,708.58
			11,338.41

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7-9-2020

DRAFT

The following demands on the Administration Fund Account at Bank of the West are hereby submitted for payment.

Check No.	Payable to	Description	Amount
E90870	ACWA/JPIA	Invoice No. 649909, Medical and life insurance premiums for August 1, 2020 to September 1, 2020	8,363.96
E90871	ACWA/JPIA	Invoice No. '2Q-2020-WC', For Worker's Compensation program for April 1, 2020 to June 30, 2020	1,912.19
E90872	Accent Computer Solutions, Inc.	Professional IT services for July 2020 Invoice No. 136297, July 2020 Services 1,311.21 Invoice No. 136389, SonicWall Comprehensive Gateway Security Suite 345.00	1,656.21
E90873	Bank of America	Invoice No. '20-06Jun-KM', Credit card expenses incurred for 06/01/20 to 06/30/20 Office Supplies 590.30 Training 150.00 Travel & Mileage 40.00 Meetings & Conferences (refund) (725.00)	55.30
E90874	Bank of America	Invoice No. '20-06Jun-RS', Credit Card Expenses incurred for 06/01/20 to 06/30/20 Dues and Subscriptions 650.00 Office Supplies 75.41 Training 844.00 Meetings & Conferences 437.68 Meetings & Conferences (refund) (351.59) Internet Service 29.95	1,685.45
E90875	Bank of America	Invoice No. '20-05Jun-SM', Credit card expenses incurred for 06/01/20 to 06/30/20 Graphics and Photos 147.83 Office Supplies 49.25	197.08
E90876	Civic Publications	Invoice No. 1596, Professional services for community outreach - WQA History of Water Video	10,000.00
E90877	The Gualco Group	Invoice No '20-06Jun', Professional consulting services for June 2020	5,307.70
E90878	Kadesh & Associates, LLC	Invoice No. 07-20, Professional consulting services for June 2020	15,000.00
E90879	The Monares Group, LLC	Invoice No. '20-08Aug', Professional consulting services for August 2020	16,000.00
E90880	Olivarez Madruga Lemieux O'Neill, LLP	Invoice No. 11083, Professional legal services for May and June 2020 Invoice No. 11083, May 3,225.00 Invoice No. 11263, June 3,372.50	6,597.50
E90881	Ruffle Properties, LLC	Office lease, CAM, and Storage for August 2020 Invoice No. '20-08Aug', Office lease 6,845.79 Invoice No. '20-08Aug-CAM', Electricity charges 643.20 Invoice No. '20-08Aug-Storage', Storage Room 150.00	7,638.99
TOTAL			201,668.37

mlh
7-9-2020

\$149.43 per meeting, 5 meeting maximum per month
Mileage Rate \$0.575 per mile

EXPENSE SHEET

NAME:

Bob Kuhn

Jun-20

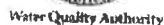
DATE	MEETING DESCRIPTION	Roundtrip Mileage	# of Days	PER DIEM
6/10/20	SGVEP Board meeting	0	1	\$149.43
6/17/20	WQA Board meeting	0	1	\$149.43
6/18/20	Meeting with City Council member Mendell Thompson	0	1	\$149.43
6/24/20	SGVEP Legislative Committee	0	1	\$149.43
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
Total Meetings				\$597.72
Total Mileage (at \$0.575 per mile)		0		\$0.00

DATE	Expense Reimbursement Description (receipts required)	Amount
6/18/2020	Silver Spoon Glendon	\$25.02
TOTAL Expenses		\$25.02

TOTAL MEETINGS, MILEAGE, EXPENSES		\$622.74
457	Deferred Compensation Amount (enter a positive number)	597.72
TOTAL		\$25.02

I hereby certify that I have incurred and paid all of the above expenses on behalf of the SAN GABRIEL BASIN WATER QUALITY AUTHORITY

Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.



Mileage Rate: \$0.676 per mile

(updated January 2020)

NAME:

Michael Whitehead

MONTH/YEAR:

Jun-20

DATE		MEETING DESCRIPTION	Roundtrip Mileage (not to exceed 4)	# of Days	\$149.43 PER DIEM
6/17/20	Board of Directors Meeting			1	\$149.43
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
					\$0.00
Total Meetings				1	\$149.43
Total Mileage (at \$0.575 per mile)			0		\$0.00
DATE		Expense Reimbursement Description (receipts required)			Amount
TOTAL Expenses					\$0.00
TOTAL MEETINGS, MILEAGE, EXPENSES					\$149.43
457	Deferred Compensation Amount (enter a positive number)				
TOTAL					\$149.43

I hereby certify that I have incurred and submitted the foregoing expenses.

I hereby certify that I have incurred and paid all of the above expenses on behalf of the
SAN GABRIEL BASIN WATER QUALITY AUTHORITY

Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.



Water Quality Authority

Board Member Per Diem

\$149.43 per meeting, 6 meeting maximum per month

Mileage Rate: \$0.58 per mile (updated January 2019)

EXPENSE SHEET

NAME:

Edward L. Chavez

MONTH/YEAR:

Jun-20

DATE	MEETING DESCRIPTION	Roundtrip Mileage	# of Days (not to exceed 6)	\$149.43 PER DIEM
5/2/20	City Council Meeting - City of Temple City		1	\$149.43
5/3/20	Board Members' Meeting - Main San Gabriel Basin Watermaster		1	\$149.43
5/8/20	Engineering & Operations Committee - Metropolitan Water District of Southern California		1	\$149.43
5/9/20	City Council Meeting - City of South El Monte		1	\$149.43
5/10/20	Basin Water Management Committee - Main San Gabriel Basin Watermaster		1	\$149.43
5/17/20	Board Members' Meeting - San Gabriel Basin Water Quality Authority		1	\$149.43
				\$0.00
				\$0.00
				\$0.00
				\$0.00
Total Meetings			6	\$896.58
Total Mileage (at \$0.58 per mile)		0		\$0.00

DATE	Expense Reimbursement Description (receipts required)	Amount
TOTAL Expenses		\$0.00
TOTAL MEETINGS, MILEAGE, EXPENSES		\$896.58
457	Deferred Compensation Amount (enter a positive number)	
TOTAL		\$896.58

I hereby certify that I have incurred and paid all of the above expenses on behalf of the
SAN GABRIEL BASIN WATER QUALITY AUTHORITY

Signature

Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.



Water Quality Authority

Board Member Per Diem

\$149.43 per meeting, 6 meeting maximum per month

Mileage Rate: \$0.575 per mile (updated January 2020)

EXPENSE SHEET

NAME: Jorge A Marquez

MONTH/YEAR: Jun-20

DATE	MEETING DESCRIPTION	Roundtrip Mileage	# of Days (not to exceed 5)	\$149.43 PER DIEM
6/4/20	WELL Presentation - Zoom		1	\$149.43
6/15/20	SGV Regional Chamber Government Committee - Zoom		1	\$149.43
6/17/20	WQA Board Meeting - GoToWebinar		1	\$149.43
6/18/20	WQA Administrative - Checks - Documentation Review		1	\$149.43
8/25/20	Updates with Executive Director and WQA Staff		1	\$149.43
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
Total Meetings			5	\$747.15
Total Mileage (at \$0.575 per mile)		0		\$0.00

DATE	Expense Reimbursement Description (receipts required)	Amount
TOTAL Expenses		\$0.00

TOTAL MEETINGS, MILEAGE, EXPENSES			\$747.15
457	Deferred Compensation Amount (enter a positive number)		
TOTAL			\$747.15

I hereby certify that I have incurred and paid all of the above expenses on behalf of the
SAN GABRIEL BASIN WATER QUALITY AUTHORITY

Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.



(updated January 2010)

NAME: Valerie Munoz MONTH/YEAR: Jun-20

DATE	Expense Reimbursement Description (receipts required)	Amount
	TOTAL Expenses	\$0.00
	TOTAL MEETINGS, MILEAGE, EXPENSES	\$747.15
457	Deferred Compensation Amount (enter a positive number)	
	TOTAL	\$747.15

Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.



Mileage Rate: \$0.68 per mile

NAME:

Mark Paulson

MONTH/YEAR:

Jun-20

I hereby certify that I have incurred and paid all of the above expenses on behalf of the **SAN GABRIEL BASIN WATER QUALITY AUTHORITY**

Please attach any fliers or back-up information regarding meetings listed above to be in compliance with AB 1234. If there are no attachments, a verbal report is required.

Mileage Rate: \$0.575 per mile (updated January 2020)

San Gabriel Basin WQA
Board Member's Expense Sheet
edited for AB 1234 January 2017

DRAFT

The following demands on the Project Fund Account and Trustee Account at Bank of the West are hereby submitted for payment.

Check No.	Payable to	Description	Amount	Funding Sources
<u>BALDWIN PARK OPERABLE UNIT</u>				
E90882	RC Foster Corporation	Invoice No. 02-20-035, Project costs for Spare parts costs for July 2020	740.22	CR's
E90883	State Water Resources Control Board	Annual loan payment for VCWD SA-1 project Principal	373,612.70	
		Interest	<u>53,235.89</u>	CR's
			426,848.59	
<u>SOUTH EL MONTE OPERABLE UNIT</u>				
E90884	Avocet Environmental Inc.	Invoice No. 6178, Project costs for Whitmore Street Groundwater Remediation Facility for June 2020	4,424.55	WQA
Total Project Costs			<u><u>432,013.36</u></u>	

Mb
7-9-2020

DRAFT

The following demands on the Project Fund Account at Bank of the West are hereby submitted for payment. Subsequent release of the demands is expected to be on July 29, 2020, subject to approval and availability of funds pursuant to the BPOU Project Agreement Section 4.7 Payment of Invoices.

