AGENDA

REGULAR MEETING OF THE BOARD OF DIRECTORS
LA PUENTE VALLEY COUNTY WATER DISTRICT
112 N. FIRST STREET, LA PUENTE, CALIFORNIA
MONDAY, OCTOBER 23, 2017 AT 5:30 PM

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL OF BOARD OF DIRECTORS

President Hastings____ Vice President Rojas____ Director Aguirre____

Director Escalera____ 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 October 9, 2017.

B. Approval of Attendance to Water Replenishment District of Southern California's Groundwater Reliability Improvement Project event on Thursday, October 26, 2017, at 11:00 a.m. in Pico Rivera, CA.

7. FINANCIAL REPORTS

A. Summary of Cash and Investments for September 30, 2017.

Recommendation: Receive and File.

B. Statement of the District's Revenues and Expenses as of September 30, 2017.

Recommendation: Receive and File.

C. Statement of the City of Industry Waterworks System's Revenues and Expenses as of September 30, 2017.

Recommendation: Receive and File.

8. WORKSHOP ON THE DISTRICT'S EMERGENCY RESPONSE PLAN

9. ACTION/DISCUSSION ITEMS

Consideration of Three-Year Lease Agreement for 1,000 Acre Feet Per Year of Main San Gabriel Basin Production Rights from Canyon Water Company.

Recommendation: Authorize the General Manager to Execute a Lease Agreement with Canyon Water Company.

10. PROJECT ENGINEER REPORT

Recommendation: Receive and File report.

11. GENERAL MANAGER'S REPORT

12. OTHER ITEMS

A. Upcoming Events.

B. Correspondence to the Board of Directors.

13. ATTORNEY'S COMMENTS

14. BOARD MEMBER COMMENTS

A. Report on Events Attended.

B. Other Comments.

15. FUTURE AGENDA ITEMS

16. CLOSED SESSION

Conference with Legal Counsel – Anticipated Litigation. Significant Exposure to Litigation Pursuant to Government Code § 54956.9(d)(2): (one case)

17. REPORT ON CLOSED SESSION

18. ADJOURNMENT

POSTED: Friday, October 20, 2017.

President David Hastings, 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 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, October 9, 2017, at 5:30 at the District office, 112 N. First St., La Puente, California.

Meeting called to order:
President Hastings called the meeting to order at 5:31 pm.

Pledge of Allegiance
President Hastings led the meeting in the Pledge of Allegiance.

Directors present:
David Hastings, President; William Rojas, Vice President; Charles Aguirre, Director; John Escalera, Director and Henry Hernandez, Director

Staff present:
Greg Galindo, General Manager; Gina Herrera, Customer Service & Accounting Supervisor; Roy Frausto, Compliance Officer/Project Engineer and Roland Trinh, District Counsel.

Others Present:
Cindy Byerrum from Platinum Consultants.

Public Comment:
No public comment.

Adoption of Agenda:
President Hastings asked for the approval of the agenda.
Motion by Director Aguirre, seconded by Director Escalera, that the agenda be adopted as presented.

Motion approved by the following vote:
Ayes: Hastings, Rojas, Aguirre, Escalera and Hernandez.
Nays: None.

Consent Calendar:
President Hastings asked for the approval of the Consent Calendar.

- **A.** Approval of Minutes of the Regular Meeting of the Board of Directors held on September 25, 2017.
- **B.** Approval of District Expenses for the Month of September 2017.

C. Approval of City of Industry Waterworks System Expenses for the Month of September 2017.
D. Receive and File the District's Water Sales Report for September 2017.
E. Receive and File the City of Industry Waterworks System's Water Sales Report for September 2017.
F. Receive and File the Water Production Report for September 2017.
G. Receive and File the Summary of Director's Expenses for the Third Quarter of 2017.

Motion by President Hastings, seconded by Vice President Rojas, to approve the consent calendar as presented.

Motion approved by the following vote:
Ayes: Hastings, Rojas, Aguirre, Escalera and Hernandez.
Nays: None.

Action/Discussion Items:

A. Consideration of Resolution 247 Appointing the General Manager as Board Secretary.

- Mr. Galindo stated that with this action he would be responsible for the legal requirements of the Board Secretary position. He added that he will continue to work with Mrs. Ruehlman to carry out all the requirements of the position.

Motion by Vice President Rojas, seconded by Director Escalera, to adopt Resolution 247 as presented.

Motion approved by the following vote:
Ayes: Hastings, Rojas, Aguirre, Escalera and Hernandez.
Nays: None.

B. Consideration of Proposal from Raftelis Financial Consultants, Inc. to Perform a Comprehensive Water Rate and Fee Study.

- Mr. Galindo summarized his staff report on the RFP and proposal evaluation process. He stated that staff along with its financial consultant, Mrs. Byerrum, evaluated the proposals and recommended the firm of Raftelis Financial Consulting, Inc. to complete a Comprehensive Water Rate and Fee Study for the District.
- Mrs. Byerrum provided comments on her positive experiences with the firms that submitted proposals and the qualifications of Raftelis.

After further discussion, motion by Director Escalera, seconded by Vice President Rojas to authorize the General Manager to enter into an agreement with Raftelis Financial Consulting, Inc. to complete a Comprehensive Water Rate and Fee Study as provided in their proposal dated September 26, 2017, for an amount of $51,950; and appropriate an additional $6,000 as contingency for additional work.

Motion approved by the following vote:
Ayes: Hastings, Rojas, Aguirre, Escalera and Hernandez.
Nays: None.

C. Consideration of Approval of Plans and Specifications for Phase 1 of the District's Recycled Water System.

- Mr. Frausto summarized his staff report. He provided an overview of the scope of the Recycled Water System Phase 1 construction project.
- Mr. Galindo provided some additional information on the fiscal impact and schedule of the project; and the availability of recycled water from the Sanitation District.

After further discussion, motion by Vice President Rojas, seconded by Director Escalera to approve the Plans and Specifications for the Recycled Water Project Phase 1.

Motion approved by the following vote:
Ayes: Hastings, Rojas, Aguirre, Escalera and Hernandez.
Nays: None.

D. Consideration of the Fourth Tolling Agreement with the BKK Working Group Regarding Potential Environmental Claims related to the BKK Corporation Landfill Facility.

- Mr. Trinh provided a summary of the District's involvement with the BKK Landfill. He shared the purpose of the Fourth Tolling Agreement and the potential impact to the District.

After further discussion, motion by Vice President Rojas, seconded by President Hastings to approve the Fourth Tolling Agreement with the BKK Working Group.

Motion approved by the following vote:
Ayes: Hastings, Rojas, Aguirre, Escalera and Hernandez.
Nays: None

General Manager's Report:

- Mr. Galindo requested that the PVOU IZ Ad Hoc Committee meet on Tuesday October 10th to review the latest versions of the PVOU IZ definitive agreements. The Ad Hoc Committee members, President Hastings and Director Escalera agreed to meet as requested.
- Mr. Galindo informed the Board that Mrs. Herrera will be handling all travel and outside meeting arrangements for the Board and that the members of the Board may contact her to coordinate.

