



AGENDA

**REGULAR MEETING OF THE BOARD OF DIRECTORS
LA PUENTE VALLEY COUNTY WATER DISTRICT
112 N. FIRST STREET, LA PUENTE, CALIFORNIA
MONDAY, SEPTEMBER 23, 2019 AT 5:30 PM**

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL OF BOARD OF DIRECTORS

President Escalera ____ Vice President Hernandez ____ Director Barajas ____
Director Hastings ____ Director Rojas ____

4. PUBLIC COMMENT

Anyone wishing to discuss items on the agenda or pertaining to the District may do so now. The Board may allow additional input during the meeting. A five-minute limit on remarks is requested.

5. ADOPTION OF AGENDA

Each item on the Agenda shall be deemed to include an appropriate motion, resolution or ordinance to take action on any item. Materials related to an item on this agenda submitted after distribution of the agenda packet are available for public review at the District office, located at the address listed above.

6. APPROVAL OF CONSENT CALENDAR

There will be no separate discussion of Consent Calendar items as they are considered to be routine by the Board of Directors and will be adopted by one motion. If a member of the Board, staff, or public requests discussion on a particular item, that item will be removed from the Consent Calendar and considered separately.

- A. Approval of Minutes of the Special Meeting of the Board of Directors held on September 16, 2019.

7. FINANCIAL REPORTS

- A. Summary of the District's Cash and Investments as of August 31, 2019.

Recommendation: Receive and File.

- B. Statement of District's Revenue and Expenses as of August 31, 2019.

Recommendation: Receive and File.

- C. Statement of the Industry Public Utilities Water Operations' Revenue and Expenses as of August 31, 2019.

Recommendation: Receive and File.

8. PRESENTATION FROM THE GENERAL MANAGER OF UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT

9. ACTION / DISCUSSION ITEMS

A. Update on the District's Recycled Water Project.

Recommendation: Board Discretion.

10. ENGINEERING & COMPLIANCE MANAGER'S REPORT

Recommendation: Receive and File.

11. GENERAL MANAGER'S REPORT

12. OTHER ITEMS

A. Upcoming Events.

B. Information Items.

13. ATTORNEY'S COMMENTS

14. BOARD MEMBER COMMENTS

A. Report on Events Attended.

B. Other Comments.

15. FUTURE AGENDA ITEMS

16. ADJOURNMENT

POSTED: Friday, September 20, 2019

President John P. Escalera, Presiding.

Any qualified person with a disability may request a disability-related accommodation as needed to participate fully in this public meeting. In order to make such a request, please contact Mr. Greg Galindo, Board Secretary, at (626) 330-2126 in sufficient time prior to the meeting to make the necessary arrangements.

Note: Agenda materials are available for public inspection at the District office or visit the District's website at www.lapuentewater.com.



**MINUTES OF THE SPECIAL MEETING OF
THE BOARD OF DIRECTORS OF THE
LA PUENTE VALLEY COUNTY WATER DISTRICT
FOR MONDAY, SEPTEMBER 16, 2019 AT 5:30 PM**

1. CALL TO ORDER

President Escalera called the meeting to order at 5:30 p.m.

2. PLEDGE OF ALLEGIANCE

President Escalera led the meeting in the Pledge of Allegiance.

3. ROLL CALL OF THE BOARD OF DIRECTORS

President Escalera	Vice President Hernandez	Director Barajas	Director Hastings	Director Rojas
Present	Present	Present	Present	Present

OTHERS PRESENT

Staff and Counsel: General Manager & Board Secretary, Greg Galindo; Office Manager, Gina Herrera; Engineering and Compliance Manager, Roy Frausto and District Counsel, Andrew Turner (filing in for Jim Ciampa).

Public: Valerie Munoz, Mayor of the City of La Puente and Board Member for the San Gabriel Basin Water Quality Authority.

4. PUBLIC COMMENTS

Mrs. Valerie Munoz greeted the Board of Directors and stated that she was in attendance on behalf of the San Gabriel Basin Water Quality Authority. Mrs. Munoz also provided some information on City related items.

5. ADOPTION OF AGENDA

Motion: Adopt Agenda as Presented.

1st: Director Rojas

2nd: Vice President Hernandez

	Escalera	Hernandez	Barajas	Hastings	Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

6. APPROVAL OF CONSENT CALENDAR

Motion: Approve Consent Calendar as Presented.

1st: Director Rojas

2nd: Vice President Hernandez

	Escalera	Hernandez	Barajas	Hastings	Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

7. ACTION / DISCUSSION ITEMS

A. Consideration of Proposal from Geosyntec Consultants to Prepare a Technical Memorandum to Evaluate Groundwater Nitrate Removal Treatment Systems.

Mr. Frausto provided a presentation (enclosed) summarizing the reason for staff's recommendation and highlighted sections of his staff report on the action item. During the presentation there was much discussion amongst the Board and Staff on the item. After the discussion a motion was made by President Escalera.

Motion: Authorize the General Manager Enter into a Professional Services Agreement with Geosyntec Consultants (Geosyntec) for the Preparation of a Technical Memorandum to Evaluate Groundwater Treatment Systems for Nitrate Removal at the LPVCWD Treatment Facility, for an Amount not to Exceed \$72,600.

1st: President Escalera

2nd: Director Hastings

	Escalera	Hernandez	Barajas	Hastings	Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

B. Consideration of a Quote from Tri County Pump Company to Perform Well Casing Maintenance Work to the District's Well No 5.

Mr. Galindo provided a summary of his staff report that he had prepared for the Well No. 5 casing maintenance work action item and for the pump assembly replacement action item. He explained that Well No. 5 is the primary source of supply for the District's groundwater treatment facility and that since the well was placed out of service in February 2019, the District has been utilizing its backup wells to continue operations at full treatment facility capacity. He emphasized how important it is for the District to have backup wells ready to go to meet water supply needs. Mr. Galindo also explained the difference between current pump and the proposed new pump assembly. He added that after the well casing work is complete and the new pump is installed a structure over the wellhead may be required to mitigate any noise issues. Mr. Galindo presented pictures of the current pump equipment and also of the well casing inspection report. During Mr. Galindo's presentation there was discussion amongst the Board and staff on the well casing and the proposed new pump assembly. After the discussion a motion was made by Director Rojas.

Motion: Authorize the General Manager to Proceed with Services as Proposed by Tri County Pump Company for an Amount not to Exceed \$39,000.

1st: Director Rojas

2nd: Director Barajas

	Escalera	Hernandez	Barajas	Hastings	Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

C. Consideration of Quote from Tri County Pump Company to Supply and Install a New Pump Assembly and Motor for the District’s Well No. 5.

Motion: Authorize the General Manager to Enter into an Agreement with Tri County Pump Company for the Supply and Installation of a New Pump Assembly and Motor for the District’s Well No. 5, for an Amount not to Exceed \$138,000, contingent upon District Counsel’s approval of the agreement and staff’s filing of the appropriate CEQA documentation.

1st: Director Hastings

2nd: Director Barajas

	Escalera	Hernandez	Barajas	Hastings	Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

D. Consideration of Donation of Water to the Industry Hills Charity Pro Rodeo.

Mr. Galindo reported that he District received a request for donation of water for volunteers that would be working the Industry Hills Charity Rodeo Event. Mr. Galindo recommended donating up to \$300 in the form of bottled water.

Motion: The Board approved the donation of water to the Industry Hills Charity Pro Rodeo for an amount up to \$300.00.

1st: Director Rojas

2nd: Vice President Hernandez

	Escalera	Hernandez	Barajas	Hastings	Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

8. GENERAL MANAGER’S REPORT

Mr. Galindo reported that the District will be providing an estimate for waterline improvement work for the City of La Puente’s Park Project. He explained the type of work that may be performed and Mrs. Munoz also provided some information on the Park project.

9. OTHER ITEMS

A. Upcoming Events.

Mrs. Herrera reviewed upcoming events with the Board and verified what events each member would be attending.

B. Information Items.

Included in Board Packet.

10. ATTORNEY’S COMMENTS

Mr. Turner reported that the California Legislative Session ended on Friday the 13th and that bills have been sent to the Governor’s desk. He added that Mr. Ciampa will be providing a legislative summary report to PWAG in the near future.

11. BOARD MEMBER COMMENTS

A. Report on Events Attended.

Director Barajas reported that he attended 1 event: SCWUA Vendor’s Fair.

Director Hastings reported that he attended 1 event: SCWUA Vendor’s Fair.

President Escalera reported that he attended 1 event: SCWUA Vendor’s Fair.

Director Rojas reported that he attended 1 event: SCWUA Vendor’s Fair.

B. Other Comments.

No additional comments.

12. FUTURE AGENDA ITEMS

No future items.

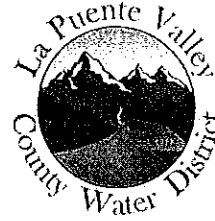
13. ADJOURNMENT

President Escalera adjourned the meeting at 6:22 p.m.

Attest:

John P. Escalera, President

Greg B. Galindo, Secretary



**Summary of Cash and Investments
August 2019**

La Puente Valley County Water District

Investments	Interest Rate (Apportionment Rate)	Beginning Balance	Receipts/ Change in Value	Disbursements/ Change in Value	Ending Balance
Local Agency Investment Fund	2.34%	\$ 3,004,975.13	\$ -	\$ -	\$ 3,004,975.13
Raymond James Financial Services		\$ 101,232.13	\$ 260.74	\$ -	\$ 101,492.87
Checking Account					
Well Fargo Checking Account (per General Ledger)		\$ 380,082.83	\$ 545,235.70	\$ 699,946.56	\$ 225,371.97
District's Total Cash and Investments:					\$ <u>3,331,839.97</u>

Industry Public Utilities

Checking Account	Beginning Balance	Receipts	Disbursements	Ending Balance
Well Fargo Checking Account (per General Ledger)	\$ 881,687.87	\$ 225,856.39	\$ 307,950.59	\$ 799,593.67
IPU's Total Cash and Investments:				\$ <u>799,593.67</u>

I certify that; (1) all investment actions executed since the last report have been made in full compliance with the Investment Policy as set forth in Resolution No. 237 and, (2) the District will meet its expenditure obligations for the next six (6) months.