Check No.	Payable to	Description	Amount	Funding Sources
<u>BALDWIN PARK OPERABLE UNIT</u>				
E90885	La Puente Valley County WD	Invoice No. 4-2020-06, Project T&R costs for June 2020	76,212.55	CR's
E90886	Main San Gabriel Basin Watermaster	Invoice No. 02-221, Administrative Project Costs for June 2020		
		Administrative costs	111,372.46	
		T&R costs	<u>18,772.33</u>	CR's
E90887	Suburban Water Systems	Invoice No. 59880620, for project T&R costs for June 2020	98,422.89	CR's
E90888	Valley County Water District	Project costs for June 2020		
		Invoice No. 419, T&R costs	456,587.62	
		Invoice No. 420, T&R costs	<u>43,067.00</u>	CR's
E90889	California Domestic Water Co.	Project costs for June 2020		
		Invoice No. 3390, T&R costs for Perchlorate	23,772.24	
		Invoice No. 3391, T&R costs for NDMA & VOC's	<u>124,924.18</u>	CR's
E90890	San Gabriel Valley Water Co.	Project costs for May 2020		
		Invoice No. 20-06168, B5 T&R costs	214,648.22	
		Invoice No. 20-06166, B6 T&R costs	247,917.48	
		Invoice No. 20-04110, B6 T&R costs - Single Pass Ion Exchange	185,892.26	
		Invoice No. 20-07176, B6 Capital costs-UV Flex Treatment Plant	<u>89,615.03</u>	CRs
Total BPOU Project Costs			<u><u>1,691,204.26</u></u>	

mkh
7-9-2020



San Gabriel Basin Water Quality Authority

1720 W. Cameron Avenue, Suite 100, West Covina, CA 91790 • 626-338-5555 • Fax 626-338-5775

AGENDA SUBMITTAL

To: WQA Board Members
From: Randy Schoellerman, Executive Director
Date: July 15, 2020
Subject: **Task Order to Avocet Environmental Inc. to Implement the Regional Site Investigation South El Monte Operable Unit Planning Project**

Summary

Staff is recommending issuing a Task Order to Avocet Environmental Inc. for the Proposition 1 Regional Site Investigation South El Monte Operable Unit (SEMOU) planning grant. The funding under this grant is for the purpose of conducting site assessments at a minimum of twelve sites identified by the Regional Water Quality Control Board and the Department of Toxic Substance Control to characterize the extent of volatile organic compound (VOC) contamination and evaluate or develop cleanup alternatives for the prevention of VOC contamination in the SEMOU.

Background & Discussion

The State Water Resources Control Board Division of Financial Assistance awarded WQA a Proposition 1 Planning Grant for the Regional Site Investigation South El Monte Operable Unit in the amount of \$2,500,000 which includes a 20% match of \$500,000. The total proposed project budget is \$2,395,000. All these costs are included in the FY20/21 budget.

Staff is recommending issuing a Task Order for Avocet Environmental Inc. to implement the project workplan as outlined in their attached proposal.

Recommendation/Proposed Actions

Authorize Task Order for Avocet Environmental not to exceed \$2,395,000 to implement the Regional Site Investigation South El Monte Operable Unit.

Attachment:

Avocet Proposal for Regional Site Investigations dated July 8, 2020.



July 8, 2020

Project No. 1583.002

Mr. Randy Schoellerman, P.E.
Executive Director
SAN GABRIEL BASIN WATER QUALITY AUTHORITY
1720 West Cameron Avenue, Suite 100
West Covina, California 91790

Proposal for Regional Site Investigations

South El Monte Operable Unit
Los Angeles County, California

Dear Mr. Schoellerman:

Pursuant to your request, Avocet Environmental, Inc. (Avocet) is pleased to submit this scope of work and cost estimate to the San Gabriel Basin Water Quality Authority (WQA) for investigations at 12 “potentially responsible party” (PRP) sites where releases from past industrial operations may have contributed volatile organic compounds (VOCs) and/or other contaminants to groundwater in the San Gabriel Basin. The proposed investigations are intended to lead to “source area” remediation of the vadose zone and/or shallow groundwater. Source area remediation will mitigate human health risks to workers at the PRP sites, via direct exposure and vapor intrusion, and shorten the duration of the ongoing hydraulic containment remedy for San Gabriel Basin groundwater. The location of the San Gabriel Basin is shown in Figure 1, and a larger-scale plan of the basin, showing the distribution of VOCs in shallow groundwater as of 2013, is presented in Figure 2. The locations of the 12 PRP sites are shown in Figure 3.

The investigative work proposed herein will be funded in part by a Proposition 1A Grant (Prop 1A) administered by the California State Water Resources Control Board (SWRCB), Division of Financial Assistance (DFA). A requirement for Prop 1A funding is that the work be overseen by a Technical Advisory Committee (TAC). The TAC for the subject work includes WQA, DFA, the Department of Toxic Substances Control (DTSC), the Los Angeles Regional Water Quality Control Board (LARWQCB), the U.S. Environmental Protection Agency (EPA), and Avocet. All work products and procedures associated with this proposal will be approved by the TAC.

BACKGROUND INFORMATION

Background information considered relevant to the subject proposal includes the significance of the San Gabriel Basin as a source of groundwater and the previous investigations at the 12 PRP sites that led to them being considered priority sites for additional investigation.

San Gabriel Basin

The San Gabriel Basin is bounded to the north by the Raymond fault and the contact between Quaternary sediments and consolidated basement rocks of the San Gabriel Mountains (Figure 2).

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Exposed consolidated rocks of the Repetto, Merced, and Puente Hills formations bound the basin to the south and west, and the Chino fault and the San Jose fault form the eastern boundary (California Department of Water Resources, February 27, 2004). The main surface water features are the San Gabriel River and the Rio Hondo, both of which rise in the San Gabriel Mountains and flow southwest across the valley floor before exiting through Whittier Narrows, a gap between the Merced and Puente Hills and the only natural outlet for surface water and groundwater.

From the ground surface down, groundwater in the San Gabriel Basin occurs in the Shallow, Intermediate, and Deep Zones. The Shallow Zone, which generally extends to 100 feet below ground surface (bgs), is separated from the underlying Intermediate Zone, which is present from around 200 to 450 feet bgs, by low-permeability soils that inhibit, but do not prevent, vertical communication. The Deep Zone directly underlies the Intermediate Zone with little, if any, physical separation. Groundwater pumped from the Intermediate Zone provides approximately 90 percent of the drinking water for businesses and over 1.4 million people in the overlying communities. The remaining 10 percent is imported water from the State Water Project and the Colorado River Aqueduct, both of which sources are limited by state-wide supply constraints and cost. Thus, the importance of the basin as a source of potable water cannot be overstated. However, on November 21, 2018, the water table in the San Gabriel Basin reached a historical low after declining steadily over the past several years due to state-wide drought conditions. The basin typically receives approximately 500,000 acre-feet of runoff recharge per year but between 2012 and 2016 received an average of approximately 135,000 acre-feet. Recent rainfall has provided some relief, but basin levels are expected to remain well below normal for years to come.

In the late 1970s and early 1980s, the water purveyors and the EPA realized that much of the groundwater basin had been contaminated by VOCs, notably trichloroethylene (TCE), tetrachloroethylene (PCE), and their degradation byproducts along with “emerging contaminants,” such as perchlorate, 1,4-dioxane, *n*-nitrosodimethylamine (NDMA), and 1,2,3-trichloropropane (1,2,3-TCP). These groundwater contaminants are collectively referred to hereafter as chemicals of concern (CoCs). Because of the extensive, widespread groundwater contamination, EPA added most of the San Gabriel Basin to the National Priorities List and divided it into multiple Operable Units. This proposal pertains to investigating 12 high priority PRP sites in the South El Monte Operable Unit, each of which reportedly has released one or more CoCs to groundwater. The SEMOU covers approximately 8 square miles in the south-central portion of the San Gabriel Valley and is bounded by the San Bernardino Freeway (Interstate 10) to the north, the Pomona Freeway (Highway 60) to the south, the San Gabriel River Freeway (Interstate 605) to the east, and San Gabriel Boulevard to the west (Figure 2). The interim remedy for the SEMOU, as established in the Interim Record of Decision (IROD; EPA, September 2000), requires hydraulic containment via the extraction and treatment of VOC-impacted groundwater from the Intermediate Zone by the City of Monterey Park, San Gabriel Valley Water Company, and Golden State Water Company.

In an Explanation of Significant Differences (ESD), EPA modified the IROD to address perchlorate and 1,4-dioxane in the Intermediate zone (EPA, November 2005). The interim remedy for the SEMOU, as modified by the ESD, does not address CoCs in the Shallow Zone, although Shallow Zone remediation, particularly in highly contaminated “source areas” clearly would be

Proposal for Regional Site Investigations

beneficial. This project will characterize the data gaps in these source areas at the 12 priority PRP sites. A subsequent application for Prop 1A implementation funds will utilize these data in the design of a regional remediation project.

Priority PRP Sites

The 12 priority PRP sites have been identified by the LARWQCB and DTSC for further investigation and possible remediation. Figure 3 shows their locations and Table 1 summarizes selected PRP site information, including the business name, address, case status, contaminants, and distance to the nearest downgradient production well(s). Based on past investigations by the LARWQCB, the PRPs associated with the 12 sites either do not have the financial means to assess and remediate their properties or have been unwilling to do so. Avocet notes that the subject proposed investigations include records searches that may identify other PRPs and/or confirm the financial status of existing PRPs.

The 12 PRP sites included as part of this application are in areas where the Shallow Zone is known to contain high CoC concentrations based on the limited site-specific investigations conducted to date. These investigations, which were typically overseen by the LARWQCB, focused on CoCs in soil and the uppermost part of the Shallow Zone. Although many of the installed groundwater monitoring wells have since gone dry because of the ongoing drought, VOC concentrations in the Shallow Zone aquifer at these sites are many times higher than those in the underlying Intermediate Zone. A few of the PRPs addressed vadose zone and Shallow Zone groundwater contamination beneath their properties; however, the PRPs for many of these sites were “Mom & Pop” operations that did not have the financial resources to remediate their properties and received “ability to pay” settlements with EPA. Other PRPs were uncooperative and simply chose to do nothing.

PROPOSED SCOPE OF WORK

A key component of proposed investigation program is a review of past investigative activities at each of the 12 PRP sites and re-evaluation of the results in the context of current regulatory agency requirements and expectations. Based on the findings, the scope of investigation at each of the 12 sites will be developed. It is anticipated that the investigations will include the collection and analysis of soil matrix, soil vapor, and Shallow Zone groundwater samples from borings, probes, and monitoring wells. The results of the investigations will be evaluated, along with historical data, to determine what source-area remedial measures would be appropriate to achieve the overall goal of restoring Shallow Zone groundwater quality. Potential source-area mitigation measures include soil vapor extraction, dual-phase extraction, groundwater extraction and treatment, and/or *in-situ* chemical or biological treatment.

The proposed scope of work includes evaluating available information, obtaining and evaluating supplemental information, work plan preparation, Health and Safety Plan (HASP) preparation, subsurface investigation, monitoring, reporting, and outreach. The scope of these and related tasks is outlined below.

Proposal for Regional Site Investigations

Evaluation of Available Information

Subsurface investigations were conducted at all 12 of the priority PRP sites in the 1980s and 1990s; however, the scope of the investigations was typically very limited and the data are now outdated and not representative of current conditions. None of the 12 priority PRP sites have been comprehensively characterized and the potential for vapor intrusion into onsite and adjacent buildings, a relatively recent regulatory agency concern, has been addressed at few, if any, of the sites. Moreover, many of the shallow groundwater monitoring wells installed at the PRP sites in the 1980s and 1990s have “gone dry” as the water table declined because of the ongoing drought. Notwithstanding these limitations, the available site assessment data on file with the LARWQCB will be reviewed and summarized to identify the principal CoCs at each site, which media have been impacted and to what extent, and to identify data gaps, including the expected sparsity of soil vapor data. Other information that will be reviewed will include chemical use questionnaires, correspondence, and LARWQCB site inspection notes.