Information Items:

A. Upcoming Events.

- Mr. Galindo presented an update on the upcoming events and who will be attending.
- Directors informed staff which events they would like to attend.

B. Correspondence to the Board of Directors

- No correspondence.

Attorney comments:
Mr. Trinh had no comments.

Board member comments:

A. Report on events attended.

- President Hastings reported that since the last Board meeting he attended the California Special District's Association Annual Conference in Monterey and the Water Smart Innovations Conference in Las Vegas.
- Vice President Rojas reported that since his last attended Board meeting he attended the Southern California Water Utility Associations Vendors Fair in Irwindale, the California Special District's Association Annual Conference in Monterey and the Water Smart Innovations Conference in Las Vegas.
- President Escalera reported that since the last Board meeting he attended the Water Smart Innovations Conference in Las Vegas.
- Director Hernandez reported that since his last attended Board meeting he attended the California Special District's Association Annual Conference in Monterey and the Water Smart Innovations Conference in Las Vegas.

B. Other comments.

- Vice President Rojas asked to close this meeting in memory of Lois Maben's brother, Mr. Donald Edward Maben.

Future agenda items:
No future items.

Adjournment:
There is no further business or comment, the meeting was adjourned at 6:18 p.m. in memory of Mr. Donald Edward Maben.

David Hastings, President

Greg B. Galindo, Secretary

WRD

WATER REPLENISHMENT DISTRICT
OF SOUTHERN CALIFORNIA

PLEASE JOIN US AS WE COUNT DOWN

One Year to Water Independence

By next year, the Groundwater Reliability Improvement Project Advanced Water Treatment Facility (GRIP) will be producing a new source of purified recycled water for groundwater recharge. When this project is completed, WRD will be the state's largest water district to become completely independent from costly imported water.

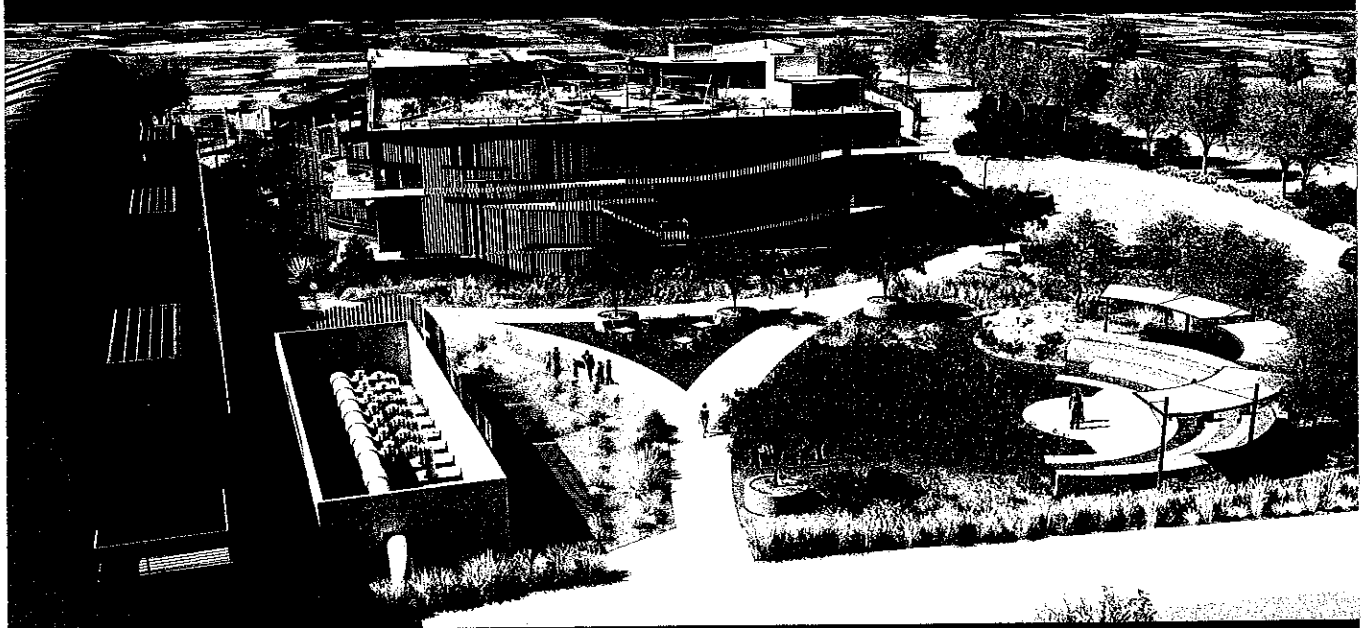
This milestone marks the fulfillment of WRD's 13-year long Water Independence Now plan to eliminate our demand for costly imported water for groundwater recharge.

WHEN

Thursday,
October 26, 2017
11:00am

WHERE

GRIP Facility
4320 San Gabriel River Parkway
Pico Rivera, CA 90660



Please RSVP to Angie Mancillas at amancillas@wrd.org or call (562) 275-4231

Summary of Cash and Investments

September 2017

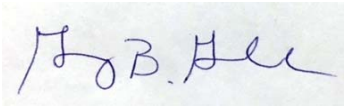
La Puente Valley County Water District

Investments	Interest Rate (Apportionment Rate)	Beginning Balance	Receipts/ Change in Value	Disbursements/ Change in Value	Ending Balance
Local Agency Investment Fund	1.07%	$ 1,996,538.43	$ 5,403.75	$ -	$ 2,001,942.18
Raymond James Financial Services		$ 507,072.26	$ -	$ -	$ 507,072.26
Checking Account					
Well Fargo Checking Account (per General Ledger)		$ 667,107.01	$ 854,373.76	$ 354,595.62	$ 1,166,885.15
				District's Total Cash and Investments:	**$ 3,675,899.59**

Industry Public Utilities

Checking Account	Beginning Balance	Receipts	Disbursements	Ending Balance
Well Fargo Checking Account (per General Ledger)	$ 545,422.16	$ 176,007.25	$ 160,403.47	$ 561,025.94
			IPU's Total Cash and Investments:	**$ 561,025.94**

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:** 10/20/2017

Greg B. Galindo

La Puente Valley County Water District (Treatment Plant Included)
Statement of Revenues and Expenses
For the Period Ending September 30, 2017
(Unaudited)

