



## AGENDA

### REGULAR MEETING OF THE BOARD OF DIRECTORS LA PUENTE VALLEY COUNTY WATER DISTRICT 112 N. FIRST STREET, LA PUENTE, CALIFORNIA MONDAY, AUGUST 27, 2018 AT 5:30 PM

**1. CALL TO ORDER**

**2. PLEDGE OF ALLEGIANCE**

**3. ROLL CALL OF BOARD OF DIRECTORS**

President Rojas\_\_\_\_ Vice President Escalera\_\_\_\_ Director Aguirre\_\_\_\_

Director Hastings\_\_\_\_ Director Hernandez\_\_\_\_

**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 Regular Meeting of the Board of Directors held on August 13, 2018.

**7. FINANCIAL REPORTS**

A. Summary of Cash and Investments for July 31, 2018.

***Recommendation:*** Receive and File.

B. Statement of District's Revenues and Expenses as of July 31, 2018.

***Recommendation:*** Receive and File.

- C. Statement of City of Industry Waterworks System's Revenues and Expenses as of July 31, 2018

**Recommendation:** Receive and File.

**8. ACTION/DISCUSSION ITEMS**

- A. California Legislative Update.

**Recommendation:** Discussion Only.

**9. ENGINEERING & COMPLIANCE MANAGER'S REPORT**

**Recommendation:** Receive and File Report.

**10. GENERAL MANAGER'S REPORT**

**11. OTHER ITEMS**

- A. Upcoming Events.
- B. Correspondence to the Board of Directors.

**12. ATTORNEY'S COMMENTS**

**13. BOARD MEMBER COMMENTS**

- A. Report on Events Attended.
- B. Other Comments.

**14. FUTURE AGENDA ITEMS**

**15. ADJOURNMENT**

POSTED: Friday, August 25, 2018

President William R. Rojas, 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](http://www.lapuentewater.com).



**MINUTES OF THE REGULAR MEETING OF  
THE BOARD OF DIRECTORS OF THE  
LA PUENTE VALLEY COUNTY WATER DISTRICT**

A Regular Meeting of the Board of Directors of the La Puente Valley County Water District was held on Monday, August 13, 2018, at 5:30 p.m. at the District office, 112 N. First St., La Puente, California.

**Meeting Called to Order:**

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

**Pledge of Allegiance:**

President Rojas led the meeting in the Pledge of Allegiance.

**Directors Present:**

William Rojas, President; John Escalera, Vice President; Charles Aguirre, Director; John Escalera, Director and Henry Hernandez, Director.

**Staff Present:**

Greg Galindo, General Manager; Gina Herrera, Office Manager; Roy Frausto, Engineering and Compliance Manager and Roland Trinh, District Counsel.

**Others Present:**

No others present.

**Public Comment:**

No public comment.

**Adoption of Agenda:**

President Rojas asked for the approval of the Agenda.

Motion by President Rojas, seconded by Director Hernandez, that the Agenda be adopted as presented.

Motion was approved by the following vote:

Ayes: Rojas, Escalera, Aguirre, Hastings and Hernandez.

Nays: None.

**Consent Calendar:**

President Rojas asked for the approval of the Consent Calendar.

- A. Approval of the Minutes of the Regular Meeting of the Board of Directors held on July 23, 2018.
- B. Approval of District Expenses for the Month of July 2018.
- C. Approval of City of Industry Waterworks System Expenses for the Month of July 2018.
- D. Receive and File the District's Water Sales Report for July 2018.
- E. Receive and File the City of Industry Waterworks System's Water Sales Report for July 2018.
- F. Receive and File the July 2018 Water Production Report.
- G. Receive and File the City of Industry Waterworks System's April to June 2017-18 4<sup>th</sup> Quarter Report.

Motion by President Rojas, seconded by Director Hastings, to approve the Consent Calendar as presented.

Motion was approved by the following vote:

Ayes: Rojas, Escalera, Aguirre, Hastings and Hernandez.

Nays: None.

**Action/Discussion Items:**

**A.** Consideration of Notice of Proposed Adjustments in Water Rates and Charges.

- Mr. Galindo summarized the staff report that was provided in the Board meeting agenda packet. He provided a hard copy sample of the notice and reported that there were some minor non-substantive edits to the notice that staff will make before finalizing and mailing out to customers. Mr. Galindo also reported on the customer's right to protest the proposed water rate adjustments and requirements relating to the protest.

After further discussion on the notice and public hearing process, motion by Director Aguirre, seconded by Director Hastings, to approve the Notice of Proposed Adjustments to Water Rates and Charges and direct Staff to mail such notices to the Current Customers and Property Owners of record within the District's boundaries.

Motion was approved by the following vote:

Ayes: Rojas, Escalera, Aguirre, Hastings and Hernandez.

Nays: None.

**B.** Consideration of Investments of the District's Reserve Funds.

- Mr. Galindo summarized the staff report provided in the Board meeting agenda packet.

Motion by President Rojas, seconded by Director Hastings, to approve the Transfer of \$50,000 of the District's Reserve Funds to the District's Local Agency Investment Fund (LAIF) Account.

Motion was approved by the following vote:

Ayes: Rojas, Escalera, Aguirre, Hastings and Hernandez.

Nays: None.

**C.** Update on the Puente Valley Operable Unit Shallow Zone Project.

- Mr. Galindo reported that Northrop Grumman System Corporation did provide the District with a draft term sheet the Proposed Operation Services Agreement for the Shallow Zone South PVOU Project. He explained how the term sheet if agreed upon would allow the District to recover any cost for staff time in support of the project until a definitive agreement was entered into to operate the proposed Shallow Zone South treatment plant.
- There was some discussion between the directors and staff related to the location of the plant, the capacity of the plant and the end use of the water from the plant.
- This item was for discussion only and no action was taken.