Supplemental Information

Supplemental information to be obtained and reviewed for each site includes historical topographic maps and aerial photographs, historical fire insurance maps, telephone and business directory “abstracts,” and permit information from the City of South El Monte and the South Coast Air Quality Management District (SCAQMD). The historical maps and photographs may identify site features, such as aboveground storage tanks and drum storage areas, which both predate and postdate the chemical use questionnaires completed in the 1980s. The telephone and business directory abstracts may identify businesses that operated at the PRP sites prior to LARWQCB’s involvement. Permits also may identify previous occupants and the types of businesses they operated. The SCAQMD permits in particular may provide information pertaining to chlorinated solvent use. In addition to the above, each of the 12 priority PRP sites will be visited to evaluate current hazardous substance use, potential access restrictions, and the condition of previously installed groundwater monitoring wells, if any.

Work Plan Preparation

Based on the above, a site-specific work plan for subsurface investigation will be prepared for each of the 12 priority PRP sites. The 12 work plans will each include a summary of site-specific background information, the site-specific CoCs, and the scope of the proposed subsurface investigation, including figures showing proposed investigation locations. Field procedures, such as for drilling, well and vapor probe installation, and sample collection, as well as quality control procedures, are expected to be common to all 12 priority PRP sites and will be described in Standard Operating Procedures (SOPs) appended to the individual work plans. The TAC will review the site-specific work plans prior to implementation.

Health and Safety Plans

The proposed work will be conducted in accordance with site-specific HASPs for each of the 12 PRP sites. The 12 HASPs will describe the site-specific chemical and physical hazards that may be encountered at each site, as well as the “generic” hazards associated with working in proximity to drilling and other equipment and external factors such as heat. The HASPs will

Proposal for Regional Site Investigations

specify the minimum health and safety procedures and measures to be followed to eliminate or minimize the site-specific and generic hazards. In addition to preparing onsite workers and management for the anticipated potential hazards, the HASPs will enable workers and management to respond to changing conditions and make professional judgments regarding the interpretation of subsurface assessment data and related control measures. Specifically, the HASPs will:

- Inform all field personnel, contractors, subcontractors, and visitors of the potential hazards associated with the work to be performed at the site.
- Identify the minimum precautionary measures and personal protective equipment to be used to mitigate the potential hazards.

Field personnel will be required to read and understand each site-specific HASP prior to conducting site-specific activities and must follow it in the field. Subcontractors must also follow the HASPs or follow their own health and safety procedures provided they are at least as stringent. Prior to any field work during which exposure to hazardous conditions could occur, contractor and subcontractor personnel will be required to sign a HASP Review form as an acknowledgement of their understanding of its contents and as an agreement to follow its procedures and guidance. Visitors to the site will be familiarized with the site-specific HASP and will also be required to sign a HASP Review form. A copy of the HASP will be available onsite at all times while the site characterization and related work is in progress.

Subsurface Investigation

All of the work described herein will be overseen by a registered professional geologist or civil engineer who will ensure the field staff is familiar with the scope of work and that the necessary access agreements, permits, and contracts are in place. The subsurface investigations are expected to include drilling and soil matrix sample collection, soil vapor probe installation and sampling, and the installation, development, surveying, and sampling of groundwater monitoring wells screened in the Shallow Zone aquifer. The scope of the subsurface investigations (i.e., the number of borings, probes, and monitoring wells) is expected to vary from site to site depending on how much assessment work has already been conducted, how many (if any) of the original monitoring wells (if any) remain and have water in them, and whether additional historical features that warrant investigation have been identified. The goal will be to characterize the 12 priority PRP sites for remedial design purposes while maintaining the flexibility to accommodate scope additions or deletions as data become available in real time. Most of the subsurface investigations are expected to be within the PRP site boundaries but some could be in adjoining public rights-of-way. For example, it may be appropriate to install monitoring wells hydraulically downgradient of some or all of the 12 sites. As above, it is assumed LARWQCB will secure access through enforcement or other means if the PRPs and/or the current site occupants are uncooperative.

Regardless of the scope, the field work will be conducted in accordance with the appropriate permitting programs, regulatory agency guidance (including for active soil gas investigations), and industry-standard, TAC-approved SOPs. As discussed above, site-specific work plans for each of the 12 PRP sites will be developed based on the background research and approved by the TAC

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prior to implementation; however, the work plans are expected to include the following components.

Permitting

Avocet will acquire well and boring permits from the Los Angeles County Department of Public Health (LACoDPH) and pay the associated fees for drilling activities. Drilling will commence only after receipt of the permits and LACoDPH is provided sufficient notification.

Site Access

Permission to access the PRP sites is to be arranged and coordinated by WQA and LARWQCB and is not part of the subject scope of work, although Avocet will assist to the extent it can.

Utility Clearance

Prior to initiating intrusive field activities, the investigation locations will be cleared for potential subsurface utility conflicts in the multi-step process outlined below.

Using white paint, the proposed boring locations and a 20-foot square centered on the borings will be marked on the ground surface. Visual indicators of possible subsurface utility conflicts, such as trench scars, vault alignments, and the like, will be considered prior to marking. Following boring mark-out, Underground Service Alert of Southern California (aka DigAlert) will be notified a minimum of two workdays prior to any intrusive investigations so that the appropriate utility companies have the opportunity to check for potential conflicts. Notifying DigAlert is a legal requirement; however, the responding utility companies typically will not check for private subsurface utilities on private property. As such, the responding utility companies may limit their response to marking subsurface utilities around the perimeter of the facility and in public rights-of-way. DigAlert notifications are valid for 28 days. If necessary, the original DigAlert notification will be extended to cover investigations not completed before the notification expires.

A geophysical survey will be conducted within the 20-foot square centered on each of the proposed locations. The geophysics subcontractor will use a combination of ground penetrating radar, a magnetometer, and a metal detector to clear the survey areas for subsurface utilities, and mark detected utilities on the ground surface with color-coded paint. Surveying and marking utilities in 20-foot squares centered on each investigation location will allow for proposed boring locations to be modified to avoid utility conflicts without having to repeat the geophysical survey.

The last step in the utility clearance process is to hand auger or use “air knife” equipment to advance the upper portion of each boring. Specifically, borings inside buildings will be hand augered or air knifed to 5 feet bgs and borings in exterior areas will be hand augered or air knifed to 10 feet bgs. If necessary, a triangular pattern of three adjacent hand-auger borings will be advanced such that the diameter of the cleared area exceeds that of the largest drilling equipment, i.e., the largest planned hollow-stem auger (HSA) or sonic drilling casing. Building floor slabs and exterior pavement will be wet cored before hand augering the borings for subsurface utility clearance.

Proposal for Regional Site Investigations

Drilling

Drilling techniques expected to be used at the 12 PRP sites include hand augering, cone penetrometer testing (CPT), direct-push, HSA, and sonic. Hand augering will be used for utility clearance purposes and possibly for soil sampling and vapor probe installation in areas not accessible to larger, typically truck-mounted drilling equipment. Hand auger diameters range from 2 to 6 inches; however, 3.25 inches is the most common and borings can often be hand augered to 15 feet bgs. CPT and direct-push drilling techniques are similar; however, CPT drilling involves a larger and heavier truck and, as such, will typically be limited to outside areas. CPT boring depths typically are limited by the types of soil penetrated; however, borings up to 120 feet deep, essentially the entire thickness of the Shallow Zone, are possible. Direct-push drilling is usually conducted by a truck-mounted rig; however, smaller, portable rigs are available for indoor work. As with CPT, direct-push boring depths typically are limited by the types of soil penetrated; however, borings up to 40 feet should be possible. As such, direct-push drilling may be of most use for vadose zone characterization and soil vapor probe installation. Borings for groundwater monitoring well installation and deeper vadose investigations will be advanced to appropriate depths (based on site conditions) using HSA or sonic drilling techniques. HSA and sonic casings are available in a variety of diameters to accommodate different well casing diameters, and both drilling techniques can achieve depths of up to 120 feet bgs.

Soil Classification

During drilling, depth-discreet soils will be collected and examined, visually classified, and recorded by the field geologist or engineer under the supervision of a professional geologist. Subjective descriptive terms, such as soil color, will be based on Munsell or similar color guides. Soil classification will be based on the Unified Soil Classification System (USCS) and ASTM International Standard ASTM D 2488 entitled “Standard Practice for Description and Identification of Soils (Visual-Manual Procedure).” At a minimum, soil descriptions will include the following terms in the order listed:

- Color
- Primary and (if appropriate) secondary soil type
- USCS classification symbol (lower case to indicate visual classification only)
- Moisture condition
- Consistency or relative density (blow counts if applicable)
- Structure (if any)
- Other information such as grain size, particle shape, and cementation

In addition to being visually classified, soils will be screened in the field for the presence of organic vapors using a properly calibrated photoionization detector (PID). For screening purposes, soil will be placed in a sealable freezer bag and agitated to promote the volatilization of organic compounds, if any, present in the soil matrix. After allowing the organic vapors, if any, to equilibrate, the probe of the PID will be inserted into the bag headspace and the peak PID reading will be recorded on the field boring logs.

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Monitoring Well Installation

The well casings will be of flush-threaded, Schedule 40 or 80 PVC (polyvinyl chloride) casing and screen. Casing depths and lengths will be based on the location-specific lithology encountered but, in general, monitoring wells will be screened across the water surface and will typically be 10 to 20 feet long. A 5-foot “sump” of blank PVC casing typically will be installed beneath the well casing unless dictated otherwise by lithology. For each well installation, the well casing will be assembled over the boring and lowered into place through the inside of the augers or sonic casing using a winch on the drill rig. The well casings will be kept under tension at all times and will not be allowed to rest on the bottom of the borings. Filter packs of clean silica sand will be tremied through the augers or sonic casing until the filter pack extends a minimum of about 2 feet above the top of the screened interval. At this point, the casing will be gently surged to settle the filter pack and additional filter pack material will then be tremied into the annular space as necessary to maintain a minimum height of about 2 feet above the top of the screened interval. An additional 2 feet of #40 or #60 transition sand will be placed above the filter pack prior to sealing it with 2 feet of bentonite chips, which will be hydrated in place before installing the remainder of the annular seal. The remaining annular space will be sealed with neat cement containing 5 percent bentonite to approximately 2 feet bgs. The well heads will be completed below grade inside nominal 12-inch-diameter, traffic-rated vaults encased in concrete and finished flush with the surrounding ground surface. The top of the well casing will be cut flat and even, no less than 6 inches below the bottom of the well box lid, and fitted with a locking well cap. Each well will be clearly identified at the ground surface with the well number etched in the concrete around the well vault.