DESCRIPTION	LPVCWD YTD 2017	TP YTD 2017	COMBINED YTD 2017	COMBINED BUDGET 2017	75% OF BUDGET	COMBINED 2016
Total Operational Revenues	$ 1,410,597	$ -	$ 1,410,597	$ 1,925,600	73%	$ 1,897,789
Total Non-Operational Revenues	347,850	947,804	1,295,654	3,367,500	38%	1,823,685
TOTAL REVENUES	**1,758,446**	**947,804**	**2,706,251**	**5,293,100**	**51%**	**3,721,474**
Total Salaries & Benefits	735,376	219,548	954,925	1,269,800	75%	1,175,969
Total Supply & Treatment	648,585	637,853	1,286,437	1,639,400	78%	1,486,410
Total Other Operating Expenses	122,061	72,872	194,932	403,300	48%	294,555
Total General & Administrative	242,185	17,532	259,717	507,200	51%	367,578
TOTAL EXPENSES	**1,748,207**	**947,804**	**2,696,011**	**3,819,700**	**71%**	**3,324,512**
TOTAL OPERATIONAL INCOME	**10,239**	**-**	**10,239**	**1,473,400**	**1%**	**396,962**
Total Capital Improvements	(11,904)	-	(11,904)	(2,085,000)	1%	(69,922)
Total Capital Outlay	(70,330)	-	(70,330)	(82,000)	86%	(145,725)
TOTAL CAPITAL OPERATIONS	**(82,233)**	**-**	**(82,233)**	**(2,167,000)**	**4%**	**(215,646)**
Total Developer	81,095	-	81,095	15,000	541%	8,292
OPERATING INCOME	**9,101**	**-**	**9,101**	**(678,600)**		**189,607**
Non-Cash Items (Dep. & OPEB)	(228,417)	(549,750)	(778,167)	1,007,000	-77%	52,385
NET INCOME (LOSS)	**$ (219,316)**	**$ (549,750)**	**$ (769,066)**	**$ 328,400**	**-234%**	**$ 241,992**

La Puente Valley County Water District
Statement of Revenues and Expenses
For the Period Ending September 30, 2017
(Unaudited)

Description	SEPTEMBER 2017	YTD 2017	ANNUAL BUDGET 2017	75% OF BUDGET	YEAR END 2016
Operational Revenues					
Water Sales	$ 92,909	$ 871,219	$ 1,209,500	72.03%	$ 1,179,947
Service Charges	45,580	449,068	598,000	75.09%	601,298
Surplus Sales	2,700	25,489	36,000	70.80%	30,558
Customer Charges	2,750	25,827	29,200	88.45%	31,429
Fire Service	1,330	38,420	52,700	72.90%	53,902
Miscellaneous Income	-	575	200	287.50%	655
Total Operational Revenues	**145,269**	**1,410,597**	**1,925,600**	**73.25%**	**1,897,789**
Non-Operational Revenues					
Management Fees	45,518	136,553	257,000	53.13%	253,500
Taxes & Assessments	-	111,966	195,000	57.42%	215,708
Other O & M Fees	5,254	51,021	62,000	82.29%	68,259
Rental Revenue	2,937	26,177	33,300	78.61%	33,969
Interest Revenue	-	-	10,000	0.00%	13,992
Miscellaneous Income	430	22,133	36,500	60.64%	75,860
Recycled Water System (Grant Revenue)	-	-	415,000	0.00%	-
Recycled Water System (Loan Proceeds)	-	-	1,000,000	0.00%	-
Total Non-Operational Revenues	**54,139**	**347,850**	**2,008,800**	**17.32%**	**661,288**
TOTAL REVENUES	**199,408**	**1,758,446**	**3,934,400**	**44.69%**	**2,559,077**
Salaries & Benefits					
Total District Wide Labor	41,198	347,254	472,600	73.48%	448,209
Directors Fees & Benefits	9,758	86,527	106,900	80.94%	102,802
Benefits	11,488	96,996	140,900	68.84%	100,078
OPEB Payments	33,528	119,775	165,200	72.50%	163,062
Payroll Taxes	3,576	32,249	45,300	71.19%	38,934
Retirement Program Expense	4,154	52,575	73,900	71.14%	57,493
Total Salaries & Benefits	**103,702**	**735,376**	**1,004,800**	**73.19%**	**910,577**
Supply & Treatment					
Purchased & Leased Water	123	421,639	386,600	109.06%	475,464
Power	15,249	111,878	154,700	72.32%	135,678
Assessments	-	102,458	174,200	58.82%	86,920
Treatment	299	3,390	10,000	33.90%	6,363
Well & Pump Maintenance	8	9,220	56,700	16.26%	21,490
Total Supply & Treatment	**15,679**	**648,585**	**782,200**	**82.92%**	**725,916**
Other Operating Expenses					
General Plant	4,827	19,794	35,600	55.60%	23,830
Transmission & Distribution	2,071	40,252	76,500	52.62%	46,997
Vehicles & Equipment	4,117	12,790	28,100	45.52%	12,758
Field Support & Other Expenses	7,977	26,843	45,500	59.00%	74,084
Regulatory Compliance	1,942	22,381	34,100	65.63%	25,177
Recycled Water Short Term Loan Payment	-	-	-	N/A	-
Recycled Water Loan Payment	-	-	-	N/A	-
Total Other Operating Expenses	**20,935**	**122,061**	**219,800**	**55.53%**	**182,846**

La Puente Valley County Water District
Statement of Revenues and Expenses
For the Period Ending September 30, 2017
(Unaudited)

Description	SEPTEMBER 2017	YTD 2017	ANNUAL BUDGET 2017	75% OF BUDGET	YEAR END 2016
General & Administrative					
District Office Expenses	1,498	35,209	65,600	53.67%	35,904
Customer Accounts	851	13,542	20,000	67.71%	19,804
Insurance	6,971	51,901	89,000	58.32%	61,400
Professional Services	5,933	94,717	183,000	51.76%	163,869
Training & Certification	3,881	23,822	30,000	79.41%	21,850
Public Outreach & Conservation	124	13,032	37,000	35.22%	13,266
Other Administrative Expenses	618	9,962	29,600	33.66%	26,684
Total General & Administrative	**19,878**	**242,185**	**454,200**	**53.32%**	**342,776**
TOTAL EXPENSES	**160,193**	**1,748,207**	**2,461,000**	**71.04%**	**2,162,115**
TOTAL OPERATIONAL INCOME	**39,214**	**10,239**	**1,473,400**	**0.69%**	**396,962**
Capital Improvements					
Zone 3 Improvements	-	(1,300)	(85,000)	1.53%	-
Service Line Replacements	(461)	(10,431)	(25,000)	41.73%	(47,395)
Valve Replacements	-	(13)	(15,000)	0.09%	(3,107)
Fire Hydrant Repair/Replacements	(159)	(159)	(5,000)	3.18%	(3,673)
Main & 1st Street Building Retrofit	-	-	(55,000)	0.00%	-
Phase 1 - Recycled Water System	-	-	(1,700,000)	0.00%	(15,747)
Phase 2 - Recycled Water System	-	-	(200,000)	0.00%	-
Total Capital Improvements	**(620)**	**(11,904)**	**(2,085,000)**	**0.57%**	**(69,922)**
Capital Outlay					
Communications Systems Upgrade	-	-	-	N/A	(12,944)
Meter Read Collection System Equipment	-	(30,598)	(45,000)	68.00%	-
New Pick-Up & Backhoe	-	(39,731)	(37,000)	107.38%	(132,780)
Total Capital Outlay	**-**	**(70,330)**	**(82,000)**	**85.77%**	**(145,725)**
TOTAL CAPITAL OPERATIONS	**(620)**	**(82,233)**	**(2,167,000)**	**3.79%**	**(215,646)**
Developer					
Developer Fees	-	81,095	5,000	1621.90%	8,292
Developer Contributions	-	-	10,000	0.00%	-
Total Developer	**-**	**81,095**	**15,000**	**540.63%**	**8,292**
OPERATING INCOME	**38,594**	**9,101**	**(678,600)**		**189,607**
Add Back Capitalized Assets	620	82,233	2,167,000	3.79%	215,646
Less Depreciation Expense	(34,517)	(310,650)	(414,200)	75.00%	(361,474)
Less OPEB Expense - Not Funded	-	-	(12,800)	0.00%	20,223
NET INCOME (LOSS)	**$ 4,698**	**$ (219,316)**	**$ 1,061,400**	**-20.66%**	**$ 64,003**