Greg B. Galindo

, General Manager

Date: 9.17.19

Greg B. Galindo

La Puente Valley County Water District (Treatment Plant Included)
Statement of Revenues and Expenses
For the Period Ending August 31, 2019
(Unaudited)

	LPVCWD YTD 2019	TP YTD 2019	COMBINED YTD 2019	COMBINED BUDGET 2019	67% OF BUDGET	COMBINED 2018 YE
Total Operational Rate Revenues	\$ 1,359,247	\$ -	\$ 1,359,247	\$ 2,075,000	66%	\$ 2,027,154
Total Operational Non-Rate Revenues	647,350	752,261	1,399,611	2,355,900	59%	\$ 2,307,988
Total Non-Operating Revenues	208,518	-	208,518	340,500	61%	361,363
TOTAL REVENUES	2,215,116	752,261	2,967,376	4,771,400	62%	4,696,506
Total Salaries & Benefits	1,124,127	195,487	1,319,614	2,009,900	66%	1,931,953
Total Supply & Treatment	566,067	480,804	1,046,871	1,793,200	58%	1,631,908
Total Other Operating Expenses	130,545	62,321	192,867	481,000	40%	320,725
Total General & Administrative	209,914	13,649	223,562	412,200	54%	393,526
TOTAL EXPENSES	2,030,654	752,261	2,782,915	4,696,300	59%	4,278,112
TOTAL OPERATIONAL INCOME	184,462	-	184,462	75,100	246%	418,394
Capital Improvements	(258,478)	-	(258,478)	(797,000)	32%	(262,934)
Capital Outlay	(34,402)	-	(34,402)	(70,000)	49%	-
TOTAL CAPITAL	(292,879)	-	(292,879)	(867,000)	34%	(262,934)
INCOME (AFTER CAPITAL EXP.)	(108,417)	-	(108,417)	(791,900)	14%	155,461
Capital Reimbursement (OU Projects)	-	-	-	160,000	0%	-
Grant Revenue	-	-	-	-	-	-
Loan Proceeds	-	-	-	-	-	-
Loan Repayment	-	-	-	-	0%	-
PROJECTED CHANGE IN CASH	(108,417)	-	(108,417)	(631,900)	17%	155,461
Contributed Capital	-	-	-	-	-	213,160
Add Back Capitalized Assets	292,879	-	292,879	867,000	34%	262,934
Less Depreciation Expense	(253,333)	(75,000)	(328,333)	(560,000)	59%	(520,380)
Less OPEB & Pension Liability Expense	-	-	-	(10,000)	0%	(65,927)
NET INCOME (LOSS)	\$ (68,872)	\$ (75,000)	\$ (143,872)	\$ (334,900)	43%	\$ 45,248

La Puente Valley County Water District
Statement of Revenues and Expenses
For the Period Ending August 31, 2019
(Unaudited)

	AUGUST 2019	YTD 2019	ANNUAL BUDGET 2019	67% OF BUDGET	YEAR END 2018
Operational Rate Revenues					
Water Sales	\$ 187,941	\$ 823,040	\$ 1,300,000	63%	\$ 1,279,563
Service Charges	60,011	438,046	640,000	68%	612,240
Surplus Sales	4,532	34,119	40,000	85%	45,028
Customer Charges	3,306	23,259	34,100	68%	30,661
Fire Service	8,831	40,289	59,900	67%	57,698
Miscellaneous Income	-	496	1,000	50%	1,964
Total Operational Rate Revenues	264,621	1,359,247	2,075,000	66%	2,027,154
Operational Non-Rate Revenues					
Management Fees	-	171,213	265,900	64%	260,711
PVOU Service Fees (Labor)	-	6,693	20,000	33%	14,553
BPOU Service Fees (Labor)	24,339	195,487	301,400	65%	304,377
IPU Service Fees (Labor)	59,580	469,445	695,600	67%	688,181
Other O & M Fees	-	-	13,000	0%	12,892
Total Operational Non-Rate Revenues	83,919	842,837	1,295,900	65%	1,280,713
Non-Operational Revenues					
Taxes & Assessments	11,391	126,622	215,000	59%	244,409
Rental Revenue	3,116	24,655	36,800	67%	36,038
Interest Revenue	-	36,722	67,000	55%	56,997
Miscellaneous Income	287	16,127	16,700	97%	19,382
Developer Fees	-	4,392	5,000	88%	4,537
Total Non-Operational Revenues	14,793	208,518	340,500	61%	361,363
TOTAL REVENUES	363,333	2,410,602	3,711,400	65%	3,669,231
Salaries & Benefits					
Total District Wide Labor	103,828	782,067	1,195,800	65%	1,109,643
Directors Fees & Benefits	8,913	74,215	116,600	64%	118,898
Benefits	26,649	209,038	308,800	68%	302,046
OPEB Payments	3,897	81,174	142,000	57%	150,061
Payroll Taxes	8,173	63,509	92,800	68%	92,806
Retirement Program Expense	11,628	109,611	153,900	71%	158,499
Total Salaries & Benefits	163,087	1,319,614	2,009,900	66%	1,931,953
Analysis Purposes Only:					
<i>Offsetting Revenue</i>	(83,919)	(671,624)	(1,017,000)	66%	(1,007,110)
<i>District Labor Net Total</i>	79,168	647,990	992,900	65%	924,843
Supply & Treatment					
Purchased & Leased Water	199	224,709	467,200	48%	377,335
Power	16,062	105,589	163,700	65%	151,904
Assessments	6,782	220,707	248,300	89%	189,588
Treatment	378	2,109	6,700	31%	2,898
Well & Pump Maintenance	9,996	12,954	45,000	29%	19,250
Total Supply & Treatment	33,418	566,067	930,900	61%	740,975

La Puente Valley County Water District
Statement of Revenues and Expenses
For the Period Ending August 31, 2019
(Unaudited)

	AUGUST 2019	YTD 2019	ANNUAL BUDGET 2019	67% OF BUDGET	YEAR END 2018
Other Operating Expenses					
General Plant	1,724	16,054	48,100	33%	24,799
Transmission & Distribution	837	36,520	102,400	36%	75,273
Vehicles & Equipment	2,525	15,537	31,300	50%	21,166
Field Support & Other Expenses	1,955	29,711	69,000	43%	44,972
Regulatory Compliance	2,684	32,723	63,000	52%	34,621
Total Other Operating Expenses	9,725	130,545	313,800	42%	200,831
General & Administrative					
District Office Expenses	4,794	46,354	64,100	72%	31,919
Customer Accounts	2,060	15,130	25,000	61%	20,161
Insurance	-	30,002	65,800	46%	65,177
Professional Services	3,428	68,486	120,000	57%	149,737
Training & Certification	3,761	29,297	37,500	78%	38,323
Public Outreach & Conservation	1,833	5,914	32,500	18%	35,382
Other Administrative Expenses	1,699	14,730	36,800	40%	36,377
Total General & Administrative	17,575	209,914	381,700	55%	377,077
TOTAL EXPENSES	223,805	2,226,140	3,636,300	61%	3,250,836
TOTAL OPERATIONAL INCOME	139,528	184,462	75,100	246%	418,395
Capital Improvements					
Zone 3 Improvements	-	(10,860)	-	N/A	(174,029)
Fire Hydrant Repair/Replacements	-	(2,940)	(5,000)	59%	(15,001)
Service Line Replacements	-	(20,580)	(37,000)	56%	(60,055)
Valve Replacements	-	(1,994)	(40,000)	5%	(7,710)
Meter Read Collection System	-	-	(20,000)	0%	(181)
SCADA Improvements	-	-	-	N/A	-
Main & 1st Street Building Retrofit	-	-	-	N/A	(4,080)
Ferrero Lane & Rorimer St. Improvements	-	-	(40,000)	0%	-
5th Avenue Waterline Improvement	(130)	(170,870)	(180,000)	95%	-
LP-CIWS Interconnection (Ind. Hills)	-	-	(10,000)	0%	-
Hudson Plant Improvements	-	-	(30,000)	0%	-
Well No.5 Rehab (Design)	(51,234)	(51,234)	(165,000)	31%	-
Nitrate Treatment System	-	-	(85,000)	0%	-
Phase 1 - Recycled Water System	-	-	(170,000)	0%	(1,879)
Other Improvements	-	-	(15,000)	0%	-
Total Capital Improvements	(51,364)	(258,478)	(797,000)	32%	(262,934)

La Puente Valley County Water District
Statement of Revenues and Expenses
For the Period Ending August 31, 2019
(Unaudited)

	AUGUST 2019	YTD 2019	ANNUAL BUDGET 2019	67% OF BUDGET	YEAR END 2018
Capital Outlay					
Truck(s)	-	(34,402)	(40,000)	86%	-
Other Equipment	-	-	(10,000)	0%	-
IT Equipment	-	-	(20,000)	0%	-
Total Capital Outlay	-	(34,402)	(70,000)	49%	-
TOTAL CAPITAL	(51,364)	(292,879)	(867,000)	34%	(262,934)
INCOME (AFTER CAPITAL EXP.)	88,164	(108,417)	(791,900)	14%	155,462
Funding & Debt Repayment					
Capital Reimbursement (OU Projects)	-	-	160,000	0%	-
Grant Revenue	-	-	-	N/A	-
Loan Proceeds	-	-	-	N/A	-
Loan Repayment	-	-	-	N/A	-
CASH DIFFERENCE	88,164	(108,417)	(631,900)	17%	155,462
Contributed Capital	-	-	-	N/A	213,160
Add Back Capitalized Assets	51,364	292,879	867,000	34%	262,934
Less Depreciation Expense	(31,667)	(253,333)	(380,000)	67%	(364,997)
Less OPEB Expense - Not Funded	-	-	(10,000)	0%	(65,927)
NET INCOME (LOSS)	\$ 107,862	\$ (68,872)	\$ (154,900)	44%	\$ 200,632