Well Development

After allowing at least 48 hours for the annular seal material to set, the groundwater monitoring wells will be developed to remove fine-grained material from the well casing, filter pack, and the adjacent formation. Development will involve repeated cycles of surging (swabbing) and bailing, followed by over-pumping. As a first step, material accumulated in the wells will be bailed. The wells will then be surged (swabbed) using tight-fitting, vented surge blocks to agitate the filter pack and draw fines from the filter pack and surrounding formation into the well casing, from which they will be removed by bailing. Bailing will be accomplished using a heavy, bottom-filling bailer.

Over-pumping will be accomplished by temporarily installing a submersible pump near the bottom of the well casing. The rate of pumping will be determined in the field and the pump will be turned off periodically during pumping, allowing the water to flow back into the well, thereby “backwashing” the filter pack and surrounding formation. Over-pumping will continue until the supervising engineer/geologist judges that further development would be ineffective. The pH, electrical conductivity, temperature, and turbidity of the extracted groundwater will be monitored periodically during well development.

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Surveying

Following installation, the horizontal coordinates and vertical elevations of the well casings, and any previously installed wells, will be surveyed relative to California State Plane Zone 5 Coordinates and North American Vertical Datum of 1988 (NAVD 88) Orthometric Heights using standard surveying techniques. Surveying will be conducted under the direct supervision of either registered professional surveyor or civil engineer licensed in the State of California. Well casing locations will be surveyed to the nearest 0.1 foot relative to the California State Plane Coordinate System, whereas well head elevations will be surveyed to the nearest 0.01 foot relative to NAVD 88 at a marked reference point on each well casing.

Groundwater Monitoring

After development, the wells will be allowed to equilibrate for at least a week before being monitored and sampled. Groundwater monitoring will involve accessing each well and immediately measuring and recording the static groundwater level to the nearest 0.01 foot using a conductance-actuated well sounder.

After recording the depth to groundwater, the wells will be sampled using low-flow sampling techniques to assure that representative samples are collected. Portable low-flow pneumatic (bladder) pumps with adjustable flow rate controls will be used to purge each well prior to collecting the samples. During purging, the flow rate and drawdown will be maintained well within EPA standards for the wells (Puls and Barcelona, April 1996). YSI (or equivalent) multiparameter instruments with flow-through cells will be used to record field water quality parameters, including temperature, pH, electrical conductivity (EC), dissolved oxygen (DO), and oxidation reduction potential (ORP). A separate turbidimeter will be used to record turbidity during the purging process. The instruments will be calibrated in accordance with the manufacturers' instructions. Purging will be considered complete when three consecutive readings made several minutes apart fall within the following ranges:

- ± 0.2 pH units
- ± 3 percent of the EC measurement or ± 0.2 milliSiemen per centimeter (mS/cm), whichever is greater
- ± 10 percent of the DO reading or ± 0.2 milligram per liter (mg/L), whichever is greater
- ± 20 millivolt (mV) for ORP measurements
- ± 10 percent of the turbidity measurement or ± 1.0 nephelometric turbidity unit (NTU), whichever is greater

On completion of purging, groundwater samples will be collected in laboratory-supplied containers, which will be labeled, placed on ice in a cooler, and submitted to a certified environmental testing laboratory under chain-of-custody.

Soil Vapor Probe Installation

Borings for soil vapor probe installation typically will be advanced with a direct-push drill rig with depth-discrete soil vapor probes installed at nominal depths of 5 and 15 feet bgs. The soil vapor probes will consist of a porous, 316 stainless steel tip with a 50 micron filtration rating connected to 1/8-inch outside diameter Nylaflow® tubing extending approximately 2 feet above the ground surface. The porous tip is designed to be gas permeable while preventing the intrusion of fine-grained material that could clog the Nylaflow® tubing. The stainless-steel tips will be installed at the midpoint of a 12-inch layer of clean No. 3 silica sand. After placing the sandpack around the 15-foot probes, the annular space above will be backfilled with 1 foot of dry granular bentonite. Additional dry bentonite will be placed in 6- to 12-inch lifts to approximately 6.5 feet bgs, with each lift hydrated in place with potable water. The 5-foot probes will then be installed at a nominal depth of 5 feet bgs, at the mid-point of a 1-foot sandpack, with 1 foot of dry bentonite above and below the sand interval. Additional dry bentonite will be placed and hydrated to approximately 6 inches below grade. The probes will be completed at the surface with a gas-tight valve to prevent degassing after construction and during equilibration. The probes will be protected by installing traffic-rated well vaults set in concrete.

Soil Vapor Sampling and Related Quality Assurance/Quality Control (QA/QC)

After allowing a minimum of 48 hours for conditions to equilibrate, soil vapor samples will be collected from each of the probes in SUMMA canisters and analyzed for VOCs in a fixed laboratory using EPA Method TO-15 or 8260B. Alternately, and if cost-effective, the soil vapor samples may be collected in glass syringes and analyzed onsite in a mobile laboratory using EPA Method TO-15 or 6260B. QA/QC measures associated with soil vapor sampling and analysis will include adequate equilibration, shut-in and leak tests, the use of a “leak detection compound” (LDC), and the collection of a replicate sample.

Shut-in and leak tests will be performed prior to and during soil vapor sample collection. The shut-in test is used to check for leaks in the aboveground sample train, whereas the leak test is used to assess whether ambient air is entering the sample train and/or the probe itself, the latter due to “short circuiting” through or around the annular seal materials. For the shut-in test, the aboveground sample train will be evacuated to at least 100 inches of water (in H₂O), using a pump or syringe, with the block valves on the attached sample canister and at the probe head closed. If a noticeable loss of vacuum is observed, the sample train will be reassembled, and the test repeated until no significant loss of vacuum is noticeable.

In accordance with current guidance on soil vapor sampling (DTSC, et al., July 2015), paper towels moistened with an LDC will be placed around the sample train during sample collection. The presence of the LDC in a soil vapor sample will be indicative of a leak, although current guidance allows concentrations up to ten times the Reporting Limit for the LDC before corrective action is required. The LDC likely will be either isopropyl alcohol, 1,1-difluoroethane, or isobutene.

Three purge volumes will be removed from each probe prior to sample collection. Purging will be conducted at a flow rate between 100 and 200 milliliters per minute and at a vacuum less than 100 inches of water. The purge volume or “dead space volume” will be estimated based on a

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summation of the tubing volume and the void space in the sandpack around the probe tip. Following purging, soil vapor samples will be collected from each probe in 1-liter SUMMA[®] canisters or glass syringes and analyzed for VOCs, including fuel oxygenates, using EPA Methods TO 15 or 8260B. The samples will be collected in batch-certified SUMMA[®] canisters at a flow rate between 100 and 200 milliliters per minute and at a vacuum less than 100 in H₂O.

Sample Analysis

While site-specific CoCs will be identified in each work plan, in general the following analytes and analyses will be considered for each site:

Compound(s)	Soil	Soil Vapor	Groundwater
VOCs (including fuel oxygenates)	EPA 8260B	EPA TO-15 or 8260B	EPA 8260B
1,4-Dioxane	EPA 8270C	EPA TO-15 SIM	EPA 8270C (M)
Title 22 metals	EPA 6010B/7470A	--	EPA 6010B/7470A
Hexavalent chromium	EPA 7199	--	EPA 7199
SVOCs	EPA 8270C	--	EPA 8270C
Perchlorate	--	--	EPA 314.0
NDMA	--	--	EPA 1625C(M)
PFOS and PFOA	--	--	EPA 537

All samples will be collected in appropriately preserved laboratory-supplied containers. Each sample container will be labeled with the sample identification number, sample time, and date and immediately placed on ice in a cooler. The samples will be hand delivered by field personnel, under chain-of-custody, to a California-certified analytical laboratory.

Equipment Decontamination

Drilling, well development, and reusable sampling equipment will be decontaminated between wells as appropriate. Large equipment will be decontaminated using a steam cleaner. Smaller sampling and other field equipment likely to come into contact with soil and/or groundwater will be cleaned using a nonphosphate detergent solution and given a potable water and a final distilled water rinse.

Investigation Derived Waste Management

Solid and liquid investigation-derived waste (IDW) will be generated during the proposed scope of work. Solid and liquid IDW will be handled separately but in a similar manner and in accordance with applicable local, state, and federal requirements. In broad terms, solid and liquid IDW generated locally will be transported to a central staging area and consolidated prior to being profiled and transported offsite for treatment, recycling, or disposal, as appropriate. Solid IDW is expected to include:

- Asphalt and/or concrete cores
- Drill cuttings and excess soil sample material

Proposal for Regional Site Investigations

- Used personal protective equipment (PPE)
- Expendable field supplies

Used PPE will likely be limited to discarded nitrile gloves, ear plugs, and the like. As it is not expected to be hazardous, used PPE will be discarded as regular trash. The other solid IDW, the bulk of which is expected to be soil, will be placed in a transportable hopper at the drilling location and transferred to the central staging area using a forklift and emptied into 20-cubic-yard, covered roll-off bins. The roll-off bins will be labeled “IDW – Analytical Results Pending” and will be kept in the central staging area pending waste profiling. Following profiling, the bins will be transported offsite for disposal under waste manifest.

Liquid IDW is expected to include equipment decontamination rinsate and monitoring well development and purge water. Liquid IDW will be periodically transported to the central staging area and pumped into a holding tank(s). The tank(s) will be labeled “IDW – Analytical Results Pending” and will be kept in the central staging area pending receipt and evaluation of the analytical results from the groundwater samples. Following profiling, the water will be transported offsite for disposal under waste manifest.

Monitoring/Performance

It is anticipated that the proposed scope of work will include at least two rounds of soil vapor and groundwater sampling, conducted six months apart, to assess data repeatability prior to making decisions regarding remediation. For the groundwater monitoring portion of the project, QA/QC samples will be collected and analyzed in accordance with industry standards. As discussed below, QA/QC samples will include field duplicates, equipment blanks, and trip blanks. Field activities will be documented using daily field activity sheets with field data recorded on appropriate field data sheets. On completion of the field activities, the results of the subsurface investigations will be documented in site investigation reports, as discussed below.

Validity and Quality of the Information

It is anticipated that a Quality Assurance Project Plan (QAPP) will be developed for the proposed site investigations. The QAPP will be evaluated and approved by the TAC prior to implementation of field activities and laboratory testing. The QAPP will be followed by field and laboratory personnel to ensure that reliable and repeatable data are collected. The following sections present an example of what a work plan might include in describing sample handling and QA/QC measures to be taken.