Treatment Plant
Statement of Revenues and Expenses
For the Period Ending September 30, 2017
(Unaudited)

Description	SEPTEMBER 2017	YTD 2017	ANNUAL BUDGET 2017	75% OF BUDGET	YEAR END 2016
Non-Operational Revenues					
Reimbursements from CR's	$ 163,911	$ 947,804	$ 1,358,700	70%	$ 1,162,397
Miscellaneous Income	-	-	-	N/A	-
Total Non-Operational Revenues	**163,911**	**947,804**	**1,358,700**	**70%**	**1,162,397**
Salaries & Benefits					
Total District Wide Labor	26,083	219,548	265,000	83%	265,392
Contract Labor	-	-	-	N/A	-
Total Salaries & Benefits	**26,083**	**219,548**	**265,000**	**83%**	**265,392**
Supply & Treatment					
NDMA, 1,4-Dioxane Treatment	4,374	148,017	195,600	76%	143,768
VOC Treatment	-	5,242	17,600	30%	35,449
Perchlorate Treatment	99,918	307,901	332,600	93%	342,688
Other Chemicals	1,090	12,241	16,600	74%	13,231
Treatment Plant Power	20,087	135,004	204,800	66%	160,313
Treatment Plant Maintenance	1,321	13,893	70,000	20%	29,404
Well & Pump Maintenance	-	15,555	20,000	78%	35,641
Total Supply & Treatment	**126,791**	**637,853**	**857,200**	**74%**	**760,495**
Other Operating Expenses					
General Plant	1,306	10,332	45,000	23%	12,414
Vehicles & Equipment	1,033	7,981	6,500	123%	9,356
Field Support & Other Expenses	-	-	15,000	0%	-
Regulatory Compliance	8,643	54,559	117,000	47%	89,940
Total Other Operating Expenses	**10,982**	**72,872**	**183,500**	**40%**	**111,710**
General & Administrative					
District Office Expenses	-	-	20,000	0%	-
Insurance	-	5,741	18,000	32%	9,506
Professional Services	55	11,790	15,000	79%	15,296
Total General & Administrative	**55**	**17,532**	**53,000**	**33%**	**24,801**
TOTAL EXPENSES	**163,911**	**947,804**	**1,358,700**	70%	**1,162,397**
TOTAL OPERATIONAL INCOME	**-**	**-**	**-**	**N/A**	**-**
Capital Outlay					
Scada Computer	-	-	-	N/A	-
Total Capital Outlay	**-**	**-**	**-**	N/A	**-**
Depreciation Expense	**(61,083)**	**(549,750)**	**(733,000)**	75%	**177,989**
Total Non-Cash Items (Dep. & OPEB)	**(61,083)**	**(549,750)**	**(733,000)**	**75%**	**177,989**
NET INCOME (LOSS)	**$ (61,083)**	**$ (549,750)**	**$ (733,000)**	75%	**$ 177,989**

INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS
Statement of Revenue and Expenses Summary
For the Period Ending September 30, 2017
(Unaudited)

DESCRIPTION	SEPTEMBER 2017	FISCAL YTD 2017-2018	BUDGET FY 2017-2018	25% OF BUDGET	FY END 2016-2017
Total Operational Revenues	$ 238,158	$ 580,805	$ 1,959,100	29.65%	$ 1,919,277
Total Non-Operational Revenues	-	-	27,500	0.00%	57,344
TOTAL REVENUES	**238,158**	**580,805**	**1,986,600**	**29.24%**	**1,976,621**
Total Salaries & Benefits	50,945	156,862	629,700	24.91%	614,212
Total Supply & Treatment	2,071	36,097	804,060	4.49%	716,709
Total Other Operating Expenses	6,266	34,157	157,500	21.69%	166,293
Total General & Administrative	47,444	53,916	317,890	16.96%	245,348
Total Other & System Improvements	-	6,152	93,000	6.62%	132,828
TOTAL EXPENSES	**106,725**	**287,184**	**2,002,150**	**14.34%**	**1,875,389**
OPERATING INCOME	**131,432**	**293,621**	**(15,550)**	**-1888.24%**	**101,232**
NET INCOME (LOSS)	**$ 131,432**	**$ 293,621**	**$ (15,550)**	**-1888.24%**	**$ 101,232**

INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS
Statement of Revenue and Expenses
For the Period Ending September 30, 2017
(Unaudited)

DESCRIPTION	SEPTEMBER 2017	FISCAL YTD 2017-2018	BUDGET FY 2017-2018	25% OF BUDGET	FY END 2016-2017
Operational Revenues					
Water Sales	$ 166,132	$ 396,937	$ 1,250,000	31.75%	$ 1,201,582
Service Charges	57,093	150,682	600,000	25.11%	604,883
Customer Charges	1,765	4,680	21,000	22.29%	20,115
Fire Service	13,168	28,507	88,100	32.36%	92,696
Miscellaneous Income	-	-	-	N/A	-
Total Operational Revenues	**238,158**	**580,805**	**1,959,100**	**29.65%**	**1,919,277**
Non-Operational Revenues					
Contamination Reimbursement	-	-	27,500	0.00%	38,462
Developer Fees	-	-	-	N/A	14,568
Miscellaneous Income	-	-	-	N/A	4,314
Total Non-Operational Revenues	**-**	**-**	**27,500**	**0.00%**	**57,344**
TOTAL REVENUES	**238,158**	**580,805**	**1,986,600**	**29.24%**	**1,976,621**
Salaries & Benefits					
Administrative Salaries	12,984	41,378	179,100	23.10%	165,274
Field Salaries	18,960	58,322	224,000	26.04%	225,518
Employee Benefits	11,172	35,639	139,000	25.64%	139,630
Pension Plan	4,128	12,981	51,600	25.16%	49,805
Payroll Taxes	2,285	7,127	29,000	24.58%	27,928
Workman's Compensation	1,415	1,415	7,000	20.22%	6,058
Total Salaries & Benefits	**50,945**	**156,862**	**629,700**	**24.91%**	**614,212**
Supply & Treatment					
Purchased Water - Leased	-	-	367,890	0.00%	496,961
Purchased Water - Other	1,685	3,914	14,400	27.18%	14,069
Power	-	25,705	125,000	20.56%	107,347
Assessments	-	5,515	132,770	4.15%	91,367
Treatment	-	-	7,000	0.00%	4,589
Well & Pump Maintenance	386	963	157,000	0.61%	2,376
Total Supply & Treatment	**2,071**	**36,097**	**804,060**	**4.49%**	**716,709**
Other Operating Expenses					
General Plant	712	1,417	10,500	13.50%	5,313
Transmission & Distribution	1,459	23,679	60,000	39.46%	67,558
Vehicles & Equipment	-	-	30,000	0.00%	31,515
Field Support & Other Expenses	1,545	4,214	27,000	15.61%	26,761
Regulatory Compliance	2,550	4,848	30,000	16.16%	35,146
Total Other Operating Expenses	**6,266**	**34,157**	**157,500**	**21.69%**	**166,293**