Treatment Plant
Statement of Revenues and Expenses
For the Period Ending August 31, 2019
(Unaudited)

	AUGUST 2019	YTD 2019	ANNUAL BUDGET 2019	67% OF BUDGET	YEAR END 2018
Non-Rate Operational Revenues					
Reimbursements from CR's	43,236	556,774	\$ 1,361,400	41%	1,027,275
Miscellaneous Income	-	-	-	N/A	-
Total Non-Rate Operational Revenues	43,236	556,774	1,361,400	41%	1,027,275
Salaries & Benefits					
<i>BPOU TP Labor (1)</i>	24,339	195,487	301,400	65%	-
Contract Labor	-	-	-	N/A	-
Total Salaries & Benefits	24,339	195,487	301,400	65%	-
Supply & Treatment					
NDMA, 1,4-Dioxane Treatment	5,305	117,041	218,200	54%	209,363
VOC Treatment	-	854	20,000	4%	1,756
Perchlorate Treatment	7,099	197,149	344,000	57%	446,147
Other Chemicals	1,330	18,953	17,500	108%	14,148
Treatment Plant Power	16,891	106,021	200,200	53%	185,672
Treatment Plant Maintenance	3,956	20,733	42,000	49%	24,568
Well & Pump Maintenance	-	20,052	20,400	98%	9,279
Total Supply & Treatment	34,581	480,804	862,300	56%	890,933
Other Operating Expenses					
General Plant	1,360	11,243	40,000	28%	16,262
Transmission & Distribution	-	121	-	N/A	263
Vehicles & Equipment	968	7,800	12,200	64%	10,926
Field Support & Other Expenses	-	22	15,000	0%	55
Regulatory Compliance	6,326	43,135	100,000	43%	92,388
Total Other Operating Expenses	8,655	62,321	167,200	37%	119,894
General & Administrative					
District Office Expenses	-	-	2,500	0%	-
Insurance	-	4,979	18,000	28%	9,153
Professional Services	-	8,670	10,000	87%	7,296
Total General & Administrative	-	13,649	30,500	45%	16,449
TOTAL EXPENSES	67,575	752,261	1,361,400	55%	1,027,276
TOTAL EXPENSES (Minus Labor)	43,236	556,774	1,060,000	53%	1,027,276
TOTAL OPERATIONAL INCOME	-	-	-		-
Depreciation Expense	(15,000)	(75,000)	(180,000)	42%	(155,383)
Total Non-Cash Items (Dep. & OPEB)	(15,000)	(75,000)	(180,000)	42%	(155,383)
NET INCOME (LOSS)	\$ (15,000)	\$ (75,000)	\$ (180,000)	42%	(155,383)

(1) The labor expense depicted here is the amount of labor billed to the BPOU in which the District receives reimbursement which is shown on the District's Statement of Revenues and Expenses as operational non-rate revenue (BPOU Service Fees).

INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS
Statement of Revenue and Expenses Summary
For the Period Ending August 31, 2019
(Unaudited)

	AUGUST 2019	FISCAL YTD 2019-2020	BUDGET FY 2019-2020	17% OF BUDGET	FY END 2018-2019
Total Operational Revenues	\$ 109,379	\$ 305,902	\$ 1,983,600	15%	\$ 1,870,756
Total Non-Operational Revenues	-	-	42,500	0%	31,502
TOTAL REVENUES	109,379	305,902	2,026,100	15%	1,902,258
Total Salaries & Benefits	59,580	110,166	687,500	16%	674,004
Total Supply & Treatment	29,584	47,705	667,200	7%	780,162
Total Other Operating Expenses	8,006	17,783	221,000	8%	179,462
Total General & Administrative	5,554	9,172	304,000	3%	265,387
Total Other & System Improvements	5,850	7,940	287,800	3%	68,587
NET OPERATING INCOME (LOSS)	108,574	192,767	2,167,500	9%	1,967,602
OPERATING INCOME	804	113,136	(141,400)		(65,344)
NET INCOME (LOSS)	\$ 804	\$ 113,136	\$ (141,400)		\$ (65,344)

INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS

Statement of Revenue and Expenses

For the Period Ending August 31, 2019

(Unaudited)

	AUGUST 2019	FISCAL YTD 2019-2020	BUDGET FY 2019-2020	17% OF BUDGET	FY END 2018-2019
Operational Revenues					
1 Water Sales	\$ 67,827	\$ 193,367	\$ 1,239,000	16%	\$ 1,133,233
2 Service Charges	36,976	93,332	618,600	15%	615,778
3 Customer Charges	1,445	2,930	21,000	14%	19,095
4 Fire Service	3,131	16,274	105,000	15%	102,650
5 <i>Total Operational Revenues</i>	109,379	305,902	1,983,600	15%	1,870,756
Non-Operational Revenues					
6 Contamination Reimbursement	-	-	40,000	0%	31,502
7 Developer Fees	-	-	2,500	0%	-
8 Miscellaneous Income	-	-	-	N/A	-
9 <i>Total Non-Operational Revenues</i>	-	-	42,500	0%	31,502
10 TOTAL REVENUES	109,379	305,902	2,026,100	15%	1,902,258
Salaries & Benefits					
11 Administrative Salaries	17,635	34,953	202,400	17%	200,341
12 Field Salaries	20,858	36,570	234,800	16%	231,034
13 Employee Benefits	12,782	23,308	150,100	16%	145,869
14 Pension Plan	5,690	10,482	61,900	17%	60,337
15 Payroll Taxes	2,616	4,853	31,700	15%	29,991
16 Workman's Compensation	-	-	6,600	0%	6,431
17 <i>Total Salaries & Benefits</i>	59,580	110,166	687,500	16%	674,004
Supply & Treatment					
18 Purchased Water - Leased	-	-	235,900	0%	379,470
19 Purchased Water - Other	2,444	4,829	22,500	21%	21,271
20 Power	3,944	19,679	125,000	16%	98,112
21 Assessments	6,618	6,618	232,700	3%	161,648
22 Treatment	-	-	6,100	0%	7,399
23 Well & Pump Maintenance	16,579	16,579	45,000	37%	112,261
24 <i>Total Supply & Treatment</i>	29,584	47,705	667,200	7%	780,162
Other Operating Expenses					
25 General Plant	552	905	35,000	3%	13,288
26 Transmission & Distribution	3,117	9,231	75,000	12%	77,363
27 Vehicles & Equipment	-	-	36,000	0%	33,891
28 Field Support & Other Expenses	1,518	4,334	35,000	12%	24,898
29 Regulatory Compliance	2,820	3,314	40,000	8%	30,022
30 <i>Total Other Operating Expenses</i>	8,006	17,783	221,000	8%	179,462

INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS

Statement of Revenue and Expenses

For the Period Ending August 31, 2019

(Unaudited)

	AUGUST 2019	FISCAL YTD 2019-2020	BUDGET FY 2019-2020	17% OF BUDGET	FY END 2018-2019
General & Administrative					
31 Management Fee	-	-	191,300	0%	187,569
32 Office Expenses	4,037	5,224	19,200	27%	34,693
33 Insurance	-	475	15,000	3%	14,991
34 Professional Services	-	218	30,000	1%	4,514
35 Customer Accounts	1,362	2,927	30,000	10%	17,674
36 Public Outreach & Conservation	14	27	15,000	0%	4,038
37 Other Administrative Expenses	141	301	3,500	9%	1,908
38 <i>Total General & Administrative</i>	5,554	9,172	304,000	3%	265,387
Other Exp. & System Improvements (Water Ops Fund)					
39 Fire Hydrant Repair/Replace	773	773	6,300	12%	11,629
40 Service Line Replacements	-	-	30,000	0%	44,327
41 Valve Replacements & Installations	-	-	19,500	0%	8,723
42 Meter Read Collection System	-	-	12,000	0%	-
43 SCADA System Assessment & Improvement	-	-	20,000	0%	-
44 Water Rate Study	5,078	7,168	-	0%	3,908
45 Groundwater Treatment Facility Feas. Study	-	-	200,000	0%	-
46 <i>Total Other & System Improvements</i>	5,850	7,940	287,800	3%	68,587
47 TOTAL EXPENSES	108,574	192,767	2,167,500	9%	1,967,602
48 NET OPERATING INCOME (LOSS)	804	113,136	(141,400)		(65,344)

Memo



To: Honorable Board of Directors
From: Roy Frausto, Engineering & Compliance Manager
Date: September 23, 2019
Re: Recycled Water Project Update Report

Objective of the Recycled Water Project

The District seeks to construct a recycled water system to deliver 55 to 60-acre feet of local recycled water for irrigation use, decrease the District's dependency on import water for groundwater replenishment and minimize the impact of the rising cost of replenishment water.

Background

The District's primary water supply is groundwater produced from its well field. Water produced from its well field is pumped out of the Main San Gabriel Groundwater Basin (Basin). The District's annual groundwater production right is approximately 860-acre feet, which varies depending on the annual Safe Yield of the Basin. The District's annual average water system demand, over the last five years, is 1,523 acre-feet, which is approximately 660-acre feet more than its annual production right. Every acre foot of water the District produces over its annual production rights requires the District to either purchase import water to replenish that amount of water it produces over its right or to lease groundwater production rights. The current cost for leasing an acre foot of groundwater production right is \$758.94.