General QA/QC Procedures

Nondedicated equipment used for well purging and sampling will be cleaned prior to and between groundwater monitoring wells with an Alconox® solution (or equivalent), then double rinsed with potable water and deionized or distilled water to reduce the potential for cross-contamination. Related QA/QC samples will include field duplicates, equipment blanks, and trip blanks. Duplicate samples will be collected at a rate of one field duplicate sample for every ten monitoring wells or a minimum of one duplicate sample per day and will be analyzed for VOCs and 1,4-dioxane. One trip blank sample of organic-free water provided by the contract laboratory will

Proposal for Regional Site Investigations

accompany each ice chest shipped back to the laboratory. The trip blank samples will be analyzed for VOCs to evaluate cross-contamination that may have occurred during transport of the samples. One equipment rinsate blank will be collected prior to the initiation of sampling activities as a check for cross-contamination. One additional equipment rinsate blank will be collected each day throughout the duration of the sampling event when using nondedicated equipment. Equipment rinsate blanks will be analyzed for VOCs.

Reporting

Site investigation reports will be issued for each of the 12 PRP sites on completion of the investigations outlined above. The text portion of the reports will include narrative descriptions of field, laboratory, and related activities and an interpretation of the results. The narratives will be supported by tabular summaries of the analytical results, figures, and appendices. At a minimum, appendices to the report will include boring logs, field data sheets, survey reports, certificates of analyses, and IDW documentation. The final reports will be stamped by a suitably registered professional.

The reports will also include conceptual remediation plans for individual PRP sites and/or for groups of PRP sites, as appropriate, although subsurface investigations may indicate that remediation is not warranted at certain of the sites. Soil remediation approaches could include removal by open excavation if the impacted area is accessible, *in-situ* soil vapor extraction, or a combination of the two. Groundwater remediation approaches could include air sparging, dual-phase extraction, *in-situ* chemical oxidation, and/or enhanced *in-situ* bioremediation. Pilot testing of these remediation techniques will be recommended as appropriate, possibly at a small number of representative PRP sites to avoid having to conduct similar tests at multiple sites with similar subsurface conditions. The conceptual remediation plans will be the basis for the remediation phase of the project.

Outreach

The anticipated outreach will include coordination with WQA, LARWQCB, DTSC, and each of the 12 PRPs or their designated representatives. At a minimum, outreach will include meeting and telephonic and electronic communication among and between the stakeholders, along with meetings with the PRPs to discuss their sites and the logistics related to planned investigations. The current working assumption is that the investigations to be conducted pursuant to this grant request will focus on the individual PRPs' properties and the adjoining public rights-of-way. As such, public outreach, if required at all, is expected to be minimal. Actual remediation work in the future may require public outreach.

COST ESTIMATE AND ANTICIPATED SCHEDULE

The estimated cost for the proposed scope of work is \$2,395,000. A breakdown of this cost is provided in Table 2. As most, if not all, of this proposed assessment is being funded by the DFA through Prop 1A, it is noted that the costs in Table 2 reflect prevailing wages for onsite subcontractors who will be performing the field activities. Avocet estimated the cost on a time-and-materials basis using the schedule of rates presented in Table 3. Once approval is granted, Avocet will initiate the scope of work by evaluating available information.

Proposal for Regional Site Investigations

South El Monte Operable Unit
Los Angeles County, California

Page 14
July 8, 2020

CLOSING REMARKS

Avocet Environmental, Inc. appreciates the opportunity to submit this cost estimate to the San Gabriel Basin Water Quality Authority. If you have any questions or require additional information, please do not hesitate to call the undersigned.

Respectfully submitted,

AVOCET ENVIRONMENTAL, INC.



Deke Siren, P.G., C.Hg.
Project Manager

DCS/PM:sh
Attachments

P:\1583 WQA-San Gabriel Valley\002_Phase I ESA and Phase II Investigation\WQA Proposal\Regional Site Investigation PR_2020-07-08.docx

REFERENCES

California Department of Water Resources, February 27, 2004, *San Gabriel Valley Groundwater Basin, Bulletin 118*.

California Department of Toxic Substances Control (DTSC, et al.), Los Angeles Regional Water Quality Control Board, San Francisco Bay Regional Water Quality Control Board, July 2015, *Advisory, Active Soil Gas Investigations*.

Puls, R.W., and Barcelona, M.J., April 1996, *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, Office of Solid Waste, Washington, DC, EPA/540/S-95/504.

U.S. Environmental Protection Agency (EPA), September 2000, *Interim Record of Decision, San Gabriel Valley Superfund Site, South El Monte Operable Unit, Los Angeles County, CA*.

U.S. Environmental Protection Agency (EPA), November 2005, *Explanation of Significant Differences to the 2000 Interim Record of Decision, South El Monte Operable Unit, San Gabriel Valley Superfund Sites, Area 1*.

Tables

Table 1
List of Priority Sites
 South El Monte Operable Unit
 San Gabriel Valley, California

Business Name	Address	City	Status	Contaminants	Distance & Direction to Nearest Downgradient Production Well(s)
Astro Seal, Inc.	9444 Rush St	South El Monte	Open - Inactive	1,4-dioxane, NDMA, Cr6, PCE, TCE, 1,1,1-TCA	1,300 feet SW
Astronautic Enamelers	9758 Klingerman St	South El Monte	Open - Inactive	PCE, TCE, 1,2-DCE, 1,1,1-TCA, 1,4-dioxane	3,700 feet SW & 2,600 feet SE
B.I.G. Enterprises, Inc.	9702 Rush St	South El Monte	Open - Inactive	TCE, 1,1,1-TCA	2,700 feet WSW & 2,400 feet ESE
Chemrite Corporation	2128 N. Rosemead Blvd	South El Monte	Open - Inactive	TCE, PCE, 1,1,1-TCA, 1,4-dioxane	1,500 feet SW
Custom Metal Products	1524 Chico Ave	South El Monte	Not in GeoTracker	PCE, TCE	4,400 feet SSE
J.C. Inc. Barry Zwahlen	2217 - 2223 Loma Ave	South El Monte	Open - Inactive	PCE, TCE, Cr6	1,700 feet SSE & 2,600 feet W
L & L Screw Machine Products, Inc.	9653 El Poche St	South El Monte	Closed in GeoTracker	VOCS (PCE, TCE)	2,500 feet WSW & 2,500 feet ESE
Los Angeles Die Mold	1942 N. Rosemead Blvd	South El Monte	Not in Geotracker	PCE, TCE, TCA, 1,4-dioxane	970 feet SW
M&T Company	2500 N. Rosemead Blvd	South El Monte	Open - Inactive	1,4-dioxane, 1,1,1-TCA, PCE	2,850 feet SSW & 2,550 feet WSW
Manufacturer's Services Inc.	2210 Chico Ave	South El Monte	Open - Inactive	PCE, TCE, 1,1-DCA, 1,1-DCE	3,200 feet SE & 2,500 feet SW
Servex Corp.	9620 Klingerman St	South El Monte	Not in Geotracker	VOCs	3,200 feet SE & 3,100 feet SW
Smitty Built, Inc.	2112 Lee Ave	South El Monte	Not in Geotracker	PCE, TCE, 1,1,1-TCA, 1,4-dioxane	1,150 feet S

Notes:

NDMA = n-nitrosodimethylamine	1,1,1-TCA = 1,1,1-trichloroethane
Cr6 = hexavalent chromium	1,2-DCE = 1,2-dichloroethene
PCE = tetrachloroethylene	1,1-DCE = 1,1-dichloroethylene
TCE = trichloroethylene	VOCs = volatile organic compounds

Table 2
Cost Estimate for Phase I ESA and Phase II Investigation
 South El Monte Operable Unit
 San Gabriel Valley, California

1. Planning/Design/Engineering/Environmental					
Labor Costs	Staff	Rate	Unit	Hours/ Qty	Subtotal
Evaluate Available Information (12 sites)	Project Director	\$ 187	hour	49	\$ 9,163
	Project Manager	\$ 160	hour	50	\$ 8,000
	Sr. Proj. Engineer/Geologist	\$ 155	hour	100	\$ 15,500
	Proj. Engineer/Geologist	\$ 124	hour	130	\$ 16,120
	Staff Engineer/Geologist	\$ 101	hour	180	\$ 18,180
	Sr. CAD Operator	\$ 97	hour	100	\$ 9,700
	Technical Editor	\$ 98	hour	50	\$ 4,900
Other Direct Costs					
Truck		\$ 64	day	29	\$ 1,856
Mileage (IRS Rate)		\$ 0.575	mile	1,025	\$ 589
Evaluate Available Information Subtotal (Rounded)					\$ 84,000
Labor Costs	Staff	Rate	Unit	Hours/ Qty	Subtotal
Supplemental Information (12 sites)	Project Director	\$ 187	hour	25	\$ 4,675
	Project Manager	\$ 160	hour	28	\$ 4,480
	Sr. Proj. Engineer/Geologist	\$ 155	hour	25	\$ 3,875
	Proj. Engineer/Geologist	\$ 124	hour	80	\$ 9,920
	Staff Engineer/Geologist	\$ 101	hour	100	\$ 10,100
	Sr. CAD Operator	\$ 97	hour	26	\$ 2,522
	Technical Editor	\$ 98	hour	26	\$ 2,548
Other Direct Costs					
Environmental Database Search (12 sites)		\$ 400	each	12	\$ 4,800
Truck		\$ 64	day	12	\$ 768
Mileage (IRS Rate)		\$ 0.58	mile	1,015	\$ 589
Supplemental Information Subtotal (Rounded)					\$ 44,000
Labor Costs	Staff	Rate	Unit	Hours/ Qty	Subtotal
Work Plan Preparation (12 sites)	Project Director	\$ 187	hour	30	\$ 5,610
	Project Manager	\$ 160	hour	40	\$ 6,400
	Sr. Proj. Engineer/Geologist	\$ 155	hour	40	\$ 6,200
	Proj. Engineer/Geologist	\$ 124	hour	80	\$ 9,920
	Staff Engineer/Geologist	\$ 101	hour	100	\$ 10,100
	Sr. CAD Operator	\$ 97	hour	26	\$ 2,522
	Technical Editor	\$ 98	hour	26	\$ 2,548
Other Direct Costs					
Truck		\$ 64	day	12	\$ 768
Mileage (IRS Rate)		\$ 0.575	mile	1,034	\$ 595
Work Plan Preparation Subtotal (Rounded)					\$ 45,000
Labor Costs	Staff	Rate	Unit	Hours/ Qty	Subtotal
Site-Specific HASP (12 sites)	Project Director	\$ 187	hour	9	\$ 1,683
	Project Manager	\$ 160	hour	9	\$ 1,440
	Sr. Proj. Engineer/Geologist	\$ 155	hour	9	\$ 1,395
	Proj. Engineer/Geologist	\$ 124	hour	15	\$ 1,860
	Staff Engineer/Geologist	\$ 101	hour	50	\$ 5,050
	Sr. CAD Operator	\$ 97	hour	50	\$ 4,850
	Technical Editor	\$ 98	hour	50	\$ 4,900
Site-Specific HASP Subtotal (Rounded)					\$ 21,000
Total for Planning/Design/Engineering/Environmental (Rounded)					\$ 194,000