INDUSTRY PUBLIC UTILITIES - WATER OPERATIONS
Statement of Revenue and Expenses
For the Period Ending September 30, 2017
(Unaudited)

DESCRIPTION	SEPTEMBER 2017	FISCAL YTD 2017-2018	BUDGET FY 2017-2018	25% OF BUDGET	FY END 2016-2017
General & Administrative					
Management Fee	45,518	45,518	183,890	24.75%	180,285
Office Expenses	623	2,121	20,500	10.35%	22,806
Insurance	-	-	25,500	0.00%	12,323
Professional Services	68	1,796	45,000	3.99%	4,739
Customer Accounts	981	3,537	16,000	22.11%	15,748
Public Outreach & Conservation	14	41	25,000	0.16%	4,688
Other Administrative Expenses	241	903	2,000	45.16%	4,758
Total General & Administrative	**47,444**	**53,916**	**317,890**	**16.96%**	**245,348**
Other Expenses & System Improvements (Water Operations Fund)					
Transfer to Capital or Expense	-	-	-	N/A	-
Developer Capital Contributions	-	-	-	N/A	(135,303)
Developer Project - Andrews School #2	-	-	-	N/A	72,134
Developer Project - Don Julian Unit D	-	-	-	N/A	893
Developer Project - 13936-38 Valley Blvd	-	-	-	N/A	62,277
Net Developer Project Activity	-	-	-	-	-
Master Plan Update / Hydraulic Model	-	-	-	N/A	11,359
Other System Improvements (Materials)	-	-	-	N/A	223
FH Laterals	-	208	9,000	2.32%	83
Service Line Replacements	-	-	30,000	0.00%	71,893
Valve Replacements	-	13	25,000	0.05%	660
Plant Electrical System Improvements	-	-	20,000	0.00%	-
Meter Installations - Industry Hills	-	5,930	-	0.00%	24,818
Meter Read Collection System	-	-	-	0.00%	23,792
SCADA System Assessment & Upgrades	-	-	9,000	0.00%	-
Total Other & System Improvements	**-**	**6,152**	**93,000**	**6.62%**	**132,828**
TOTAL EXPENSES	**106,725**	**287,184**	**2,002,150**	**14.34%**	**1,875,389**
OPERATING INCOME	**131,432**	**293,621**	**(15,550)**	**N/A**	**101,232**

STAFF REPORT

Meeting Date: October 23, 2017

To: Honorable Board of Directors

Subject: Three-Year Lease Agreement with Canyon Water Company

Purpose - *To secure 1,000 acre-feet a year of Main San Gabriel Basin Water Production Rights, for a three-year period.*

Recommendation - *Authorize the General Manager to enter into an agreement with Canyon Water Company, to lease 1,000 acre-feet a year of Main San Gabriel Basin Production Rights for three consecutive years (2018-2020).*

Fiscal Impact - *This action will result in committing the District to expend approximately $726,200 in January of 2018, $757,500 in January 2019 and $790,100 in January 2020. These expenses will be offset by revenue from leasing a portion of these rights to other producers. The District's net annual average cost for these leases is estimated at $244,000 depending on actual production. This action reduces the District's water supply cost by an average of $75.00 per acre-foot for water produced over its base annual production rights, an estimated annual average savings of $21,300.*

Summary

Each year, District staff pursues groundwater production rights leases in the Main San Gabriel Basin (Basin). In years past, the rate for these leases has been 90% of the rate for replenishment water or the replacement water assessment set by Watermaster. In 2008, the rate was 90% of $251.90 per acre-foot, which provided a savings per acre foot of $25.19. From that time to the present, the rate has increased to $798 per acre-foot. Below, I have provided a table that illustrates the difference between groundwater production rights lease rates and replenishment water rates over the last several years and projections for the next three years.

Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Cyclic Storage Rate (UD Tier 1 Untreated)	$ 252	$ 450	$ 587	$ 512	$ 640	$ 673	$ 673	$ 673	$ 697	$ 769	**$ 798**	$ 832	$ 868
Lease Rate 90%	$ 227	$ 405	$ 528	$ 461	$ 576	$ 606	$ 606	$ 606	$ 627	$ 692	$ 718	$ 749	$ 781
Lease Rate 91%	$ 229	$ 410	$ 534	$ 466	$ 582	$ 612	$ 612	$ 612	$ 634	$ 700	**$ 726**	$ 757	$ 790
Lease Rate 92%	$ 232	$ 414	$ 540	$ 471	$ 589	$ 619	$ 619	$ 619	$ 641	$ 707	$ 734	$ 766	$ 799
Rep Rate - 90% Lease Rate	$ 25	$ 45	$ 59	$ 51	$ 64	$ 67	$ 67	$ 67	$ 70	$ 77	$ 80	$ 83	$ 87
Rep Rate - 91% Lease Rate	$ 23	$ 41	$ 53	$ 46	$ 58	$ 61	$ 61	$ 61	$ 63	$ 69	**$ 72**	$ 75	$ 78
Rep Rate - 92% Lease Rate	$ 20	$ 36	$ 47	$ 41	$ 51	$ 54	$ 54	$ 54	$ 56	$ 62	$ 64	$ 67	$ 69

As shown, the cost for imported water has gone up substantially since 2008. As the price escalates the cost differential between purchased and leased water also increases.

The groundwater production rights lease market in the Basin is complex. Many of the leases are a result of longstanding relationship type arrangements and with others being leased under multi-year agreements. Over the years, it has been difficult to procure leases other than our longstanding relationship with two parties. In the past year, District Staff has been successful at securing multi-year lease agreements with these parties. District Staff continues to pursue opportunities in the groundwater rights lease market. At this time, staff has been able to negotiate a three-year lease with Canyon Water Company to lease 1,000 acre-feet of groundwater production rights at a rate of 91% of Upper District's replenishment water rate that is in effect at time of the lease transactions.