In April 2013, the Board of Directors received and filed the District's Draft Recycled Water Feasibility Study to support the fruition of the Recycled Water Project. From this point forward, several other Board related action items were taken to support the project as summarized below:

- July 2015 - The Board approved a Memorandum of Understanding with Upper San Gabriel Valley Municipal Water District (Upper District) for Recycled Water Project Funding.
- January 2016 - The Board adopted Resolution No. 238 Accepting and Adopting the CEQA Mitigation Negative Declaration for the Upper San Gabriel Valley Municipal Water District Recycled Water Program Expansion, which incorporated the District's Phase 1 Recycled Water System.
- April 2016 - The Board adopted Resolution No. 239 establishing a Recycled Water Mandatory Use Ordinance.
- November 2016 - The Board adopted the 2017 Budget appropriating \$1,700,000 for the Recycled Water Project Phase 1.
- October 2017 - The Board approved the Plans and Specifications for the Recycled Water Project Phase 1

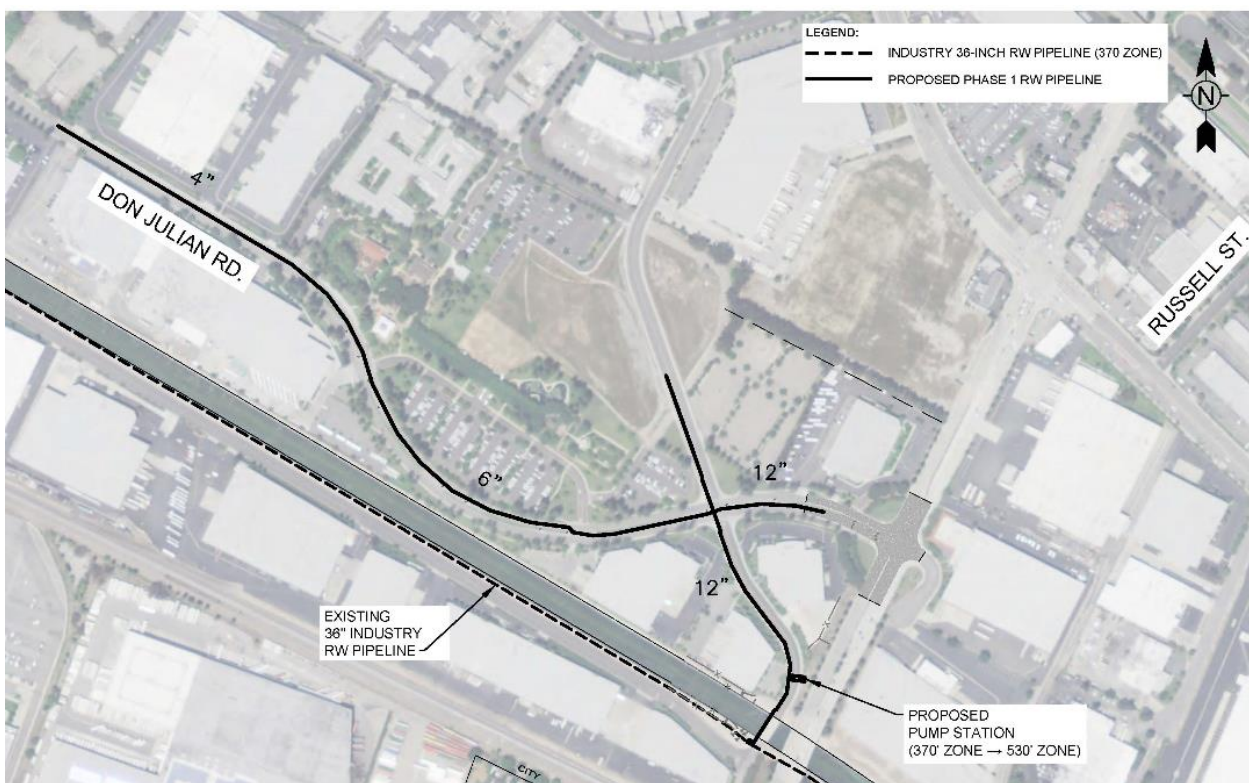
- December 2018 - The Board adopted the 2019 Budget, which appropriated \$1,450,000 for the Recycled Water Project - Phase 1.
- July 2019 - The Board approved the MWD LRP Agreement.

Project Description

The Phase 1 Recycled Water Project is designed to deliver a total of 55 AFY of recycled water to twelve (12) customers within the boundaries of LPVCWD. Water delivered will be disinfected tertiary-treated recycled water supplied by Los Angeles County Sanitation Districts’ (San Districts) San Jose Creek Water Reclamation Plant (SJCWRP), located at 1965 Workman Mill Road.

The design of the Phase 1 Recycled Water Project consists of a Tie-In to the existing 36-inch recycled waterline that is adjacent to the San Jose Creek, the installation of 1,000 linear feet of 4-inch diameter pipeline, 1,400 linear feet of 6-inch diameter pipeline, 1,700 linear feet of 12-inch diameter pipeline and a new booster pump station to be located near the intersection of Parriott Place and the San Jose Creek storm water channel. A total of 4,100 linear feet of PVC C900 would be installed for Phase 1 as shown in **Figure 1** below.

Figure 1 – Phase 1 Recycled Water Layout



Project Milestones

- **April 2013:** Completion of the Recycled Water Feasibility study
- **May 2014:** Award of grant funds (to USGVMWD for our project)
- **July 2015:** MOU between Upper District and LPVCWD with respect to project funding

- **January 2016:** Adoption of CEQA Mitigated Negative Declaration for the Upper District Recycled Water program expansion
- **October 2017:** Approval of the Plans and Specifications
- **October 2017:** Request for an extension with respect to the construction deadline of June 30, 2018, to June 30, 2019, to provide the Sanitation Districts time to complete their 1211 process and guarantee the recycled water to LPVCWD
- **July 2019:** Metropolitan Water District (MWD) Local Resource Program Agreement between MWD, Upper District, and LPVCWD, for the District's Recycled Water Project
- **July 2019:** Approval of the 1211 permit from the SWRCB

Project Delays

During early 2017, the District received correspondence from the San Districts with respect to a need of a 1211 Permit. In summary, the San Districts were required to initiate an effort to complete and file a Water Code Section 1211 wastewater change petition with the State Water Resources Control Board (SWRCB) for approval of the 55 AFY diversion for our Phase 1 project. During the filing and review process of the 1211 permit, the California Fish and Wildlife (Fish and Wildlife) protested the 1211 petition with respect to concerns that the planned reduction in surface water discharge could potentially impact sensitive biological resources. As a result, the District decided to put a hold on any contractual obligations with respect to construction of the Phase 1 project until an approved 1211 permit was issued to ensure the availability of water.

Based on ongoing negotiations between the San Districts and Fish and Wildlife, on January 10, 2019, the San Districts were copied on a letter from Fish and Wildlife to the SWRCB requesting a withdrawal of their protest to the 1211 petition. As a result, the SWRCB can now move forward with processing the petition.

Outstanding Items

In order to accommodate the construction of the Recycled Water Project and to incorporate it as part of the District's water system, there are several administrative and permitting efforts that still need to be completed. The following list are items that still need to be completed:

- Finalize the updated plans, specification and bid package
- Encroachment Permit from City of Industry
- Southern California Edison service
- Amend the MOU with Upper District
- Procurement of pump station
- Rules and regulations for recycled water use
- Retrofit designs
- DDW Permit Amendment

Construction Project Schedule

Provided the San Districts now has an approved the 1211 permit for our Phase 1 project, the following schedule details the objectives to complete the construction of the Phase project:

1. **Design update** (Plans and Specs) – 9/23/019
2. **Advertise for bids** – 10/7/2019
3. **Contract Execution** – 12/23/2019
4. **Construction** – 1/6/2020
 - a. Pothole – 1/21/2020
 - b. Bridge crossing – 2/4/2020
 - c. Pipeline install – 3/10/2020
 - d. Service laterals – 3/31/2020
 - e. Pump Station – 4/14/2020
 - f. Pressure test – 4/21/2020
 - g. Hot Tap – 4/27/2020
 - h. Paving – 5/4/2020

Project Summary

As previously mentioned, the overall purpose of the Recycled Water Project is to decrease the dependency on import water and provide 55 AF of new water supply. The Board and District staff have worked throughout the years to complete several milestones and continue to work towards the end goal of delivering recycled water. There was one major project delay with respect to the issuance of a 1211 permit to ensure water towards our Phase 1 project; however, we now have a secure guarantee of water to move forward with the construction of the project. Staff will work diligently with all project partners towards the construction and completion of the project and provide the Board updates on a periodic basis.

If there are any questions with respect to our Recycled Water Project, please feel free to ask either Greg or myself during the upcoming Board Meeting on September 23, 2019.

Sincerely,



Roy Frausto
Engineering & Compliance Manager

Memo



To: Honorable Board of Directors
From: Roy Frausto, Engineering & Compliance Manager
Meeting Date: September 23, 2019
Re: Engineering & Compliance Report – August 2019

CAPITAL PROJECTS

1. LPVCWD Recycled Water Project
 - Staff will be providing a memo on the status of the project during the September 23, 2019, Board Meeting.
2. LPVCWD PVOU IZ Project and SZ-South Project
 - Staff met with the Northrop team on August 21, 2019, to discuss the construction status and operational agreements for the IZ and SZ.
 - Staff continues to review and provide comments on design/material submission packages pertaining to the IZ and SZ plant.
 - Recent construction activity of the IZ plant includes installation of the Clearwell/Backwash Supply tank, prep work for the wastewater and equalization tanks, and foundation work for the LGAC and Ion Exchange vessels.
3. LPVCWD 5th St. Waterline Project
 - Staff filed the Notice of Completion on November 3, 2019.
4. LPVCWD Nitrate Treatment Project
 - Staff will be issuing a notice to proceed (NTP) to Geosyntec Consultants on September 23, 2019, with respect to the preparation of a technical memorandum (TM) to evaluate groundwater nitrate removal treatment systems.