Table 2
Cost Estimate for Phase I ESA and Phase II Investigation
 South El Monte Operable Unit
 San Gabriel Valley, California

2. Construction/Implementation					
<i>Labor Costs</i>	Staff	Rate	Unit	Hours/ Qty	Subtotal
Subsurface Investigation (12 sites)	Project Director	\$ 187	hour	121	\$ 22,627
	Project Manager	\$ 160	hour	350	\$ 56,000
	Sr. Proj. Engineer/Geologist	\$ 155	hour	326	\$ 50,530
	Proj. Engineer/Geologist	\$ 124	hour	350	\$ 43,400
	Staff Engineer/Geologist	\$ 101	hour	1,600	\$ 161,600
	Sr. CAD Operator	\$ 97	hour	80	\$ 7,760
	Technical Editor	\$ 98	hour	80	\$ 7,840
Other Direct Costs					
	Truck	\$ 64	day	155	\$ 9,920
	Mileage (IRS Rate)	\$ 0.575	mile	1,862	\$ 1,071
	Utility Clearance - Subsurface Geophysics	\$ 2,310	site	12	\$ 27,720
	Drilling Contractor(s)	\$ 63,500	site	12	\$ 762,000
	Analytical Laboratory(s)	\$ 27,646	site	12	\$ 331,752
	Waste Disposal	\$ 6,380	site	12	\$ 76,560
	Well/Boring Permit Fees	\$ 4,000	site	12	\$ 48,000
	Expendable Materials, Reprographics, etc.	\$ 4,120	site	12	\$ 49,440
Total for Construction/Implementation (Rounded)					\$ 1,656,000

Table 2
Cost Estimate for Phase I ESA and Phase II Investigation
 South El Monte Operable Unit
 San Gabriel Valley, California

3. Monitoring/Performance					
<i>Labor Costs</i>	Staff	Rate	Unit	Hours/ Qty	Subtotal
Soil Vapor Sampling (12 sites)	Project Director	\$ 187	hour	20	\$ 3,740
	Project Manager	\$ 160	hour	39	\$ 6,240
	Proj. Engineer/Geologist	\$ 124	hour	80	\$ 9,920
	Staff Engineer/Geologist	\$ 101	hour	300	\$ 30,300
	Technical Editor	\$ 98	hour	74	\$ 7,252
Other Direct Costs					
	Truck	\$ 64	day	24	\$ 1,536
	Mileage (IRS Rate)	\$ 0.575	mile	2,040	\$ 1,173
	Analytical Laboratory(s)	\$ 12,584	site	12	\$ 151,008
Soil Vapor Sampling Subtotal (Rounded)					\$ 211,000
<i>Labor Costs</i>	Staff	Rate	Unit	Hours/ Qty	Subtotal
Groundwater Monitoring (12 sites)	Project Director	\$ 187	hour	20	\$ 3,740
	Project Manager	\$ 160	hour	39	\$ 6,240
	Proj. Engineer/Geologist	\$ 124	hour	80	\$ 9,920
	Staff Engineer/Geologist	\$ 101	hour	300	\$ 30,300
	Technical Editor	\$ 98	hour	74	\$ 7,252
Other Direct Costs					
	Truck	\$ 64	day	24	\$ 1,536
	Mileage (IRS Rate)	\$ 0.575	mile	2,028	\$ 1,166
	Analytical Laboratory(s)	\$ 4,200	site	12	\$ 50,400
	Groundwater Sampling Services	\$ 3,000	site	12	\$ 36,000
Groundwater Monitoring Subtotal (Rounded)					\$ 147,000
<i>Labor Costs</i>	Staff	Rate	Unit	Hours/ Qty	Subtotal
Reporting/Deliverables	Project Director	\$ 187	hour	70	\$ 13,090
	Project Manager	\$ 160	hour	95	\$ 15,200
	Sr. Proj. Engineer/Geologist	\$ 155	hour	145	\$ 22,475
	Proj. Engineer/Geologist	\$ 124	hour	260	\$ 32,240
	Staff Engineer/Geologist	\$ 101	hour	510	\$ 51,510
	Sr. CAD Operator	\$ 97	hour	100	\$ 9,700
	Technical Editor	\$ 98	hour	100	\$ 9,800
Reporting/Deliverables Subtotal (Rounded)					\$ 154,000
Total for Monitoring/Performance (Rounded)					\$ 512,000
4. Outreach					
<i>Labor Costs</i>	Staff	Rate	Unit	Hours/ Qty	Subtotal
Outreach	Project Director	\$ 187	hour	40	\$ 7,480
	Project Manager	\$ 160	hour	80	\$ 12,800
	Sr. Proj. Engineer/Geologist	\$ 155	hour	40	\$ 6,200
	Proj. Engineer/Geologist	\$ 124	hour	20	\$ 2,480
	Staff Engineer/Geologist	\$ 101	hour	15	\$ 1,515
	Sr. CAD Operator	\$ 97	hour	15	\$ 1,455
	Technical Editor	\$ 98	hour	15	\$ 1,470
Total for Outreach (Rounded)					\$ 33,000
Total Requested Budget (Rounded):					\$ 2,395,000

Table 3
Schedule of Charges
(Effective January 1, 2020)

Professional Services^(1,2)	Hourly Rate (\$)
Principal	213
Project Director/Senior Project Manager	187
Project Manager	160
Senior Project Engineer/Scientist	155
Project Engineer/Scientist	141
Senior Staff Engineer/Scientist	124
Staff Engineer/Scientist	101
Senior Technician	87
Technician	75
Designer/Senior CAD Operator	97
CAD Operator	80
Technical Editor	98
Project Coordinator/Word Processing	79
Project Support/Clerical	65

Reimbursables

Subsistence	45/day
Car Mileage	IRS rate
Pickup Truck (on site)	8/hour -- 64/day
Truck Mileage	IRS rate plus \$0.10
Field equipment per separate schedule	

Expenses

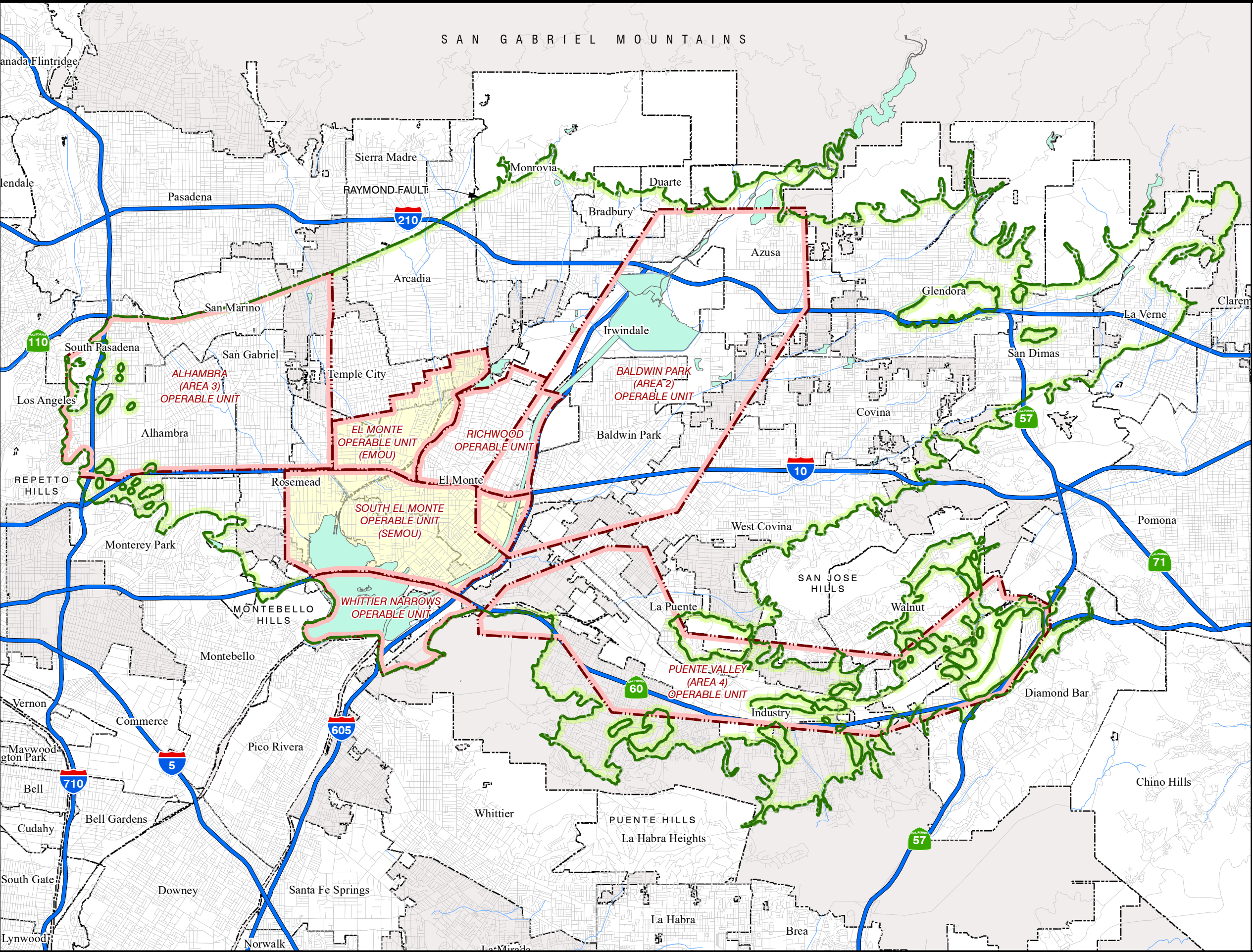
Vendor costs and direct expenses billed at actual cost plus 10%.

Notes: (1) An overtime surcharge of 30 percent may be applied to hourly rates for nonsalaried employees if field work has to be performed on weekends or at night because of site access limitations or other project-specific requirements.

(2) Preparation for expert witness services will be invoiced at the rates above apart from actual depositions and court appearances, which will be charged at double the rates listed above, with a 4-hour minimum per appearance.