Of the 1,000 acre-feet, the District needs a portion to cover its projected overproduction for the current production year. The remaining acre-feet can be subleased to the City of Industry Waterworks System and other producers if necessary. A copy of the draft Groundwater Production Rights Lease Agreement is attached for your reference.

Fiscal Impact

Enclosed is an analysis of the anticipated fiscal impacts by entering into this multi-year lease agreement. This recommended action will result in committing the District to expend approximately $726,200 in January of 2018, $757,500 in January 2019 and $790,100 in January 2020. These expenses will be offset by revenue from leasing a portion of these rights to other producers. The District's net annual average cost for these leases is estimated to be $244,000 depending on actual production. This action reduces the District's water supply cost by an average of $75 per acre-foot for water produced over its base annual production rights, an estimated average annual savings of $21,300.

Recommendation

Staff recommends the Board authorize the General Manager to enter into an agreement with Canyon Water Company to lease 1,000 acre-feet a year of Main San Gabriel Basin Production Rights for three consecutive years, beginning in 2018 and ending in 2020.

Respectfully Submitted,

Greg B. Galindo

General Manager

Enclosures

- Draft Groundwater Production Rights Lease Agreement with Canyon Water Company
- Water Rights Lease Analysis

LEASE OF WATER RIGHTS

Main Basin Production Rights

THIS LEASE OF WATER RIGHTS (the "Lease") is entered into on this 2nd day of October, 2017, by and between Canyon Water Company, a California corporation ("Owner"), and La Puente Valley County Water District, a County water district ("Lessee"), with respect to the following:

RECITALS

This Agreement is made with respect to the following facts:

A. Owner owns of record and beneficially or otherwise controls, or is the duly authorized and acting agent for the owners of, certain water production rights in the San Gabriel Basin as adjudicated in the case of "Upper San Gabriel Valley Municipal Water District vs. City of Alhambra, et al" LASC No. 92418 (the "Rights"). The ownership of said Rights entitles Owner to take delivery or otherwise produce water from the Main San Gabriel Basin on an annual basis.

AGREEMENT

IN CONSIDERATION of the foregoing recitals and the mutual promises set forth herein, Owner and Lessee agree as follows:

1. Leasing of Water Production Rights. Owner hereby leases to Lessee, and Lessee hereby leases from Owner, up to Three Thousand Acre Feet (3,000) of Rights at up to 1,000 acre feet per year upon the terms and conditions set forth in this Lease.

2. Term. The term of this Lease shall be for a period of three years, commencing January 1, 2018 and ending June 30, 2020.

3. Lease Rate, Payment and Adjustment.

(a) The gross rental payable under this Lease for the term set forth in paragraph 2 above shall be Ninety One Percent (91%) of the Tier 1 Untreated Water Rate charges set by the Metropolitan Water District plus any charges set by San Gabriel Valley Upper District (currently $103.00 per acre foot). By way of example: Tier 1 Metropolitan Water Rate for 2017 is $666/af + Upper District Surcharge of $103.00/af = $769.00/af x 0.91 = lease price of **$699.79 /af**.

(b) All payments due Owner pursuant to this Lease shall be made and sent as follows:

Canyon Water Company
370 E. Rowland Street
Covina, CA 91723

Payments will be made to Canyon Water Company and are due and payable January 30 of each year of the Term of this Lease (2018, 2019, 2020).

4. Late Payments. Each payment due hereunder shall have an automatic grace period of twenty (20) days from the due date. In the event any such payment is not received prior to the expiration of such grace period, a late fee equal to ten percent (10%) of the amount of the payment due shall be assessed and paid.

5. Agreement re Upper San Gabriel Valley Municipal Water District Watermaster.

(a) Owner agrees to execute and deliver to La Puente Valley County Water District all documents which, from time to time, may be required by the Upper San Gabriel Valley Municipal Water District Watermaster (the "Watermaster") to reflect the lease to Lessee of the Rights which are the subject of this Lease. All such documents shall be in such form and substance as shall be reasonably satisfactory to Owner, Lessee, and the Watermaster.

(b) Lessee and Owner shall, at its expense, prepare and submit all reports required by the Watermaster in connection with the lease of the Rights by Lessee under this Lease.

(c) This Lease entitles Lessee only to the use of the Rights associated with water production rights. Owner retains and does not otherwise convey to Lessee any other rights associated with said production right.

6. Other Provisions. Owner and Lessee further agree as follows:

(a) In the event any dispute shall arise between the parties to this Agreement, the same shall be resolved by arbitration conducted by the American Arbitration Association in accordance with the Commercial Arbitration Rules of the American Arbitration Association, as then in affect. Such arbitration shall be conducted at a site within Los Angeles County, California agreeable to both parties before three (3) arbitrators who shall be selected by mutual agreement of the parties; if agreement is not reached on the selection of arbitrators within fifteen (15) days, then each of the parties shall select an arbitrator and the two (2) arbitrators so selected shall select a third (3^{rd}) arbitrator.

The provisions of the Commercial Arbitration Rules of the American Arbitration Association shall apply and govern such arbitration.

The parties shall pay equally for all costs of arbitration except that the prevailing party shall be entitled to recover from the other party its attorneys' fees actually incurred in such amount as my be determined by the arbitrators.

(b) All communications, notices and demands (collectively "Notices") of any kind shall be made in writing and personally served or sent by registered or certified mail, postage prepaid to the following:

To Owner: Canyon Water Company
370 E. Rowland Avenue
Covina, CA 91723

To Lessee: La Puente Valley County Water District
112 N. 1st St.
La Puente, CA 91744

Any notice personally served shall be effective upon service. Any notice sent by registered or certified mail, postage prepaid and properly addressed shall be effective upon the date of receipt or refusal as indicated on the return receipt. Either party may change its address for Notices by Notice to the other given in the manner provided in this subparagraph.

(c) This Lease shall inure to the benefit of and be binding upon the heirs, successors and assigns of both of the parties hereto.

(d) Each party shall, upon request of the other party, take such further actions and execute and deliver such further instruments as shall be reasonably required to carry out the purpose and intent of this Lease.

(e) This Lease is executed in the State of California and shall be governed by and construed in accordance with California law. Venue for any action arising out of or relating to this Lease shall be place in any court of the State of California with appropriate jurisdiction and located in the County of Los Angeles, with service of process to be in accordance with the then provisions of the California code of Civil Procedure.

(f) This Lease may be executed in two or more counterparts, each of which shall be an original but all of which, together, shall constitute a single instrument. It shall not be necessary for both parties to execute the same counterpart(s) of this Lease for this Lease to become effective.

(g) This Lease constitutes the entire agreement of Owner and Lessee with respect to the subject matter hereof. This Lease supersedes all prior discussions and understandings with respect to the subject matter hereof. There are no representations, warranties, promises or covenants as to the subject matter hereof except as expressly set forth in this Lease.