DEVELOPMENTS

1. LPVCWD: 333 Hacienda Blvd. (Old Kmart) – Staff received a will serve letter request to support a proposed industrial warehouse building requiring (2) two 2-inch meters and one 8-inch fire service. Staff provided information regarding previous water services, existing waterlines and abandoned fire service locations.
2. LPVCWD: 16019 Central Avenue – Staff received a request for the installation of one ¾-inch and four 1-inch services new services. Staff has provided an estimate; no deposit has yet been received.
3. LPVCWD: Star Theatre Property (22 Condo Development) – The demolition of the existing building began the week of June 17, 2019. Currently, the building is completely demolished. From previous correspondence with the developer, the development plan is to construct 22 condos.

4. LPVCWD: 15921 Sierra Vista Court – No activity. It is anticipated that the request to construct 5 water services in support of the 5-unit development will be received in the next coming months.
5. LPVCWD: 15485 E Valley Blvd (Old Pizza Hut) – Staff installed a new 2-inch service and retrofitted an existing 1-inch service on August 13, 2019.
6. CIWS: 365 ½ S 4th Ave. – Staff received a request for the installation of a new one 1-inch service to accommodate new construction of an ADU. Staff provided a cost estimate for the install on June 11, 2019.
7. CIWS: 162 S 3rd Ave: - Request for information was received from an engineering firm for substructure maps in support of a field survey. Development of property is unknown at this time.
8. CIWS: 13629 Don Julian Rd. - Staff received a request for the installation of one (1) 1.5-inch service, one (1) 4-inch fire service, one (1) 2-inch service and one (1) irrigation service (size unknown at this point) to accommodate construction of two new buildings. Staff is currently corresponding with the developer to identify the location of the requested meters.

SPECIAL/OTHER PROJECTS

1. LPVCWD: La Puente Park – City and District staff met on Thursday, August 29, 2019, to discuss proposed waterline upgrades at La Puente Park. Staff provided two quotes to City staff on September 18, 2019. One quote was for the work requested onsite and another quote for potential offsite work.
2. LPVCWD: SAMS Water Quality Compliance Software – Staff partnered with SAMS Water Quality to host a District water quality database and to optimize monthly compliance reporting. Staff is working with SAMS to finalize the automated reporting and mapping functions.
3. LPVCWD: Nitrate Levels – Provided as **Enclosure 1** is a table of the current Nitrate levels at the District’s well field.
4. LPVCWD: Well 2 & 5 Electrical Service Analysis – Staff received a letter from EPA with respect to increase pumping at Well #2 to increase removal of contaminant mass from the aquifer.
5. LPVCWD: 16-inch Valve Replacement – The installation of a new 16-inch valve and 2-inch air-vac on Industry Hills near the Avalon room was installed by Doty Bros. on September 18, 2019.
6. BPOU: Air Stripper Inspections – Staff performed the annual air stripper inspections on July 24, 2019. The air stripper inspection report (**Enclosure 2**) documenting the findings of the inspection was distributed to all stakeholders on September 3, 2019.

Enclosures

- *Enclosure 1: August - September 2019 Nitrate Levels*
- *Enclosure 2: 2019 Air Stripper Inspection Report*

MEMORANDUM



To: BPOU Distribution
From: La Puente Valley County Water District
Date: 9/3/2019
Subject: **2019 Air Stripper Visual Inspection Report**

Summary

This memorandum documents the **July 24, 2019**, visual inspection of La Puente Valley County Water District's (LPVCWD) Air Stripper No. 1 and No. 2 as part of the approved Baldwin Park Operable Unit (BPOU) Air Stripper Monitoring and Maintenance Plan.¹ The purpose of such visual inspections is to monitor calcification in the packed bed and pictorially document observations to provide indication of when to initiate maintenance procedures to remedy a potential calcification issue in the packed bed.

During the previous air stripper(s) inspection on June 15, 2018, a "clean" overall Inspection Report was documented by LPVCWD. LPVCWD continues with a 12-month frequency schedule to visually inspect the packed beds per Section 3.7.2 of the BPOU Air Stripper Monitoring and Maintenance Plan.

Enclosure 1 and **Enclosure 2** provide a visual evaluation (via photographs) of each respective Air Stripper and **Enclosure 3** provides a side-by-side historical timeline of past inspections to identify/monitor changes or trends over time.

The inspection was performed by LPVCWD staff along with the assistance of RC Foster Corporation (Foster). Observations noted by LPVCWD's staff during the visual inspection are provided under the *Findings* section of this Inspection Report.

Background

Air Stripper No. 1 treats approximately 1,000 gallons per minute (gpm) and operates at an Air: Water ratio of roughly 40:1. In March 2014, Air Stripper No. 1's packing material was replaced with new 2" diameter Hiflow ring packing.

Air Stripper No. 2 treats approximately 1,500 gpm of water and historically operated at an Air: Water ratio of roughly 60:1. However, on January 16, 2018, the State Water Resources Control Board – Division of Drinking Water (DDW) granted an interim approval to operate Air Stripper #2 at a minimum air to water volumetric ratio of 45 to 1 pending issuance of a permit amendment.

¹ Stetson Engineers, Inc., 2008. Baldwin Park Operable Unit, Air Stripper Monitoring and Maintenance Plan for La Puente Valley County Water District, San Gabriel Valley Water Company, Valley County Water District, and California Domestic Water Company. January 2008. Updated August 2008.

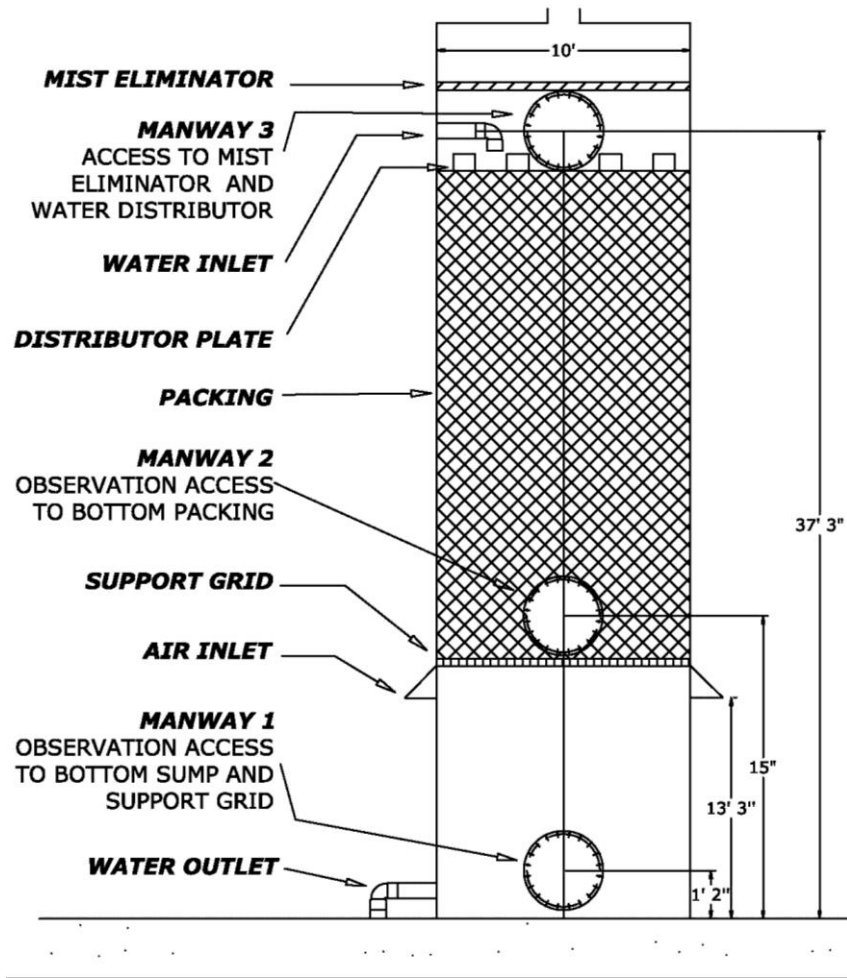
With respect to the packing material, in February 2014, Air Stripper No. 2's packing material was replaced with new 2" Jaeger Tri-packs packing.

Findings

Air Stripper No. 1 (See Figure 1)

- (a) *Bottom sump*: No calcified material was suspended or resting on the floor bottom; however, small amounts of sand was noted on the floor bottom and a dark ring of what appears to be iron and manganese oxidation was noticed on the circumference of the interior wall of the tower. In addition, various spots of the interior wall also appear to have some bacteriological growth.
- (b) *Bottom of packing*: Looking from Manway 2, the packing has a slight brown color tint with very small amounts of calcified material. Through physical inspection, the packing was freely moving and not sticking together.
- (c) *Bottom Support Grid*: Support grid appears clean and free of calcification and scaling.
- (d) *Top of Packing*: Looking down from inside the distribution plate, the packing looks clean, white in color with a slight tint of brown and no signs of calcification.
- (e) *Mist Eliminator*: The mist eliminator is clean throughout most of the area; however, small calcified areas were noted.
- (f) *Distribution Plate*: Distribution plate is clean and free of debris and/or particles.