**General Manager's Report:**

- Mr. Galindo reported that he will be out of the office the following week.
- Mr. Galindo also reported that staff has begun working with a leadership training consultant named Paul Edwards. He provided some information on the consultant's background and recent work. He added that the consultant will be working directly with Management and Supervisors.
- There was some discussion regarding the leadership training work that the consultant will be doing and on the need for the training.

**Information Items:**

- A. Upcoming Events.
  - Mrs. Herrera provided an update of the upcoming events in 2018. She verified with the Directors who will be attending the next few events.
- B. Correspondence to the Board of Directors.
  - Included in the Board Meeting Agenda Packet.

**Attorney Comments:**

- Mr. Trinh had no comments.

**Board Member Comments:**

- A. Report on events attended.
  - President Rojas reported that he attended 2 events; SCWUA Seminar on July 26, 2018 and the SGVWA Quarterly Meeting on August 8, 2018.
  - Vice President Escalera reported that he attended 2 events; SCWUA Seminar on July 26, 2018 and the SGVWA Quarterly Meeting on August 8, 2018.
- B. Other Comments.

The Board Members all wished Mr. Galindo a Happy Birthday. They thanked Staff for all of their efforts on the Water Forum. They also expressed to Roy that he did a great job on the AutoCAD drawing with respect to the Banbridge Pump Station Retrofit Design.

**Future Agenda Items:**

No Future Agenda Items.

**Adjournment:**

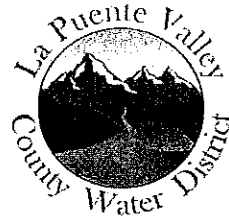
With no further business or comment, the meeting was adjourned at 6:14 p.m.

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William R. Rojas, President

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Greg B. Galindo, Secretary



**Summary of Cash and Investments**  
**July 2018**

**La Puente Valley County Water District**

<b>Investments</b>	<b>Interest Rate (Apportionment Rate)</b>	<b>Beginning Balance</b>	<b>Receipts/ Change in Value</b>	<b>Disbursements/ Change in Value</b>	<b>Ending Balance</b>
Local Agency Investment Fund	1.90%	\$ 2,515,710.23	\$ 11,938.26	\$ -	\$ 2,527,648.49
Raymond James Financial Services		\$ 557,100.32	\$ 832.97		\$ 557,933.29
<b>Checking Account</b>					
Well Fargo Checking Account (per General Ledger)		\$ 782,705.75	\$ 373,737.99	\$ 628,220.63	\$ 528,223.11
<b>District's Total Cash and Investments:</b>					<b>\$ <u>3,613,804.89</u></b>

**Industry Public Utilities**

<b>Checking Account</b>	<b>Beginning Balance</b>	<b>Receipts</b>	<b>Disbursements</b>	<b>Ending Balance</b>
Well Fargo Checking Account (per General Ledger)	\$ 835,531.82	\$ 157,054.74	\$ 129,894.57	\$ 862,691.99
<b>IPU's Total Cash and Investments:</b>				<b>\$ <u>862,691.99</u></b>

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.

, General Manager

Date: 8/22/2018

Greg B. Galindo

**La Puente Valley County Water District (Treatment Plant Included)**  
**Statement of Revenues and Expenses**  
**For the Period Ending July 31, 2018**  
**(Unaudited)**

<u>DESCRIPTION</u>	<b>COMBINED YTD 2018</b>	<b>COMBINED BUDGET 2018</b>	<b>58% OF BUDGET</b>	<b>COMBINED 2017 YE</b>
Total Operational Rate Revenues	\$ 1,080,320	\$ 2,031,000	53%	\$ 1,981,901
Total Operational Non-Rate revenue	1,287,889	2,733,100	47%	\$ 260,272
Total Non-Operating Revenues	153,246	291,100	53%	2,110,238
<b>TOTAL REVENUES</b>	<b>2,521,454</b>	<b>5,055,200</b>	<b>50%</b>	<b>4,092,139</b>
Total Salaries & Benefits	1,132,131	1,959,600	58%	1,287,342
Total Supply & Treatment	864,397	1,714,200	50%	1,486,941
Total Other Operating Expenses	173,672	460,100	38%	274,747
Total General & Administrative	221,213	500,500	44%	347,296
<b>TOTAL EXPENSES</b>	<b>2,391,413</b>	<b>4,634,400</b>	<b>52%</b>	<b>3,396,326</b>
<b>TOTAL OPERATIONAL INCOME</b>	<b>130,041</b>	<b>420,800</b>	<b>31%</b>	<b>695,813</b>
Total Capital Improvements	(97,519)	(1,115,000)	9%	(82,810)
Total Capital Outlay	-	(50,000)	0%	(39,731)
<b>TOTAL CAPITAL</b>	<b>(97,519)</b>	<b>(1,165,000)</b>	<b>8%</b>	<b>(122,542)</b>
<b>INCOME (AFTER CAPITAL EXPENSES)</b>	<b>32,522</b>	<b>(744,200)</b>	<b>-4%</b>	<b>573,272</b>
Grant Proceeds	-	300,000	0%	-
Loan Proceeds	-	500,000	0%	-
Loan Repayment	-	-	0%	-
<b>PROJECTED CHANGE IN CASH</b>	<b>32,522</b>	<b>55,800</b>	<b>58%</b>	<b>573,272</b>
Non-Cash Items (Dep. & OPEB)	(229,148)	605,000	-38%	(474,668)
<b>NET INCOME (LOSS)</b>	<b>\$ (196,626)</b>	<b>\$ 660,800</b>	<b>-30%</b>	<b>\$ 98,603</b>

**La Puente Valley County Water District**  
**Statement of Revenues and Expenses**  
**For the Period Ending July 31, 2018**  
(Unaudited)