(h) This Lease may be amended only by a written instrument executed by the party to be charged.

(i) The paragraph headings contained in this Lease are for convenience only and shall not be considered in the construction or interpretation of any provision hereof.

(j) Owner represents and acknowledges that he is executing this Lease either as the beneficial and recorded owner of the Rights defined herein, or, as the duly authorized representative of the beneficial and recorded owner of said Rights not beneficially owned by Owner.

IN WITNESS WHEREOF, Owner and Lessee have executed and delivered this Lease of water production rights as of the day and year first above written.

LA PUENTE VALLEY COUNTY WATER DISTRICT	CANYON WATER COMPANY, A California Corporation
_____	By_____
By _____	Title:_____

LPVCWD - Lease Analysis
3-Year Lease from Canyon Water Company

Production Year	**2017**	**2018**	**2019**	**2020**
Watermaster Safe Yeild	150,000	150,000	150,000	150,000
District Production Right	857.96	857.96	857.96	857.96
Carryover Rights	175.56	260.42	247.65	184.88
Production	1,402.37	1,500.00	1,550.00	1,600.00
Production Over District Rights	368.86	381.63	444.40	557.17
Lease 1 (AF)	335.39	335.39	335.39	335.39
Lease 2 (AF)	43.89	43.89	43.89	43.89
Lease 3 - Lease in (AF)	250.00	1,000.00	1,000.00	1,000.00
Lease 3 - Lease Out (AF)	0.00	-800.00	-750.00	-700.00
Lease 3 Balance (AF)	**250.00**	**250.00**	**250.00**	**350.00**
Remaining (AF)	260.42	247.65	184.88	172.11
Upper District Tier 1 Untreated Rate	$ 769.00	$ 798.00	$ 832.37	$ 868.23
Lease 1 Rate $/AF	$ 634.27	$ 699.79	$ 726.18	$ 757.45
Lease 2 Rate $/AF	$ 699.79	$ 726.18	$ 757.45	$ 790.09
Lease 3 Rate $/AF	$ 707.48	$ 726.18	$ 757.45	$ 790.09
Lease 1 Cost	$ 212,724.64	$ 234,699.07	$ 243,549.88	$ 254,038.09
Lease 2 Cost	$ 30,713.78	$ 31,872.04	$ 33,244.57	$ 34,677.02
Lease 3 Cost	$ 176,870.00	$ 181,545.00	$ 189,363.04	$ 276,531.28
Lease Cost for AF Produced Over Rights	**$ 420,308.43**	**$ 448,116.11**	**$ 466,157.49**	**$ 565,246.39**

Memo

To: Honorable Board of Directors

From: Roy Frausto, Compliance Officer/Project Engineer

Date: October 23, 2017

Re: Project Engineer's Report – September 2017

CAPITAL PROJECTS

1. LPVCWD Recycled Water Project – Staff held a conference call with the Sanitation Districts of Los Angeles (San District) to discuss LPVCWD's recycled water project and the 1211 permit. Per San District, the 1211 permit process will be delayed further than originally anticipated.

   Currently, final plans and structural bridge calculations were finalized and approved by the City of Industry. Bid documents are currently being drafted and the competitive bid process is anticipated to open by the end of October 2017.

2. LPVCWD PVOU IZ Project – Staff continues to participate in finalizing definitive agreements between SWS, Northrop and LPVCWD for operation of the IZ Interim Remedy. Final 100% plans and specification of the treatment plant were submitted for LPVCWD review.

   CEQA documents are currently being developed and are anticipated to be submitted for LPVCWD review by the end of October 2017.

DEVELOPMENTS

1. LPVCWD 747 Del Valle Development – Doty Bros. Equipment Company is scheduled to mobilize and start construction of the 12-inch waterline extension project on Monday, October 30, 2017. It is anticipated that all offsite water related construction activities will be completed by the end of December 2017.

   Staff reached out to the City of La Puente, Del Valle Elementary, and Sierra Vista Middle School to advise them of the scheduled construction activities on Del Valle. In addition, staff mailed out construction notices on October 18, 2017 to forewarn residents on Del Valle Ave. and parts of Sierra Vista Ct.

2. Star Theatre Property – Based on preliminary design submittals, the property may be used to develop 22 units of condos. Currently, a fence is still in place to serve as a future construction barrier and no activity or request for information has been received by staff.

3. 15921 Sierra Vista Court –The project was presented to the City of La Puente's Planning Commission during their September 2017 meeting. The tentative tract map to subdivide the property and a conditional site plan and design review was approved by the commission on September 5, 2017. Construction is anticipated to begin by the end of the year or early next year.

SPECIAL/OTHER PROJECTS

1. LPVCWD Air Stripper Efficiency Evaluation – LPVCWD staff implemented the testing procedures called out for in the test plan during the month of July and August. All sampling events resulted in Non-Detect (summarized in the summary sheet enclosed herein). A permit amendment request is anticipated to be submitted to DDW early in 2018.
2. LPVCWD 2016 -2017 Annual Treatment Plant Technical Report – Staff drafted and finalized the 16-17 Annual Treatment Plant Technical Report. The final report was sent to the DDW on October 19, 2017 and is enclosed herein as **Enclosure 1**.
3. Banbridge Pump Station – Staff met with the property owner of 122 Banbridge Ave. on October 3, 2017, to discuss project scope options. In summary, staff relayed the option to (1) keep the structure in place and replace pumps and other water related appurtenances or (2) remove the structure and construct a new pump station in the public right-of-way.
4. LPVCWD Bacteriological Sample Site Plan (BSSP) – Staff constructed a new sample station near 410 Holguin Place that represents Zone 5 water quality. The revised BSSP incorporating this new sample station was submitted and approved by the DDW on September 29, 2017.
5. SPIX Resin Pilot Testing – Staff will coordinate a pilot test of new PSRII plus resin from Evoqua Water Technologies to test the throughput and water quality output. If the pilot proves successful, staff will pursue a permit amendment or letter of approval for the use of the PSR 2 plus resin.
6. Nitrate Blending Plan – A nitrate blending plan to blend Well 3 water with Well 2 or 5 water will be drafted for precautionary purposes and submitted to the DDW for review and comment.
7. 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.
8. LPVCWD Permit Amendment - Staff met with the DDW on August 24, 2017 and concluded that a permit amendment was the next step to formally permit the lower air: water ratio for Air Stripper #2 along with the proposed blending plan. Staff will assist the DDW in drafting the engineering and technical report sections of the permit amendment to expedite the issuance of the permit.

FUTURE PROJECTS

1. Water Loss Accountability – Analyze and draft an annual report to optimize water accountability and minimize water loss.
2. GIS System – Staff coordinated with DCSE to manage the GIS system in-house by reflecting all updates and changes on a real-time basis. Staff will schedule accordingly to start reflecting redline field data.