Figure 1 – Air Stripper #1



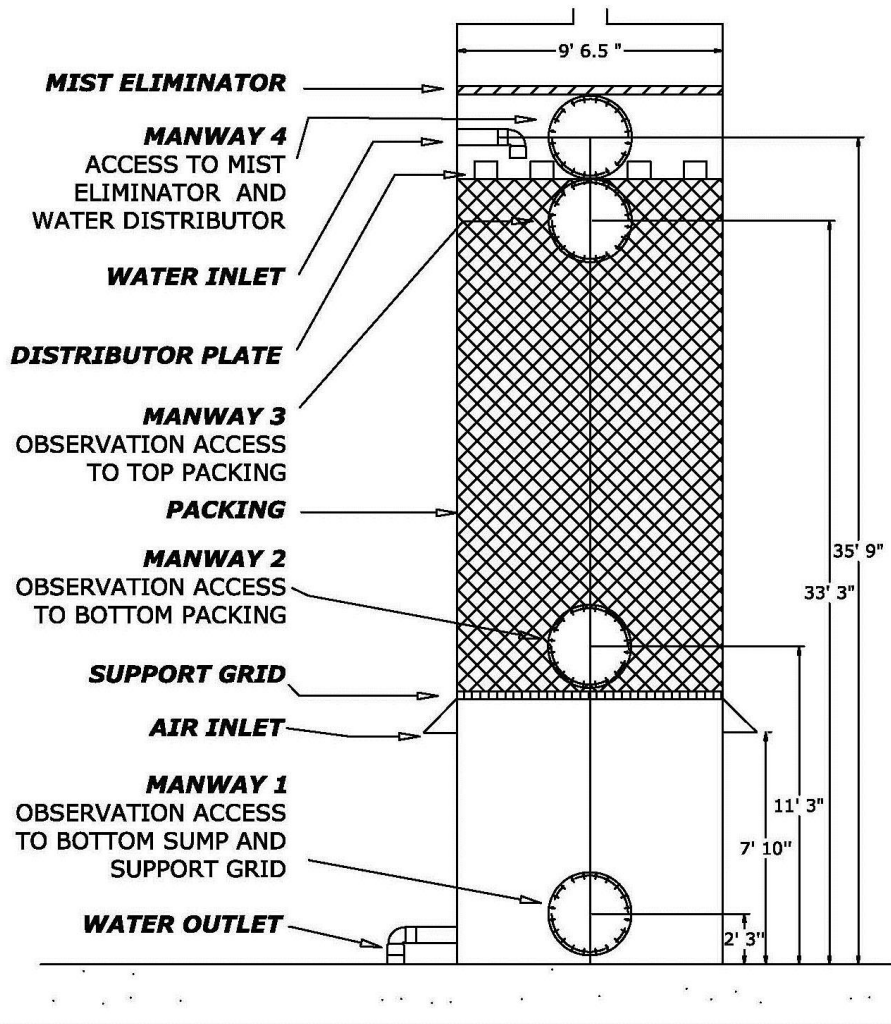
Air Stripper No. 2 (Figure 2)

- (a) *Bottom sump*: The bottom sump has noticeable brown color deposits and a brown ring stain of what appears to be iron and manganese oxidation around the circumference of the interior wall of the tower. No calcified materials were suspended or lying on the floor; however, a noticeable amount of sand was noted on the floor bottom.
- (b) *Bottom of packing*: Looking from Manway 2, the packing has tints of slightly brown to brown in color with small amounts of calcification. Through physical inspection, the packing was freely moving and not sticking together.
- (c) *Bottom Support Grid*: Support grid appears clean and free of calcification and scaling.
- (d) *Top of Packing*: Looking from Manway 3, the packing looks clean, white in color with small amount of calcification (calcified chips were observed).

(e) *Mist Eliminator*: The mist eliminator is clean throughout most of the area; however, small calcified areas were noted.

(f) *Distribution Plate*: Distribution plate is clean and free of debris/ particles.

Figure 2 – Air Stripper #2



Water Quality

Acknowledging the general mineral characteristics of water, Calcium deposits (calcification) may develop over time causing restrictions in water and air flow; thereby reducing the overall performance/efficiency of the Air Stripping system. Mass balance calculations of Calcium and Total Dissolved Solids (TDS) through influent and effluent water quality sample results are shown in **Table 1** below.

Table 1 – Mass Balance Calculation

Date	Calcium Levels (mg/l)				TDS Levels (mg/l)			
	Air Stripper No. 1		Air Stripper No. 2		Air Stripper No. 1		Air Stripper No. 2)	
7/24/19	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
	58.2	58.2	64.6	64.9	300	300	330	340
	Mass Balance							
	0.0		-0.3		0		-10	

The mass balance calculations for Calcium and TDS demonstrate some change, but not significant with respect to levels of concentration from the influent and effluent water.

Per the BPOU Air Stripper Monitoring and Maintenance Plan (revised Dec. 2009), water quality monitoring of the air strippers is conducted annually concurrently with the annual visual inspections. **Enclosure 4** provides the historical and current water quality data results for samples taken during the inspection in tabular form.

Conclusion

Based on the visual inspection performed on July 24 2019, the components of Air Stripper # 1 and # 2 (packing, mist eliminator, distributor plate, and support grid) appeared clean; however, the bottom sump for both towers appear to have iron and manganese oxidation on the circumference of the interior walls of the towers. In addition, packing near the bottom of both air strippers appeared slightly brownish in color (with some localized tints of brown), an indication of potential iron oxidation, and some small areas of calcification. Provided the aforementioned, LPVCWD recommends that the bottom sumps of the towers be properly cleaned to remove from what appears to be iron and manganese oxidation from the interior walls, the excess dirt/sand on the sump floor and the bacteriological growth.

To ensure Air Stripper efficiency, LPVCWD monitors Volatile Organic Compounds (VOC's) weekly as required by the CA State Water Resources Control Board (Permit #1910060PA-002). In addition, mass balance of Calcium and Total Dissolved Solids (TDS) is analyzed through water quality sample results to estimate calcification loading/fouling. As previously mentioned, no significant difference between sample results from TDS and Calcium at the inlet and outlet were observed.

The next visual inspection should be scheduled in the next 12 months to continue to monitor a potential calcification issue.

Distribution

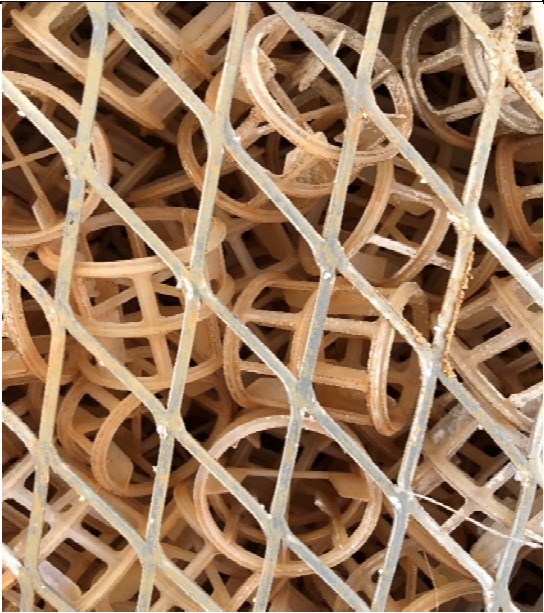

Greg Galindo, LPVCWD
Cesar Ortiz, LPVCWD
Roy Frausto, LPVCWD
Gina Herrera, LPVCWD
Kelly Gardner, Watermaster
Tony Zampello, Watermaster
Ken Manning, WQA
Randy Schoellerman, WQA
Catherine R. Riegle, CR
Frederick Tolhurst, CR
Greg Murphy, CR
John Catts, CR

John Cermak Jr., CR
Maria Makowiecki, CR
Martha Connell, CR
Michael Couitt, CR
Phil Perley, CR
Scott Goulart, CR
Sonja Inglin, CR
Teke Taylor, CR
Victoria Warren, CR
Jes Warren, CR
Steve Johnson, Stetson
Sammy Lo, Stetson
John Cardoza, Stetson
Wayne Praskins, EPA

ENCLOSURE 1

**AIR STRIPPER #1
VISUAL INSPECTION
JULY 24, 2019**







LPVCWD AIR STRIPPER NO. 1 VISUAL INSPECTION

No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>
1	Visual Inspection	7/24/2019			
	COMMENTS:			Small amounts of sand and a dark ring of what appears to be iron and manganese oxidation. In addition, spots of the interior wall appear to have some bacti growth	Clean w/slight brown color and small amount of calcification
1	Visual Inspection	7/24/2019	<i>Top of Packing</i>	<i>Mist Eliminator</i>	<i>Distributor Plate</i>
					
COMMENTS			Clean	Clean w/small calcified areas noted	Clean

ENCLOSURE 2

**AIR STRIPPER #2
VISUAL INSPECTION
JULY 24, 2019**

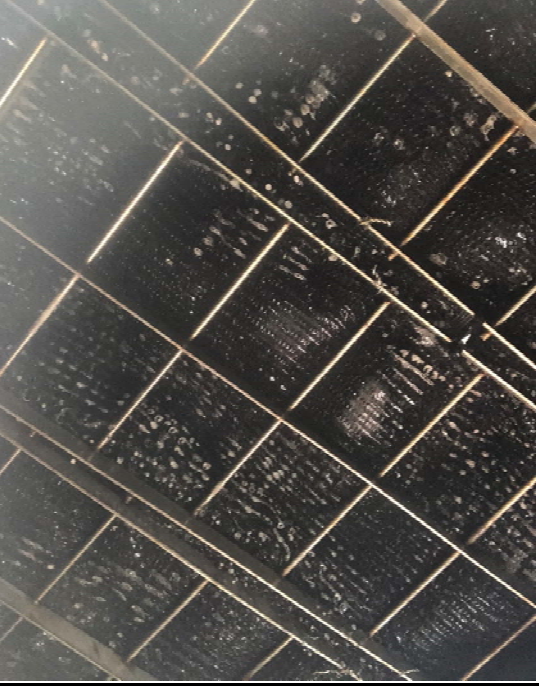
LPVCWD AIR STRIPPER NO. 2 VISUAL INSPECTION