Figures

S:\GIS\1563 WQA San Gabriel Valley_Priority_Sites\1563.001 Conceptual_Proposal\ArcMapDocuments\001_1563.001 San Gabriel Basin.mxd/6/21/2018



SITE VICINITY MAP

EXPLANATION

- SAN GABRIEL BASIN BOUNDARY (APPROXIMATE)
- OPERABLE UNIT BOUNDARY
- CITY BOUNDARY

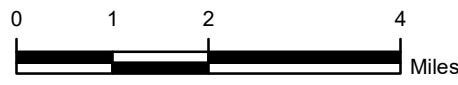
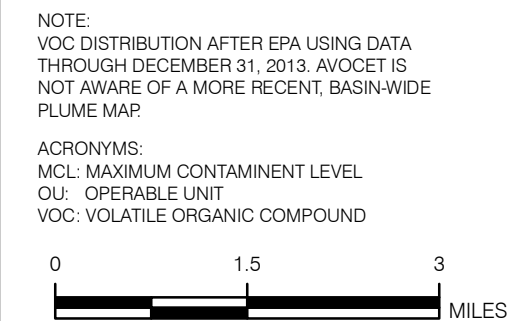


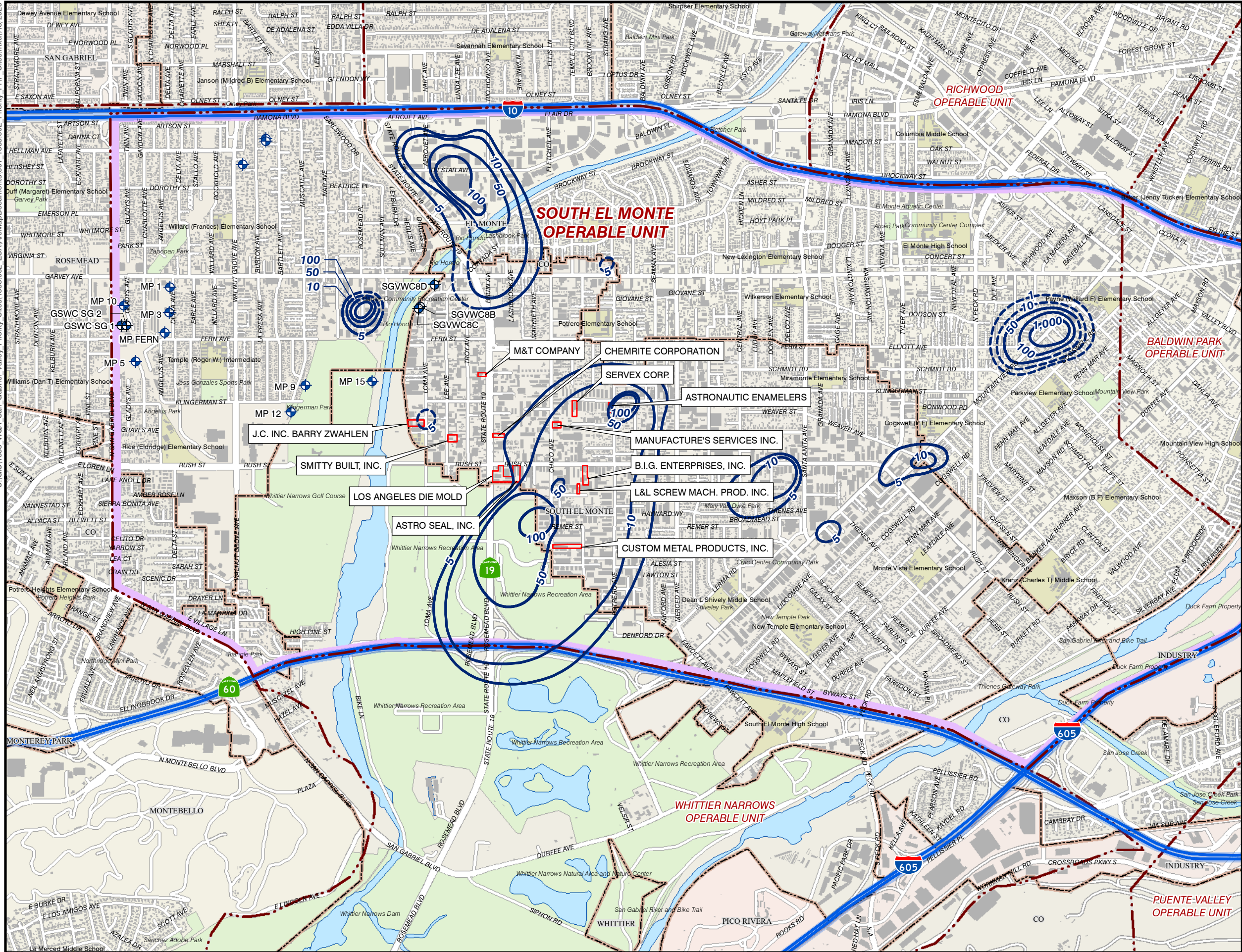
FIGURE 1
SAN GABRIEL BASIN





AVOCET
ENVIRONMENTAL, INC.

S:\GIS\1583 WQA San Gabriel Valley Priority Sites\1583 002 ESA\ArcMapDocuments\001_1583 002 Priority PRP Sites.mxd 7/8/2020



EXPLANATION

- CITY PRODUCTION WELL
- TOTAL VOC ISOCONCENTRATION LINE, SHALLOW ZONE 2011-2013 DATA IN µg/L, DASHED WHERE INFERRED
- PRIORITY PRP FACILITY
- OPERABLE UNIT BOUNDARY
- CITY BOUNDARY

REFERENCE:
VOC PLUME FROM EPA GILBANE FIGURE 4-1,
2013 VOC PLUMES SHALLOW AQUIFER
DATED: 8/27/2015

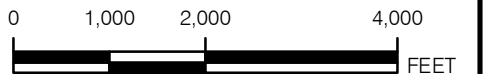


FIGURE 3
PRIORITY PRP SITES





San Gabriel Basin Water Quality Authority

1720 W. Cameron Avenue, Suite 100, West Covina, CA 91790 • 626-338-5555 • Fax 626-338-5775

AGENDA SUBMITTAL

To: WQA Board Members
From: Randy Schoellerman, Executive Director
Date: July 15, 2020
Subject: **Report on Cash and Investments – 2nd Quarter 2020**

Discussion

Attached for your review is the quarterly report on cash and investments as of June 30, 2020.

The average monthly effective yields for the Pooled Money Investment Account (PMIA) for April and May 2020 are 1.648% and 1.363%, respectively. The Local Agency Investment Fund (LAIF) quarterly rate for April through June 2020 has not yet been issued.

Recommendation / Proposed Action

For information only.

Enclosures

Cash Report

Schedule of Interest Received and Interest Rates

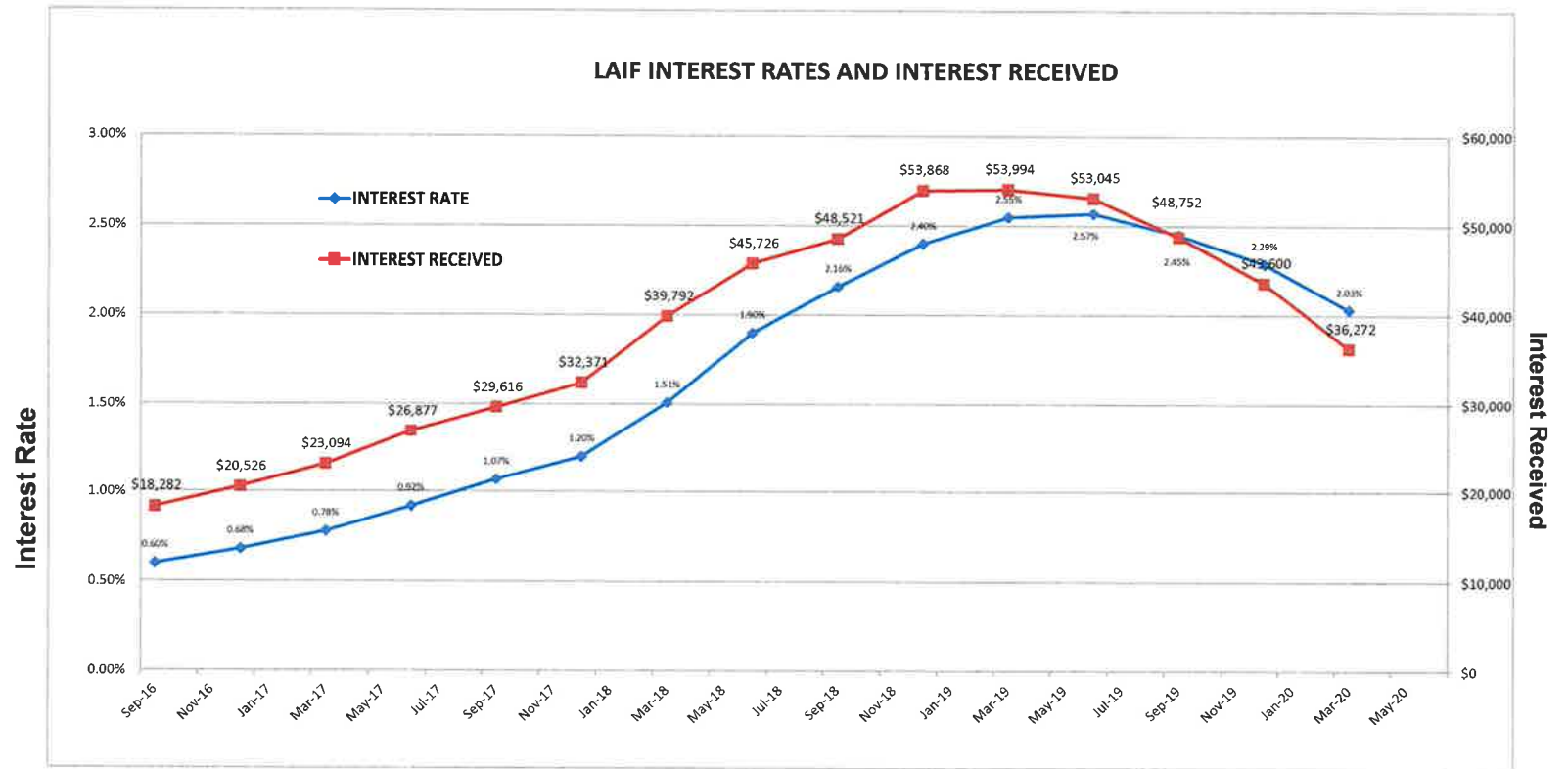
PMIA/LAIF Performance Report

San Gabriel Basin Water Quality Authority
SUMMARY OF CASH AND INVESTMENTS
June 30, 2020
DRAFT

DESCRIPTION	BALANCE
<u>CASH AND BANK ACCOUNTS</u>	
Cash on Hand	\$ 250
<u>Bank of the West Checking Accounts</u>	
General Account	1,000
Revolving Account	17,346
Payroll Account	41,285
Project Account	407,785
Pooled Money Market Account - Project/Admin	11,968
Federal Funding Account	<u>1,000</u>
Total Cash and Bank Accounts	<u>480,634</u>
<u>Trustee Accounts</u>	
<u>Bank of the West</u>	
South El Monte Operable Unit (SEMOU) Checking Account	<u>6,543</u>
Total Trustee Accounts	<u>6,543</u>
<u>Investment Accounts</u>	
California Treasurer's Office	
Local Agency Investment Fund (LAIF)	
WQA General	5,353,801
SEMOU RP's	<u>1,389,855</u>
Total Investment Accounts	<u>6,743,656</u>
TOTAL CASH, TRUSTEE AND INVESTMENT ACCOUNTS	<u><u>\$ 7,230,833</u></u>