Description	July 2018	YTD 2018	ANNUAL BUDGET 2018	58% OF BUDGET	YEAR END 2017
<b>Operational Rate Revenues</b>					
Water Sales	\$ 98,276	\$ 658,492	\$ 1,295,000	51%	\$ 1,251,382
Service Charges	46,022	345,941	608,500	57%	604,424
Surplus Sales	3,495	27,648	38,000	73%	35,769
Customer Charges	2,295	17,939	33,300	54%	33,425
Fire Service	1,330	29,380	55,500	53%	56,096
Miscellaneous Income	-	920	700	131%	805
<b>Total Operational Rate Revenues</b>	<b>151,418</b>	<b>1,080,320</b>	<b>2,031,000</b>	<b>53%</b>	<b>1,981,901</b>
<b>Non-Rate Operational Revenues</b>					
Management Fees	-	167,856	261,700	64%	194,810
Other O & M Fees	-	-	13,000	0%	65,461
PVOU Service Fees (Labor)	-	-	42,900	0%	-
BPOU Service Fees (Labor)	22,013	170,165	278,800	61%	-
IPU Service Fees (Labor)	58,822	403,506	715,800	56%	-
<b>Total Non Rate Operational Revenues</b>	<b>80,835</b>	<b>741,527</b>	<b>1,312,200</b>	<b>57%</b>	<b>260,272</b>
<b>Non Operating Revenues</b>					
Taxes & Assessments	1,817	110,590	215,000	51%	230,516
Rental Revenue	3,025	20,912	36,100	58%	34,988
Interest Revenue	-	-	17,000	0%	27,436
Miscellaneous Income	286	21,744	18,000	121%	76,053
Contributed Capital	-	-	-	N/A	210,130
Developer Fees	-	-	5,000	0%	81,095
<b>Total Non-Operational Revenues</b>	<b>5,128</b>	<b>153,246</b>	<b>291,100</b>	<b>53%</b>	<b>920,490</b>
<b>TOTAL REVENUES</b>	<b>237,381</b>	<b>1,975,092</b>	<b>3,634,300</b>	<b>54%</b>	<b>2,902,391</b>
<b>Salaries &amp; Benefits</b>					
Total District Wide Labor	102,396	663,923	1,142,700	58%	497,621
Directors Fees & Benefits	8,976	67,618	117,300	58%	117,385
Benefits	26,080	177,238	303,100	58%	124,987
OPEB Payments	2,087	77,111	150,000	51%	157,030
Payroll Taxes	8,011	54,172	90,600	60%	43,150
Retirement Program Expense	26,951	92,069	155,900	59%	64,566
<b>Total Salaries &amp; Benefits</b>	<b>174,502</b>	<b>1,132,131</b>	<b>1,959,600</b>	<b>58%</b>	<b>1,004,737</b>
<b>Analysis Purposes Only:</b>					
<i>Offsetting Revenue</i>	<b>(80,835)</b>	<b>(573,671)</b>	<b>(1,057,500)</b>	<b>54%</b>	<b>-</b>
<i>District Labor Net Total</i>	<b>93,667</b>	<b>558,460</b>	<b>902,100</b>	<b>62%</b>	<b>-</b>
<b>Supply &amp; Treatment</b>					
Purchased & Leased Water	147	141,682	379,500	37%	421,870
Power	9,193	48,464	157,000	31%	86,390
Treatment Plant Power	7,369	38,502	-	N/A	63,247
Treatment Plant Maintenance	-	-	-	N/A	2,583
Assessments	-	145,907	221,900	66%	132,114
Treatment	399	1,539	6,700	23%	4,079
Well & Pump Maintenance	182	14,957	32,000	47%	11,841
<b>Total Supply &amp; Treatment</b>	<b>17,289</b>	<b>391,051</b>	<b>797,100</b>	<b>49%</b>	<b>722,124</b>
<b>Other Operating Expenses</b>					
General Plant	1,504	12,667	42,300	30%	29,918
Transmission & Distribution	19,020	35,520	90,500	39%	50,636
Vehicles & Equipment	2,331	11,150	30,300	37%	14,669
Field Support & Other Expenses	797	30,206	68,500	44%	30,329
Regulatory Compliance	786	24,088	51,500	47%	28,754



**La Puente Valley County Water District**  
**Statement of Revenues and Expenses**  
**For the Period Ending July 31, 2018**  
(Unaudited)