No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>
	Visual Inspection	7/24/2019			
COMMENTS:			Noticeable amount of sand on floor bottom and a brown ring stain of what appears to be iron and manganese oxidation around the circumference of the interior wall of the tower	Clean w/slight brown color and small amount of calcification	Clean and free of calcification
1	Visual Inspection	7/24/2019	<i>Top of Packing</i>	<i>Mist Eliminator</i>	<i>Distributor Plate</i>
COMMENTS					
			Clean with chips of calcification	Clean w/ small localized calcification	Clean

ENCLOSURE 3

AIR STRIPPER #1 AND # 2
SIDE-BY-SIDE
HISTORICAL TIMELINE
OF PAST INSPECTIONS


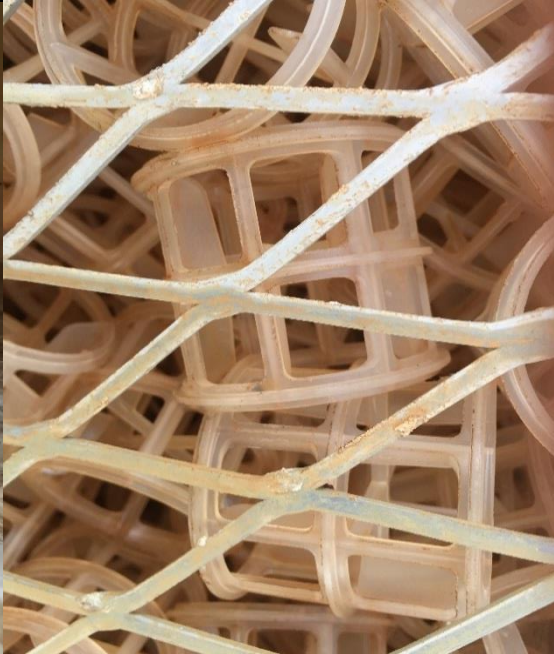




LPVCDW AIR STRIPPER NO. 1 VISUAL INSPECTION

No.	Description	Date	Bottom Sump	Bottom of Packing	Bottom Support Grid
1	Visual Inspection	06/15/18	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>
					
COMMENTS:			Clean w/small amounts of sand noted	Clean w/slight brown color	Clean and free of calcification
	Visual Inspection	06/15/18	<i>Top of Packing</i>	<i>Mist Eliminator</i>	<i>Distributor Plate</i>
					
COMMENTS			Clean	Clean w/small calcified areas noted	Clean

LPVCWD AIR STRIPPER NO. 1 VISUAL INSPECTION

No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>
1	Visual Inspection	6/6/2017			
	COMMENTS:		Clean w/small amounts of sand noted	Clean w/slight brown color	Clean and free of calcification
	Visual Inspection	6/6/2017	<i>Top of Packing</i>	<i>Mist Eliminator</i>	<i>Distributor Plate</i>
	COMMENTS		Clean	Clean w/small calcified areas noted	Clean










LPVCWD AIR STRIPPER NO. 1 VISUAL INSPECTION

No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>	
1	Visual Inspection	6/8/2016				
	COMMENTS:			Clean	Clean w/slight brown color	Clean and free of calcification
	Visual Inspection	6/8/2016	<i>Top of Packing</i>	<i>Mist Eliminator</i>	<i>Distributor Plate</i>	
						
COMMENTS			Clean	Clean, no locally calcified areas	Clean	

LPVCWD Air Stripper No. 1 - Visual Inspection History

No.	Description	Data	Bottom Sump	Bottom of Packing	Mist Eliminator	Distributor Plate
1	Inspection Date:	4/15/2015				
	Comments:		Very Clean.	Packing looks clean and slightly brownish in color.	Very Clean.	Very Clean.
March 2014 - New packing installed.						
2	Inspection Date:	1/17/2013				
	Comments:		Very Clean.	Packing looks dark brown in color with some scale.	Very Clean.	Very Clean.
3	Inspection Date:	1/31/2012				
	Comments:		Very Clean.	Packing looks dark brown in color with some scale.	Very Clean.	Very Clean.
4	Inspection Date:	2/1/2011				
	Comments:		Very Clean.	Packing looks dark brown in color with some scale.	Very Clean. New mist eliminator installed in January 2010.	Very Clean.







January 2010 - New mist eliminator installed.

5	Inspection Date:	1/28/2010	No Photo			
Comments:		Very Clean.	Packing looks dark brown in color with some scale.	The mist eliminator is significantly blinded with carbon particles. Some calcification on the mist eliminator is also observed. A new mist eliminator was being installed.	Distributor has some carbon particles on it. The air stripper was undergoing replacement of the mist eliminator and the carbon particles on the distributor plate could have been the result of the work on the air stripper.	
6	Inspection Date:	12/3/2008				
Comments:		Very Clean.	Packing looks dark brown in color with some scale. There is very little calcium carbonate deposit on the packing material.	Some calcification on mist eliminator.	No comments available.	
7	Inspection Date:	11/7/2007	No Photo			No Photo
Comments:		Clean.	Slight calcification.	No comments available.	Clean.	







LPVCWD AIR STRIPPER NO. 2 VISUAL INSPECTION

No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>
1	Visual Inspection	06/15/18			
	COMMENTS:			Noticeable amount of sand on floor bottom	Clean w/slight brown to brown in color
1	Visual Inspection	06/15/18	<i>Top of Packing</i>	<i>Mist Eliminator</i>	<i>Distributor Plate</i>
					
COMMENTS			Clean	Clean w/ small localized calcification	Clean





















LPVCWD AIR STRIPPER NO. 2 VISUAL INSPECTION

No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>	
1	Visual Inspection	6/6/2017				
	COMMENTS:			Noticeable amount of sand on floor bottom	Clean w/slight brown to brown in color	Clean and free of calcification
	Visual Inspection	6/6/2017	<i>Top of Packing</i>	<i>Mist Eliminator</i>	<i>Distributor Plate</i>	
						
COMMENTS			Clean	Clean w/ small localized calcification	Clean	



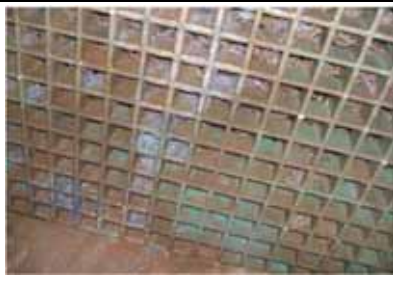





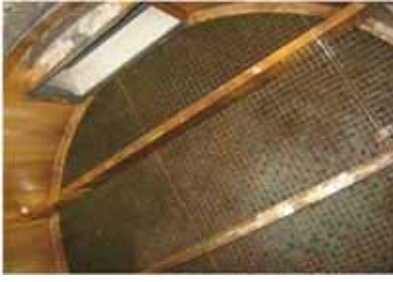


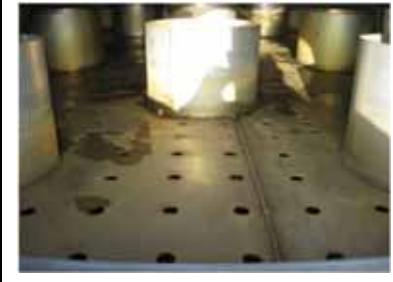






LPVCDW AIR STRIPPER NO. 2 VISUAL INSPECTION

No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>	
1	Visual Inspection	6/8/2016				
	COMMENTS:			Clean- Small amount of sand on floor bottom	Clean w/slight brown color & tint of brown	Clean and free of calcification
	Visual Inspection	6/8/2016				
COMMENTS			Clean	Clean, with small localized calcification	Clean	

LPVCWD Air Stripper No. 2 - Visual Inspection History

No.	Description	Data	Bottom Sump	Bottom of Packing	Bottom Support Grid	Top of Packing	Mist Eliminator	Distributor Plate
1	Inspection Date:	4/15/2015						
	Comments:		Clean with little deposits.	Packing looks clean and slightly brownish in color.	Support grid looks clean.	Packing material looks clean with no calcifications.	Very cleans.	Clean.
February 2014 - New packing installed.								
2	Inspection Date:	1/17/2013						
	Comments:		Clean with little deposits.	Medium calcification.	Some signs of calcification in the packing material.	Packing material looks brown in color with no calcium carbonate scale.	Very clean.	Clean.
3	Inspection Date:	1/31/2012			No Photo	No Photo	No Photo	No Photo
	Comments:		Clean with little deposits.	Medium calcification.	Some signs of calcification in the packing material.	Packing material looks brown in color with no calcium carbonate scale.	Very clean.	Clean.
4	Inspection Date:	2/1/2011						
	Comments:		Clean with little deposits.	Light to medium calcification.	Some signs of calcification in the packing material.	Packing material looks brown in color with no calcium carbonate scale.	Very clean. New mist eliminator installed in January 2010.	Clean.

LPVCWD Air Stripper No. 2 - Visual Inspection History

No.	Description	Data	Bottom Sump	Bottom of Packing	Bottom Support Grid	Top of Packing	Mist Eliminator	Distributor Plate
January 2010 - New mist eliminator installed.								
5	Inspection Date:	1/28/2010						
	Comments:		Clean with very little or no deposits.	Light to medium calcification.	Some signs of calcification in the packing material.	Packing material looks brown in color with no calcium carbonate scale.	The mist eliminator was loaded with carbon dust along with calcified material. A new mist eliminator was being installed.	Distributor has carbon particles on it. The air stripper was undergoing replacement of the mist eliminator and the carbon particles on the distributor plate could have been the result of the work on the air stripper.
6	Inspection Date:	12/3/2008						
	Comments:		Clean with very little or no deposits.	Packing looks dark brown in color with little deposits of calcium carbonate.	No comments available.	Packing material looks dark brown in color with no calcium carbonate scale.	Some calcification on mist eliminator.	No comments available.
7	Inspection Date:	11/7/2007						
	Comments:		Clean.	Light scaling on packing.	Light scaling.	Light brown in color with little or no calcification.	Clean.	Clean.