San Gabriel Basin Water Quality Authority
SUMMARY OF CASH AND INVESTMENTS
Schedule of Interest Received and Interest Rates
AS OF JUNE 30, 2020
DRAFT

LAIF RATE TABLE		
Quarter Ended	Interest Rate (%)	Interest Rec'd
Sep-16	0.60%	\$ 18,282
Dec-16	0.68%	\$ 20,526
Mar-17	0.78%	\$ 23,094
Jun-17	0.92%	\$ 26,877
Sep-17	1.07%	\$ 29,616
Dec-17	1.20%	\$ 32,371
Mar-18	1.51%	\$ 39,792
Jun-18	1.90%	\$ 45,726
Sep-18	2.16%	\$ 48,521
Dec-18	2.40%	\$ 53,868
Mar-19	2.55%	\$ 53,994
Jun-19	2.57%	\$ 53,045
Sep-19	2.45%	\$ 48,752
Dec-19	2.29%	\$ 43,600
Mar-20	2.03%	\$ 36,272
Jun-20		





PMIA/LAIF Performance Report as of 06/10/20



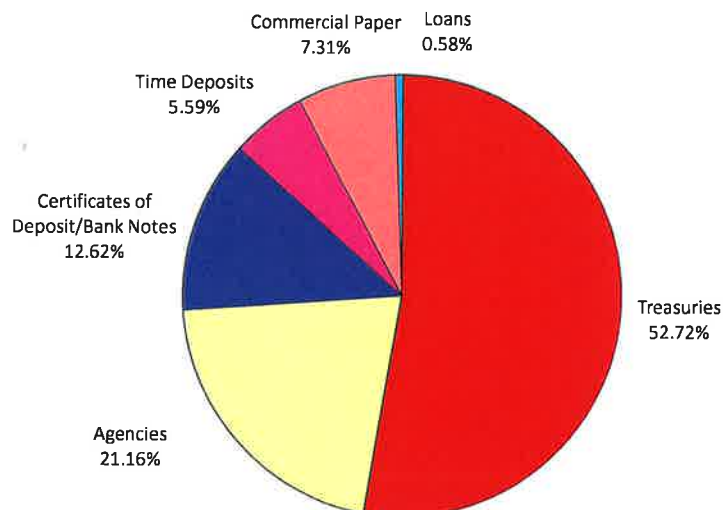
PMIA Average Monthly Effective Yields⁽¹⁾

May	1.363
Apr	1.648
Mar	1.787

Quarterly Performance Quarter Ended 03/31/20

LAIF Apportionment Rate ⁽²⁾ :	2.03
LAIF Earnings Ratio ⁽²⁾ :	0.00005535460693046
LAIF Fair Value Factor ⁽¹⁾ :	1.007481015
PMIA Daily ⁽¹⁾ :	1.73%
PMIA Quarter to Date ⁽¹⁾ :	1.89%
PMIA Average Life ⁽¹⁾ :	208

Pooled Money Investment Account Monthly Portfolio Composition ⁽¹⁾ 05/31/20 \$99.0 billion



Percentages may not total 100% due to rounding

Daily rates are now available here. [View PMIA Daily Rates](#)

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

Source:

⁽¹⁾ State of California, Office of the Treasurer

⁽²⁾ State of California, Office of the Controller



News Release

Contact: Evelyn Reyes
626-969-7911
ereyes@sgvmwd.com

The San Gabriel Valley Municipal Water District Mourns the Passing of Former Director Raul L. Romero

July 9, 2020; Azusa, California - The District board and staff mourns the passing of Raul L. Romero, former Board member for the San Gabriel Valley Municipal Water District. Raul served on the water district's board from January 2011 to December 2018 representing Division V - the City of Azusa.

Director Romero served as Treasurer and was on the District's External Affairs Committee. He also was the District's representative to the Association of California Water Agencies (ACWA) Region 8 and the San Gabriel Valley Water Association.

During his tenure at the District, Director Romero was instrumental in the development of the *San Gabriel Valley Water Forum*, the school-based *Home Water Survey Program*, the *Opportunities for Water Leadership (OWL) Community Grant Program*, and the *H₂Owl Outreach Programs*, and educational water conservation pilot projects at Mountain View and Paramount Elementary School in Azusa.

Director Romero worked as a Union Representative/Organizer for more than twenty-five years for four different unions, and served in the U.S. Army First Infantry Division in Vietnam from 1967-1968.

He was also active in many civic organizations throughout the San Gabriel Valley and California such as the San Gabriel Valley Civic Alliance, Labor Council for Latin American Advancement, Los Angeles County Federation of Labor AFL-CIO, California Congress of Seniors, American Association of Retired People, California Alliance of Retired Americans, Nosotros, and Hispanic Americans for Fairness in Media.

Director Romero is survived by his wife, Rachel, and his children, Louis, Jessica and Nicole. He is also survived by his numerous grandchildren and great-grandchild.

"On behalf of the Board and staff of the San Gabriel Valley Municipal Water District, we extend our heartfelt sympathies to the Romero family. Raul was a true public servant who proudly served his country, and the residents of Azusa. He worked tirelessly throughout his life and career to build bridges between the community, labor organizations and public agencies to make our communities stronger, and was a passionate advocate for working people. He will be dearly missed," said Thomas Wong, Board President.

On July 13, the District will adjourn its regularly scheduled board meeting in honor and memory of Director Romero, who was born on October 27, 1946 and passed away on July 8, 2020.

###

About the San Gabriel Valley Municipal Water District

The mission of the San Gabriel Valley Municipal Water District is to provide reliable supplemental water for the communities of Alhambra, Azusa, Monterey Park and Sierra Madre in a cost-effective and environmentally responsible manner.

The District was formed in 1959 after winning approval from the voters of Alhambra, Azusa, Monterey Park, and Sierra Madre. In anticipation of its long-term water needs, the District entered into a contract with the State of California Department of Water Resources in 1962 for the import of 25,000 acre-feet of water per year (now 28,800 acre-feet per year) from the State Water Project to supplement local water supplies in the San Gabriel Valley. The District is one of 29 State Water Contractors who obtain water from the State Water Project. The District operates the 38-mile Devil Canyon-Azusa pipeline which connects to the State Water Project, as well as several other facilities including a hydroelectric plant. The District also provides extensive public education and water conservation services throughout its service area. The Board of Directors meets regularly the second Monday of each month at 8 a.m. at District headquarters in Azusa. For more information please visit our website: www.sgvmwd.org.

Calendars



Jul 9 - Oct 8, 2020

Monday Jul 13, 2020

8:00am - 9:30am [SGVMWD Board Meeting](#)

Tuesday Jul 14, 2020

10:00am - 11:00am [Cancelled - WQA Admin/Finance Committee](#)

11:00am - 12:00pm [Cancelled - WQA Engineering Committee](#)

1:00pm - 2:00pm [Cancelled - USGVMWD Gov Affairs Committee Meeting](#)

Wednesday Jul 15, 2020

8:00am - 10:30am [Cancelled - TVMWD Board Meeting](#)

12:00pm - 1:00pm [WQA Board Meeting](#)

1:30pm - 2:30pm [WM Administrative Committee Mtg](#)

Wednesday Jul 22, 2020

9:00am - 10:00am [Upper District Board Meeting](#)

Thursday Jul 23, 2020

4:00pm - 5:00pm [Admin and Finance Committee meeting](#)

Tuesday Jul 28, 2020

4:00pm - 5:00pm [USGVMWD Water Resources and Facility Management Committee](#)

Wednesday Aug 5, 2020

8:00am - 10:30am [Cancelled - TVMWD Board Meeting](#)

2:30pm - 3:30pm [Watermaster Board Meeting](#)

Monday Aug 10, 2020

8:00am - 9:30am [SGVMWD Board Meeting](#)

Tuesday Aug 11, 2020

10:00am - 11:00am [WQA Admin/Finance Committee](#)

11:00am - 12:00pm [WQA Engineering Committee](#)

1:00pm - 2:00pm [USGVMWD Gov Affairs Committee Meeting](#) ↻

Wednesday Aug 12, 2020

9:00am - 10:00am [Upper District Board Meeting](#) ↻

11:00am - 12:00pm [WQA Leg/Pub Committee](#) ↻

1:30pm - 3:00pm [WM Basin Watermaster Committee Mtg](#) ↻

Wednesday Aug 19, 2020

8:00am - 10:30am [Cancelled - TVMWD Board Meeting](#)

12:00pm - 1:00pm [WQA Board Meeting](#) ↻

1:30pm - 2:30pm [WM Administrative Committee Mtg](#) ↻

Tuesday Aug 25, 2020

4:00pm - 5:00pm [USGVMWD Water Resources and Facility Management Committee](#) ↻

Wednesday Aug 26, 2020

9:00am - 10:00am [Upper District Board Meeting](#) ↻

Thursday Aug 27, 2020

4:00pm - 5:00pm [Admin and Finance Committee meeting](#) ↻

Wednesday Sep 2, 2020

8:00am - 10:30am [TVMWD Board Meeting](#) ↻

2:30pm - 3:30pm [Watermaster Board Meeting](#) ↻

Tuesday Sep 8, 2020

10:00am - 11:00am [WQA Admin/Finance Committee](#) ↻

11:00am - 12:00pm [WQA Engineering Committee](#) ↻

1:00pm - 2:00pm [USGVMWD Gov Affairs Committee Meeting](#) ↻

Wednesday Sep 9, 2020

9:00am - 10:00am [Upper District Board Meeting](#) ↻

11:00am - 12:00pm [WQA Leg/Pub Committee](#) ↻

1:30pm - 3:00pm [WM Basin Watermaster Committee Mtg](#) ↻

Monday Sep 14, 2020

8:00am - 9:30am [SGVMWD Board Meeting](#) ↻

Wednesday Sep 16, 2020

8:00am - 10:30am [TVMWD Board Meeting](#) ↻

12:00pm - 1:00pm [WQA Board Meeting](#) ↻

1:30pm - 2:30pm [WM Administrative Committee Mtg](#) ↻

Tuesday Sep 22, 2020

4:00pm - 5:00pm [USGVMWD Water Resources and Facility Management Committee](#) ↻

Wednesday Sep 23, 2020

9:00am - 10:00am [Upper District Board Meeting](#) ↻

Thursday Sep 24, 2020

4:00pm - 5:00pm [Admin and Finance Committee meeting](#) ↻

Tuesday Oct 6, 2020

1:00pm - 2:00pm [USGVMWD Gov Affairs Committee Meeting](#) ↻

Wednesday Oct 7, 2020

8:00am - 10:30am [TVMWD Board Meeting](#) ↻

2:30pm - 3:30pm [Watermaster Board Meeting](#) ↻

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