Description	July 2018	YTD 2018	ANNUAL BUDGET 2018	58% OF BUDGET	YEAR END 2017
<b>Total Other Operating Expenses</b>	<b>24,439</b>	<b>113,630</b>	<b>283,100</b>	<b>40%</b>	<b>154,307</b>
<b>General &amp; Administrative</b>					
District Office Expenses	1,673	21,525	61,800	35%	37,453
Customer Accounts	1,616	10,944	20,400	54%	20,907
Insurance	-	29,458	69,900	42%	60,490
Professional Services	6,985	92,319	160,000	58%	132,598
Training & Certification	4,560	18,797	37,700	50%	29,068
Public Outreach & Conservation	18,159	25,604	32,500	79%	15,717
Other Administrative Expenses	1,698	9,592	70,200	14%	29,176
<b>Total General &amp; Administrative</b>	<b>34,692</b>	<b>208,239</b>	<b>452,500</b>	<b>46%</b>	<b>325,409</b>
<b>TOTAL EXPENSES</b>	<b>250,921</b>	<b>1,845,051</b>	<b>3,492,300</b>	<b>53%</b>	<b>2,206,578</b>
<b>TOTAL OPERATIONAL INCOME</b>	<b>(13,540)</b>	<b>130,041</b>	<b>142,000</b>	<b>92%</b>	<b>695,813</b>
<b>Capital Improvements</b>					
Fire Hydrant Repair/Replacements	-	(5,515)	-	N/A	(178)
Zone 3 Improvements	(30,660)	(67,099)	(100,000)	67%	(7,022)
Service Line Replacements	-	(15,749)	(20,000)	79%	(33,456)
Valve Replacements	-	(7,096)	(10,000)	71%	(13)
Main & 1st Street Building Retrofit	-	-	(35,000)	0%	-
Phase 1 - Recycled Water System	-	(1,879)	(900,000)	0%	-
SCADA Improvements	-	-	(15,000)	0%	-
Meter Read Collection System	-	(181)	(35,000)	1%	(42,141)
<b>Total Capital Improvements</b>	<b>(30,660)</b>	<b>(97,519)</b>	<b>(1,115,000)</b>	<b>9%</b>	<b>(82,810)</b>
<b>Capital Outlay</b>					
Communications Systems Upgrade	-	-	-	N/A	-
Backhoe	-	-	-	N/A	-
Truck(s)	-	-	(40,000)	0%	(39,731)
Other Equipment	-	-	(10,000)	0%	-
<b>Total Capital Outlay</b>	<b>-</b>	<b>-</b>	<b>(50,000)</b>	<b>0%</b>	<b>(39,731)</b>
<b>TOTAL CAPITAL</b>	<b>(30,660)</b>	<b>(97,519)</b>	<b>(1,165,000)</b>	<b>8%</b>	<b>(122,542)</b>
<b>INCOME (AFTER CAPITAL EXPENSES)</b>	<b>(44,200)</b>	<b>32,522</b>	<b>(1,023,000)</b>	<b>-3%</b>	<b>573,272</b>
<b>Loan &amp; Debt Repayment</b>					
Recycled Water System (Grant Revenues)	-	-	300,000	0%	-
Recycled Water System (Loan Proceeds)	-	-	500,000	0%	-
<b>CASH DIFFERENCE</b>	<b>(44,200)</b>	<b>32,522</b>	<b>(223,000)</b>	<b>-15%</b>	<b>573,272</b>
Add Back Capitalized Assets	30,660	97,519	1,165,000	8%	122,542
Less Depreciation Expense	(31,667)	(221,666.67)	(380,000)	58%	(360,602)
Less OPEB Expense - Not Funded	-	-	-	N/A	(71,263)
<b>NET INCOME (LOSS)</b>	<b>\$ (45,207)</b>	<b>\$ (91,626)</b>	<b>\$ 562,000</b>	<b>-16%</b>	<b>\$ 263,949</b>

**Treatment Plant**  
**Statement of Revenues and Expenses**  
**For the Period Ending July 31, 2018**  
**(Unaudited)**

Description	July 2018	YTD 2018	ANNUAL BUDGET 2018	58% OF BUDGET	YEAR END 2017
<b>Non-Rate Operational Revenues</b>					
Reimbursements from CR's	76,387	546,362	\$ 1,420,900	38%	\$ 1,189,748
Miscellaneous Income	-	-	-	N/A	-
<b>Total Non-Rate Operational Revenues</b>	<b>76,387</b>	<b>546,362</b>	<b>1,420,900</b>	<b>38%</b>	<b>1,189,748</b>
<b>Salaries &amp; Benefits</b>					
<i>BPOU TP Labor (1)</i>	22,013	170,165	278,800	61%	282,605
Contract Labor	-	-	-	N/A	-
<b>Total Salaries &amp; Benefits</b>	<b>22,013</b>	<b>170,165</b>	<b>278,800</b>	<b>61%</b>	<b>282,605</b>
<b>Supply &amp; Treatment</b>					
NDMA, 1,4-Dioxane Treatment	29,521	108,666	170,000	64%	195,826.73
VOC Treatment	-	1,756	17,800	10%	25,373.87
Perchlorate Treatment	11,027	231,989	415,000	56%	315,421.42
Other Chemicals	1,482	7,750	16,600	47%	17,829
Treatment Plant Power	22,446	107,157	202,700	53%	174,702.82
Treatment Plant Maintenance	3,346	14,237	75,000	19%	19,347.14
Well & Pump Maintenance	-	1,790	20,000	9%	16,314.93
<b>Total Supply &amp; Treatment</b>	<b>67,823</b>	<b>473,346</b>	<b>917,100</b>	<b>52%</b>	<b>764,816</b>
<b>Other Operating Expenses</b>					
General Plant	1,324	10,217	45,000	23%	12,311.60
Transmission & Distribution	-	148	-	N/A	1,320.76
Vehicles & Equipment	882	6,272	10,000	63%	10,412.75
Field Support & Other Expenses	-	55	15,000	0%	-
Regulatory Compliance	6,313	43,349	107,000	41%	96,395.21
<b>Total Other Operating Expenses</b>	<b>8,520</b>	<b>60,041</b>	<b>177,000</b>	<b>34%</b>	<b>120,440</b>
<b>General &amp; Administrative</b>					
District Office Expenses	-	-	10,000	0%	-
Insurance	-	4,410	18,000	25%	9,756.84
Professional Services	45	8,564	20,000	43%	12,130.26
<b>Total General &amp; Administrative</b>	<b>45</b>	<b>12,975</b>	<b>48,000</b>	<b>27%</b>	<b>21,887</b>
<b>TOTAL EXPENSES</b>	<b>98,400</b>	<b>716,527</b>	<b>1,420,900</b>	<b>50%</b>	<b>1,189,748</b>
<b>TOTAL OPERATIONAL INCOME</b>	<b>(22,013)</b>	<b>(170,165)</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Capital Outlay</b>					
Scada Computer	-	-	-	N/A	-
<b>Total Capital Outlay</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>N/A</b>	<b>-</b>
Depreciation Expense	(15,000)	(105,000)	(180,000)	58%	(165,346)
<b>Total Non-Cash Items (Dep. &amp; OPEB)</b>	<b>(15,000)</b>	<b>(105,000)</b>	<b>(180,000)</b>	<b>58%</b>	<b>(165,346)</b>
<b>NET INCOME (LOSS)</b>	<b>\$ (37,013)</b>	<b>\$ (275,165)</b>	<b>\$ (180,000)</b>	<b>153%</b>	<b>\$ (165,346)</b>

**INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS**  
**Statement of Revenue and Expenses Summary**  
**For the Period Ending July 31, 2018**  
**(Unaudited)**

DESCRIPTION	July 2018	FISCAL YTD 2018-2019	BUDGET FY 2018-2019	8% OF BUDGET	FY END 2017-2018
Total Operational Revenues	\$ 224,007	\$ 224,007	\$ 2,026,800	11.05%	\$ 1,920,277
Total Non-Operational Revenues	-	-	30,000	0.00%	40,307
<b>TOTAL REVENUES</b>	<b>224,007</b>	<b>224,007</b>	<b>2,056,800</b>	<b>10.89%</b>	<b>1,960,584</b>
Total Salaries & Benefits	58,822	58,822	668,600	8.80%	644,392
Total Supply & Treatment	15,077	15,077	848,565	1.78%	607,538
Total Other Operating Expenses	13,319	13,319	171,500	7.77%	149,475
Total General & Administrative	2,559	2,559	301,568	0.85%	245,510
Total Other & System Improvements	-	-	120,800	0.00%	45,748
<b>TOTAL EXPENSES</b>	<b>89,777</b>	<b>89,777</b>	<b>2,111,000</b>	<b>4.25%</b>	<b>1,692,664</b>
<b>OPERATING INCOME</b>	<b>134,230</b>	<b>134,230</b>	<b>(54,200)</b>	<b>-247.66%</b>	<b>267,920</b>
<b>NET INCOME (LOSS)</b>	<b>\$ 134,230</b>	<b>\$ 134,230</b>	<b>\$ (54,200)</b>	<b>-247.66%</b>	<b>\$ 267,920</b>

**INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS**

**Statement of Revenue and Expenses**

**For the Period Ending July 31, 2018**

**(Unaudited)**

DESCRIPTION	July 2018	FISCAL YTD 2018-2019	BUDGET FY 2018-2019	8% OF BUDGET	FY END 2017-2018
<b>Operational Revenues</b>					
Water Sales	\$ 153,224	\$ 153,224	\$ 1,317,750	11.63%	\$ 1,206,751
Service Charges	55,964	55,964	600,000	9.33%	598,493
Customer Charges	1,795	1,795	21,000	8.55%	20,000
Fire Service	13,024	13,024	88,000	14.80%	95,032
Miscellaneous Income	-	-	-	N/A	-
<b>Total Operational Revenues</b>	<b>224,007</b>	<b>224,007</b>	<b>2,026,800</b>	<b>11.05%</b>	<b>1,920,277</b>
<b>Non-Operational Revenues</b>					
Contamination Reimbursement	-	-	30,000	0.00%	40,267
Developer Fees	-	-	-	N/A	-
Miscellaneous Income	-	-	-	N/A	39
<b>Total Non-Operational Revenues</b>	<b>-</b>	<b>-</b>	<b>30,000</b>	<b>0.00%</b>	<b>40,307</b>
<b>TOTAL REVENUES</b>	<b>224,007</b>	<b>224,007</b>	<b>2,056,800</b>	<b>10.89%</b>	<b>1,960,584</b>
<b>Salaries &amp; Benefits</b>					
Administrative Salaries	17,548	17,548	186,800	9.39%	190,967
Field Salaries	20,380	20,380	238,000	8.56%	219,465
Employee Benefits	12,778	12,778	149,000	8.58%	143,834
Pension Plan	5,416	5,416	57,440	9.43%	54,946
Payroll Taxes	2,699	2,699	30,360	8.89%	29,215
Workman's Compensation	-	-	7,000	0.00%	5,964
<b>Total Salaries &amp; Benefits</b>	<b>58,822</b>	<b>58,822</b>	<b>668,600</b>	<b>8.80%</b>	<b>644,392</b>
<b>Supply &amp; Treatment</b>					
Purchased Water - Leased	-	-	377,614	0.00%	326,781
Purchased Water - Other	854	854	17,500	4.88%	17,128
Power	14,224	14,224	120,000	11.85%	119,441
Assessments	-	-	184,752	0.00%	135,945
Treatment	-	-	6,200	0.00%	4,834
Well & Pump Maintenance	-	-	142,500	0.00%	3,409
<b>Total Supply &amp; Treatment</b>	<b>15,077</b>	<b>15,077</b>	<b>848,565</b>	<b>1.78%</b>	<b>607,538</b>
<b>Other Operating Expenses</b>					
General Plant	351	351	10,500	3.35%	4,932
Transmission & Distribution	6,917	6,917	64,000	10.81%	54,395
Vehicles & Equipment	-	-	32,000	0.00%	31,553
Field Support & Other Expenses	5,498	5,498	35,000	15.71%	31,104
Regulatory Compliance	553	553	30,000	1.84%	27,491
<b>Total Other Operating Expenses</b>	<b>13,319</b>	<b>13,319</b>	<b>171,500</b>	<b>7.77%</b>	<b>149,475</b>

**INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS**

**Statement of Revenue and Expenses**

**For the Period Ending July 31, 2018**

**(Unaudited)**

DESCRIPTION	July 2018	FISCAL YTD 2018-2019	BUDGET FY 2018-2019	8% OF BUDGET	FY END 2017-2018
<b>General &amp; Administrative</b>					
Management Fee	-	-	187,568	0.00%	183,891
Office Expenses	689	689	21,000	3.28%	17,478
Insurance	-	-	15,000	0.00%	5,667
Professional Services	-	-	45,000	0.00%	15,576
Customer Accounts	1,339	1,339	16,000	8.37%	16,247
Public Outreach & Conservation	14	14	15,000	0.09%	3,923
Other Administrative Expenses	518	518	2,000	25.89%	2,727
<b>Total General &amp; Administrative</b>	<b>2,559</b>	<b>2,559</b>	<b>301,568</b>	<b>0.85%</b>	<b>245,510</b>
<b>Other Expenses &amp; System Improvements (Water Operations Fund)</b>					
Transfer to Capital or Expense	-	-	-	N/A	-
Developer Capital Contributions	-	-	-	N/A	-
Developer Project	-	-	-	N/A	-
Developer Project	-	-	-	N/A	-
Developer Project	-	-	-	N/A	-
Developer Project -	-	-	-	N/A	-
Developer Project -	-	-	-	N/A	-
Developer Project -	-	-	-	N/A	-
<b>Net Developer Project Activity</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Master Plan Update / Hydraulic Model	-	-	-	N/A	-
Other System Improvements (Materials)	-	-	-	N/A	-
FH Laterals	-	-	6,300	0.00%	790
Service Line Replacements	-	-	30,000	0.00%	31,693
Valve Replacements	-	-	19,500	0.00%	5,874
Plant Electrical System Improvements	-	-	-	N/A	-
Meter Installations - Industry Hills	-	-	-	0.00%	7,391
Meter Read Collection System	-	-	25,000	0.00%	-
SCADA System Assessment & Upgrades	-	-	40,000	0.00%	-
<b>Total Other &amp; System Improvements</b>	<b>-</b>	<b>-</b>	<b>120,800</b>	<b>0.00%</b>	<b>45,748</b>
<b>TOTAL EXPENSES</b>	<b>89,777</b>	<b>89,777</b>	<b>2,111,000</b>	<b>4.25%</b>	<b>1,692,664</b>
<b>OPERATING INCOME</b>	<b>134,230</b>	<b>134,230</b>	<b>(54,200)</b>	<b>N/A</b>	<b>267,920</b>

# Memo

To: Honorable Board of Directors  
From: Roy Frausto, Engineering & Compliance Manager  
Date: August 27, 2018  
Re: Engineering & Compliance Report – July 2018



## CAPITAL PROJECTS

1. LPVCWD Recycled Water Project –
  - Staff received correspondence letters from the Sanitation District with respect to a CEQA draft IS/MND to reduce river discharges in support of increased recycled water reuse along with a separate letter pertaining to the availability of recycled water.
  - A letter in response to the Sanitation District's IS/MND was drafted and submitted by Fish & Wildlife. The letter contained over 30 comments with respect to environmental impacts to the surrounding environment. Staff will provide additional information through a verbal report.
2. LPVCWD PVOU IZ Project and SZ-South Project –
  - Staff reviewed and provided comments on the PVOU IZ OM&M Plan. The draft version of the document was submitted to EPA, DTSC and the DDW on July 16, 2018.
  - Northrop Notified EPA of the selected General Contractor (RC Foster) on 30 July 2018, and worked on procurement of equipment for the IZ Interim Remedy.
  - Staff reviewed and provided comments on the draft PVOU SZ CEQA document.
3. LPVCWD Banbridge Pump Station Retrofit Project –
  - Doty Bros. began construction of the pump station on August 20, 2018. It is anticipated that construction will be completed by the end of September or mid-October 2018.
4. CIWS Starhill Lane & 3<sup>rd</sup> Ave. Waterline Improvement Project – Staff provided and RFP document to city staff to procure plans and specifications for the design of the project. The project is anticipated to be designed by Summer of 2018 and constructed by late 2018. Staff will provide additional information through a verbal report.

## DEVELOPMENTS

1. LPVCWD 747 Del Valle Development – Three domestic meters and one irrigation meter have been installed. In addition, a request to allow 15 Jumpers to be installed was received to support the ongoing construction of the 45 housing units.
2. 17351 Main St. – Remodel work of the existing apartment complexes has been ongoing; however, it is understood that a new community center is being constructed. Request for water service may be requested to provide fire and domestic water service to the new building. Staff will provide additional information through a verbal report.

3. Star Theatre Property (22 Condo Development) – Recently, a notice of preparation of a draft focused environmental impact report (EIR) was received requesting responses to the scope and content with respect to sections that apply to our District. Currently, the focused EIR is anticipated to be submitted for review during September 2018.
4. 15921 Sierra Vista Court – Currently, City staff advised that a proposed grading plan was approved along with the retaining wall. 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. 658 Del Valle – Preliminary information suggest that the existing 17,000 sf. Lot may be subdivided to accommodate the construction of two new Single-Family Units.

#### SPECIAL/OTHER PROJECTS

1. Air Stripper Inspections – Staff conducted the annual Air Stripper Inspections on June 15, 2018. The final report was submitted to the BPOU distribution list and is enclosed herein as **Enclosure 1**.
2. SPIX Resin Pilot Testing – Staff concluded the pilot operation of the Dow PSR 2 Plus resin and received approval from DDW to use the resin on June 7, 2018. The PSR 2 Plus resin (one load) was loaded on August, 8, 2018, at our Treatment Plant. Staff will monitor the performance of the resin and provide throughput results at the end of the resins performance life.
3. School (K-12) Lead Sampling – Staff completed the sampling requirements under AB 746 for the HLPUSD public schools. Staff will reach out to all CIWS public schools to schedule lead sampling to ensure compliance with AB 746 by July 1, 2019.
4. ISEP Removal – Staff will reach out to the WQA to discuss the requirements that need to be met prior to the removal and disposal of the ISEP system. In addition, staff will reach out to contractors to procure quotes for the removal of the system.
5. BPOU OM & M Plan Update – Provided the proposed changes to treatment plant operations, the current OM & M plan will need to be updated to reflect all proposed changes in operation.
6. CIWS Permit Amendment – Staff provided the engineering and technical report to expedite the issuance of a permit amendment to DDW staff on April 30, 2018. Staff received a notice from DDW on July 23, 2018, advising that all supporting permit documents and technical reports were submitted to the Supervising Engineer for approval. Staff anticipates to receive the final executed permit amendment during Fall of 2018.
7. LPVCWD Permit Amendment -. Staff began drafting the engineering and technical report sections of the permit amendment to expedite the issuance of the permit. Staff anticipates to provide the engineering report to the DDW by the end of October 2018.