ENCLOSURE 4

WATER QUALITY DATA

Air Stripper Water Quality Data
La Puente Valley County Water District

Sampling Date	Alkalinity as CaCO3 (mg/l)				Chloride (mg/l)				Nitrate as N (mg/l)				Sulfate (mg/l)				Lab pH				Field pH				Field Temperature (°C)			
	Inflow		Outflow		Inflow		Outflow		Inflow		Outflow		Inflow		Outflow		Inflow		Outflow		Inflow		Outflow		Inflow		Outflow	
	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2
11/08/07 ⁽¹⁾	130	122	150	140	22	25	22	25	6.5	5.1	6.4	5.1	35	37	35	36	--	--	8.20	8.25	7.59	7.56	8.20	8.27	19.6	20.1	19.1	19.4
08/25/08	160	160	160	160	23	26	23	26	6.6	5.4	6.6	5.4	--	--	--	--	7.85	7.80	8.2	8.26	7.55	7.38	8.05	8.0	20.8	21.4	20.9	20.7
12/02/08	160	160	160	160	20	23	20	23	6.0	5.1	6.0	5.1	35	38	36	38	7.83	7.81	8.18	8.24	7.80	7.70	8.2	8.3	16.6	17.6	17.9	16.9
03/25/09	160	160	160	160	25	27	25	25	5.7	5.7	5.6	5.7	36	37	36	37	7.88	7.85	8.23	8.25	7.7	7.6	8.3	8.2	18.5	16.7	19.5	15.8
06/24/09	160	160	160	150	27	27	27	27	6.3	6.3	6.3	6.3	40	40	40	39	8.26	8.32	7.83	7.78	8.3	8.3	7.7	7.9	18.9	19.2	22.6	18.5
09/28/09	160	160	150	150	27	28	29	27	6.1	6.0	6.3	6.0	38	38	39	38	7.84	7.85	8.25	8.32	7.7	7.7	8.1	8.2	19.4	20.4	19.2	19.8
01/18/11	170	170	170	170	22	28	22	27	7.0	6.1	7.5	6.1	38	40	38	39	7.70	7.67	8.00	7.94	7.8	7.8	8.4	8.3	19.3	19.7	19.0	19.1
01/19/12	160	160	160	160	29	29	28	29	7.0	6.8	7.0	7.0	43	43	43	43	7.60	7.60	7.95	8.20	7.6	7.6	8.1	8.2	18.7	18.6	18.5	17.7
01/15/13	170	170	170	180	24	25	25	25	6.6	6.6	6.6	6.6	39	39	40	40	7.2	7.54	8.13	8.18	7.61	7.55	8.45	8.45	15.8	16.9	15.8	16.3
04/20/15	180	180	180	180	27	26	26	26	6.8	7.0	6.8	6.8	44	44	44	44	7.79	7.82	8.25	8.29	7.6	7.5	8.0	8.1	19.9	20.4	19.6	19.9
06/21/16 ⁽³⁾	170	170	170	170									41	41	41	41	7.73	7.71	8.17	8.22	7.3	7.6	8	8.1	21.4	20.5	21.3	20.4
6/5/2017	160	160	160	160	24	24	24	24	7.2	7.3	7	7.3	44	44	43	44	7.87	7.88	8.22	8.36	7.5	7.6	7.5	8	21.9	20.7	21.5	20.6
6/15/2018	170	160	170	170	23	23	23	23	8	8	8	8	46	46	46	46	7.78	7.83	8.17	8.21	7.54	7.56	8.15	8.22	20.4	20.6	20.6	20.1
7/24/2019	170	180	170	180	18	33	18	33	8.1	6.7	8.1	6.8	41	49	41	49	7.72	7.71	8.12	8.16	7.63	7.5	8.17	8.19	21	22.7	20.8	21.8

Air Stripper Water Quality Data
La Puente Valley County Water District

Sampling Date	Calcium (mg/l)						Magnesium (mg/l)				Iron (mg/l)				TDS (mg/l)						Langelier Index (Calculated), Inflow		Calcium Carbonate Precipitation Potential (Calculated), Inflow	
	Inflow		Outflow		Mass Balance (In-Out)		Inflow		Outflow		Inflow		Outflow		Inflow		Outflow		Mass Balance (In-Out)		No. 1	No. 2	No. 1	No. 2
	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2	No. 1	No. 2
11/08/07 ⁽¹⁾	56	56	56	55	0.0	1.0	12	13	12	12	<0.040	<0.040	<0.040	<0.040	410	402	410	400	0.0	2.0	0.05	-0.01	1.13	-0.34
08/25/08	59	58	57	60	2.0	-2.0	14	14	14	14	<0.040	<0.040	<0.040	<0.040	290	310	310	320	-20.0	-10.0	0.16	-0.01	5.54	-0.55
12/02/08	58	61	60	59	-2.0	2.0	15	15	15	15	<0.040	<0.040	<0.040	<0.040	300	300	300	310	0.0	-10.0	0.34	0.28	9.34	8.42
03/25/09	59	57	59	59	0	-2	14	14	14	14	<0.040	<0.040	<0.040	<0.040	310	310	310	310	0	0	0.27	0.13	8.19	4.26
06/24/09	61	60	59	61	2	-1	15	15	14	15	<0.040	<0.040	0.075	<0.040	300	300	300	310	0	-10	0.9 ⁽²⁾	0.89 ⁽²⁾	17.92 ⁽²⁾	17.78 ⁽²⁾
09/28/09	59	59	59	58	0	1	14	14	14	14	<0.040	<0.040	<0.040	0.050	300	300	300	300	0	0	0.29	0.30	8.66	9.09
01/18/11	56	58	56	58	0	0	13	14	13	14	<0.010	<0.010	<0.010	<0.010	360	370	350	370	10	0	0.38	0.40		
01/19/12	62	61	61	60	1	1	14	15	14	14	<0.010	<0.010	<0.010	<0.010	280	280	280	280	0	0	-0.19	-0.20		
01/15/13	59.6	60	59.8	60	-0.2	0	15	14.9	15.1	15	<0.1	<0.1	<0.1	<0.1	290	300	290	290	0	10				
04/20/15	62	62	62	62	-0.1	0.3	14	14	14	14	<0.100	<0.100	<0.100	<0.100	320	320	310	320	10	0				
06/21/16 ⁽³⁾	61.5	61.8	61.2	61.1	0.3	0.7									320	330	330	330	-10	0				
6/5/2017	64.2	62.8	62.1	62.7	2.1	0.1	14.8	14.4	14.3	14.4	<0.010	<0.010	<0.010	<0.010	320	330	320	330	0	0	0.483	0.463	12.3	12.3
6/15/2018	65.1	58.9	61.3	64.6	3.8	-5.7	15	13.6	14.2	14.7	<0.010	<0.010	<0.010	<0.010	300	320	320	320	-20	0	0.41	0.387	12.2	12.2
7/24/2019	58.2	64.6	58.2	64.9	0	-0.3	13.6	15.3	13.5	15.2	<0.010	<0.010	<0.010	<0.010	300	330	300	340	0	-10	0.31	0.386	11.1	15

(1) Inflow concentrations based on Well Data.
(2) The pH for the inflow and outflow samples appears anomalous and the samples may have been accidentally switched, resulting in the apparent anomaly in the calculated LSI and CCPP. Subsequent data collected appear to confirm the data anomaly.
(3) Samples collected by La Puente Valley County Water District.

CaCO3 = calcium carbonate mg/l = milligrams per liter

N = nitrogen

°C = degrees Celsius

TDS = total dissolved solids

 = Current Year

**SP 6 and SP 10
Nitrate Concentrations
EPA Method 300.0
MCL = 10 mg/l**

Nitrate Concentrations August/September 2019				
Date	SP 10	SP 6	Well	Comments
8/5/19	7.4	7.4	2&3	
8/12/19	7.2	7.2	2&3	
8/19/19	7.4	7.2	2&3	
8/26/2019	7.3	7.3	2&3	
9/3/2019	7.1	7.2	2&3	
9/9/2019	7.0	7.1	2&3	
9/16/2019	7.4	7.3	2&3	
AVERAGE	7.3	7.2		
MINIMUM	7.0	7.1		
MAXIMUM	7.4	7.4		

NOTES:
All units reported in milligrams per liter (mg/l)
MCL = Maximum Contaminant Level



112 N First St.
La Puente, CA 91744

Enclosure 1

Upcoming Events



To: Honorable Board of Directors

Date: 09/23/19

Re: Upcoming Meetings, Conferences and Community Events for 2019

Day/Date	Event	<u>Barajas</u>	<u>Escalera</u>	<u>Hastings</u>	<u>Hernandez</u>	<u>Rojas</u>
Wednesday – Thursday October 2 – 3, 2019	Watersmart Innovations at the South Point Hotel and Conference Center in Las Vegas, NV.	X	X	X	X	
Thursday, October 17, 2019	SCWUA – Lunch Meeting	X	X	X		X
Monday – Thursday October 21 – 24, 2019	AWWA CA/NV Annual Fall Conference at the Town and Country Hotel, San Diego, CA.		X			
Thursday, November 14, 2019	SCWUA – Doctor of Water Meeting					
Tuesday - Friday, December 3 - 6, 2019	ACWA 2019 Fall Conference Conference at the Manchester Grand Hyatt, San Diego, CA.					X
Friday, December 6, 2019	City of La Puente Holiday Parade. (non-compensable)					
Thursday, December 12, 2019	SCWUA – Christmas Luncheon					
Friday, December 13, 2019	LPVCWD Annual Christmas Luncheon (non-compensable) 12 pm					

Board Meetings typically held on the 2nd and the 4th Monday of each Month.