#### *Enclosures*

- *Enclosure 1: 2018 Air Stripper Inspection Report*

# MEMORANDUM



To: BPOU Committee Distribution  
From: La Puente Valley County Water District  
Date: 8/3/2018  
Subject: **2018 Air Stripper Visual Inspection Report**

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## *Summary*

This memorandum documents the **June 15, 2018**, 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.<sup>1</sup> 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 calcification issue in the packed bed.

During the previous air stripper(s) inspection on June 06, 2017, 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, during Summer of 2017, testing was performed on Air Stripper #2 at air to water ratios of 55 to 1 , 50 to 1, 45 to 1, and 40 to 1. Based on laboratory analytical results from samples that were collected from each well and from various locations during this testing, Air Stripper #2 demonstrated that it can

<sup>1</sup> 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.



effectively remove VOCs from the raw groundwater to levels below the detection limits for the purposes of reporting (DLRs) at the air to water ratios tested. 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.

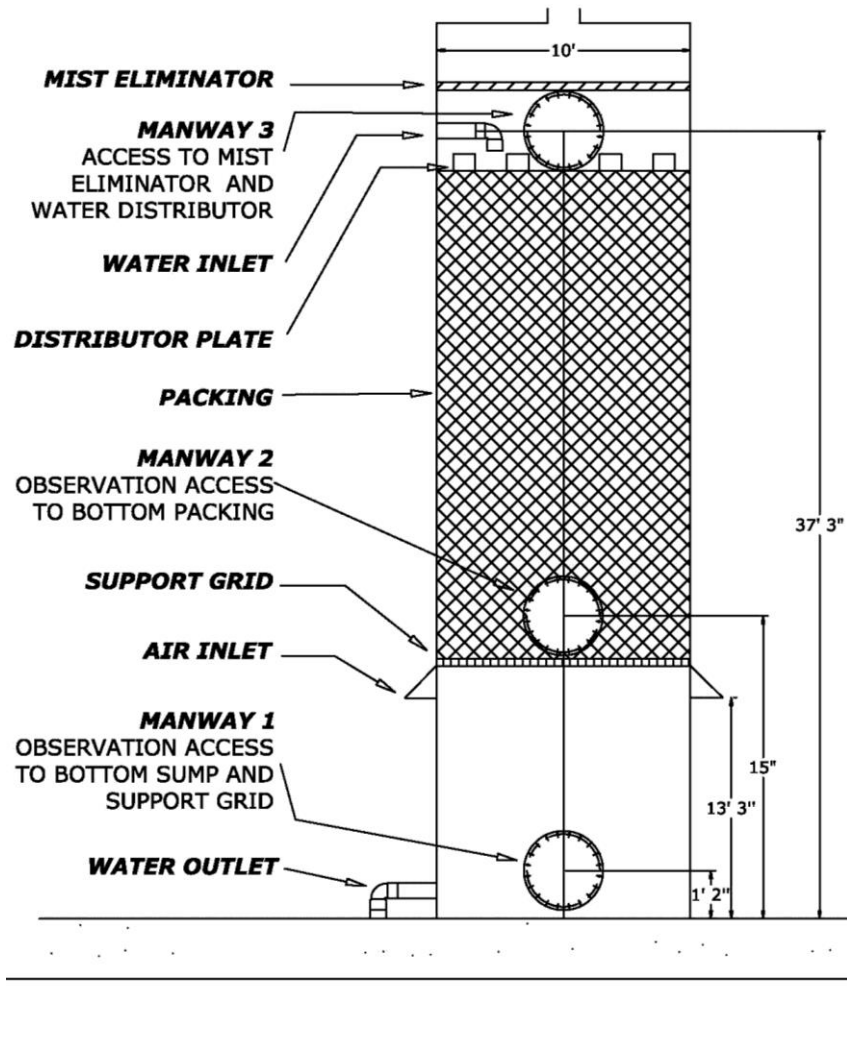
With respect to the packing material, in February 2014, Air Stripper No. 2's packing material was replaced with new 2" Jaeger Tri-packs packing.

### ***Findings***

#### **Air Stripper No. 1 (See Figure 1)**

- (a) *Bottom sump*: The bottom sump is clean. No calcified material was suspended or resting on the floor bottom; however, small amounts of sand was noted on the floor bottom.
- (b) *Bottom of packing*: Looking from Manway 2, the packing has a slight brown color tint. 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 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



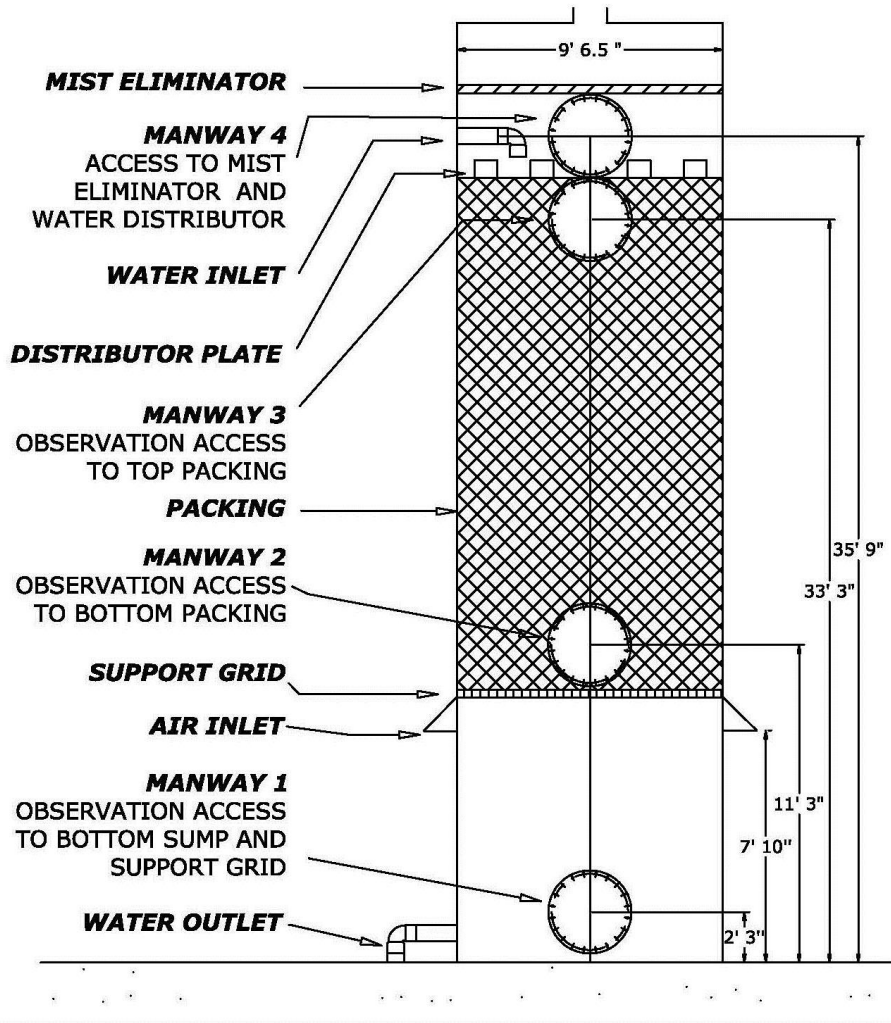
**Air Stripper No. 2 (Figure 2)**

- (a) *Bottom sump:* The bottom sump has noticeable brown color deposits and a brown ring stain around 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. 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 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/ 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)	
6/15/18	Influent	Effluent	Influent	Effluent	Influent	Effluent	Influent	Effluent
	65.1	61.3	58.9	64.6	300	320	320	320
	<b>Mass Balance</b>							
	<b>3.8</b>		<b>-5.7</b>		<b>-20</b>		<b>0</b>	

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 June 15, 2018, the components of Air Stripper # 1 and # 2 (packing, mist eliminator, distributor plate, and support grid) appeared clean. 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.

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  
JUNE 15, 2018**

# 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>
					
<b>COMMENTS:</b>			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>
					
<b>COMMENTS</b>			Clean	Clean w/small calcified areas noted	Clean

**ENCLOSURE 2**

**AIR STRIPPER #2  
VISUAL INSPECTION  
JUNE 15, 2018**



# LPVCWD AIR STRIPPER NO. 2 VISUAL INSPECTION

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


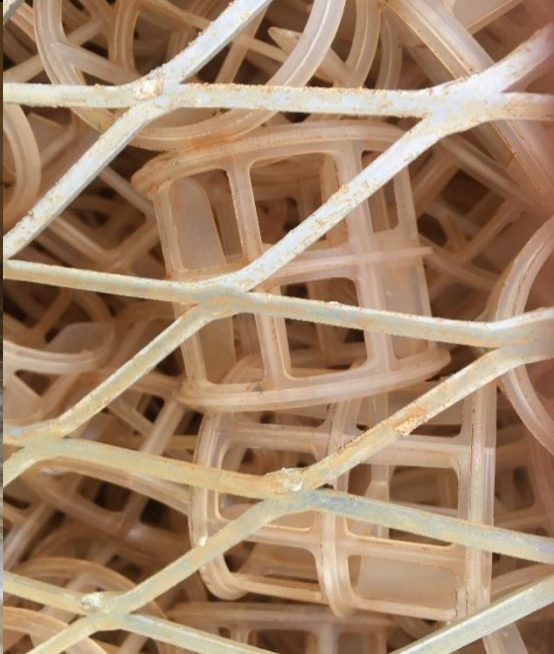




**ENCLOSURE 3**

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

# 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				
	<b>COMMENTS:</b>			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>	
	<b>COMMENTS</b>			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				
	<b>COMMENTS:</b>			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>	
						
<b>COMMENTS</b>			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.
<b>March 2014 - New packing installed.</b>						
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	6/6/2017			
	<b>COMMENTS:</b>		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>
					
<b>COMMENTS</b>		Clean	Clean w/ small localized calcification	Clean	

## LPVCWD AIR STRIPPER NO. 2 VISUAL INSPECTION












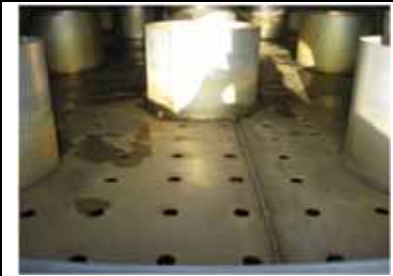






No.	Description	Date	<i>Bottom Sump</i>	<i>Bottom of Packing</i>	<i>Bottom Support Grid</i>	
1	Visual Inspection	6/8/2016				
	<b>COMMENTS:</b>			Clean- Small amount of sand on floor bottom	Clean w/slight brown color & tint of brown	Clean and free of calcification
	Visual Inspection	6/8/2016				
<b>COMMENTS</b>			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.
<b>February 2014 - New packing installed.</b>								
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
<b>January 2010 - New mist eliminator installed.</b>								
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 <sup>(1)</sup>	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 <sup>(3)</sup>	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	

**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 <sup>(1)</sup>	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 <sup>(2)</sup>	0.89 <sup>(2)</sup>	17.92 <sup>(2)</sup>	17.78 <sup>(2)</sup>	
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 <sup>(3)</sup>	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 <sup>(3)</sup>	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	

(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