Enclosure 1 – 2016 -2017 Annual Treatment Plant Technical Report

TECHNICAL PERFORMANCE REPORT

FOR

LA PUENTE VALLEY COUNTY WATER DISTRICT TREATMENT FACILITY

LOCATED AT

1695 PUENTE AVENUE
BALDWIN PARK, CALIFORNIA

ANNUAL REPORT 2016-2017

Submitted: October 2017

2016-2017
TECHNICAL PERFORMANCE REPORT

October 2017

In Compliance with Permit Provision #55 of
Permit Amendment 1910060PA-002

Prepared By

Roy Frausto

Compliance Officer/Project Engineer

Reviewed and Approved By

Greg B. Galindo
General Manager

LIST OF DIAGRAMS

LIST OF FIGURES

LIST OF TABLES

SECTION I
INTRODUCTION

I.1 Background

The State Water Resources Control Board, Division of Drinking Water (DDW) issued Permit Amendment No. 1910060PA-002 (Permit) to La Puente Valley County Water District (LPVCWD) on June 15, 2010 to allow the operation of a new single-pass ion exchange treatment system (that replaced the re-generable resin ion exchange treatment system) at its treatment facility (Treatment Facility) located at 1695 Puente Avenue in the City of Baldwin Park. LPVCWD began operation of the new single-pass ion exchange treatment system on July 30, 2010 (see **Diagram 1** for Treatment Facility Process Flow).

I.2 Permit Requirements

Under Permit Provision No. 55, LPVCWD is required to prepare an annual report for the DDW that provides an evaluation and technical review of the water quality data gathered from the upgradient surveillance wells and discuss any changes in the characteristics of the plume and the possible impacts on the Treatment Facility.

The purpose of this report is to satisfy LPVCWD's permit provision No. 55 for the annual report period of August 1, 2016 – July 31, 2017.

I.3 Certified Operators

Conforming with Permit Provision No. 7, LPVCWD operates the Treatment Facility with treatment operators who are certified in accordance with the regulations relating to Certification of Water Treatment Facility Operation, Title 17, and California Code of Regulations. In addition, DDW requires the Chief Operator(s) and Shift Operator(s) of the Treatment Facility to have, at a minimum, Grade T3 and T2 certifications, respectively.

The following is a list of operators who are responsible for the operation of the Treatment Facility.

Operator	Certificate	DDW Certification Number	Contact Information
Greg B. Galindo General Manager	T4 D4	21619 7818	626-330-2126 ggalindo@lapuentewater.com
Cesar A. Ortiz Water Production & Treatment Supervisor	 T3 D3	 25853 28983	626-330-2126 cortiz@lapuentewater.com
William D. Clark Water Production/ Treatment Operator II	 T3 D4	 26564 27481	626-890-5364 dclark@lapuentewater.com
Albert J. Vazquez, III Water Production/ Treatment Operator II	 T2 D2	 30470 36173	626-890-0798 avazquez@lapuentewater.com
Keith Bowman Distribution Supervisor	T2 D3	25089 17010	626-330-2126 kbowman@lapuentewater.com

SECTION II
WATER QUALITY

The water quality section of this report discusses raw water quality of source water wells, provides an evaluation and technical review of water quality from the upgradient surveillance wells, and discusses any changes in the characteristics of the plume that may pose an impact on the Treatment Facility. Please note for purposes of numerical analysis, sampling results listed as 0 µg/l (or other unit of measure) in this report were not detected at or above the respective water quality analyses minimum detection limit.

II.1 Source Water

In accordance with Permit Provision No. 40 and 41 and the approved OM&M water quality monitoring plan, raw water samples are collected at least monthly from primary Well No. 5 (when in operation), and at least quarterly from Wells No. 2 and No. 3 at Sample Port 1 (SP-1). Samples are analyzed (Wells sampled quarterly are placed into service for a minimum of 2 hours before samples are collected) for VOCs, perchlorate, nitrate, NDMA, and 1,4-dioxane. In addition, 1,2,3-trichloropropane (1,2,3-TCP) is analyzed as part of the annual requirement as discussed in Section II.4 below. Figures 1A through 8A show water quality trends for samples collected at Wells No. 2, No. 3, and No. 5 for trichloroethylene (TCE), tetrachloroethylene (PCE), carbon tetrachloride (CTC), 1,2-dichloroethane (1,2-DCA), perchlorate, nitrate, NDMA, and 1,4-dioxane, respectively, from August 1, 2016 through July 31, 2017. Long-term trends since the Treatment Facility began operation (March 1, 2001) are shown on Figures 1B through 8B.

II.1.1 TCE Raw Water Quality (MCL = 5 µg/l)

Figure 1A shows a slight increasing trend in raw water TCE concentrations for Well No. 2 and a stabilized trend for Wells No. 3 and No. 5. As listed on **Table 2**, Well No. 2 has an average TCE concentration of 59.8 µg/l with a max of 84 µg/l and a min of 48 µg/l,

Well No. 3 has an average concentration of 0.6 µg/l with a max of 0.7 µg/l and a min of 0.5 µg/l, and Well No. 5 has an average concentration of 11.1 µg/l with a max of 14 µg/l and a min of 0 µg/l.

Comparing these trends and data results to the historical data shown on **Figure 1B**, long-term TCE concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2009, however in 2012, concentrations stabilized and then began (and continue) decreasing since 2013. In addition, **Figure 1B** shows Wells No. 3 and No. 5 on a continued decreasing trend.

II.1.2 PCE Raw Water Quality (MCL = 5 µg/l)

Figure 2A shows a slight decreasing trend in raw water PCE concentrations for Well No. 2 and a stabilized trend for Wells No. 3 and No. 5. As listed on **Table 3**, Well No. 2 has an average PCE concentration of 3.3 µg/l with a max of 4.4 µg/l and a min of 2.7 µg/l, Well No. 3 has an average concentration of 0 µg/l with a max of 0 µg/l and a min of 0 µg/l, and Well No. 5 has an average concentration of 1.0 µg/l with a max of 1.4 µg/l and a min of 0 µg/l.

Comparing these trends and data results to the historical data shown on **Figure 2B**, long-term PCE concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2012, however in 2013, concentrations began to stabilize and continue on a steady trend. In addition, **Figure 2B** shows Wells No. 3 and No. 5 on a decreasing trend.

II.1.3 CTC Raw Water Quality (MCL = 0.5 µg/l)

Figure 3A shows a stabilized trend in raw water CTC concentrations for Wells No. 2 and No. 3, and a decreasing trend for Well No. 5. As listed on **Table 4**, Well No. 2 has an average CTC concentration of 2.7 µg/l with a max of 3.4 µg/l and a min of 2.2 µg/l, Well No. 3 has an average concentration of 0 µg/l with a max of 0 µg/l and a min of 0 µg/l, and

Well No. 5 has an average concentration of 0.4 µg/l with a max of 0.8 µg/l and a min of 0 µg/l.

Comparing these trends and data results to the historical data shown on **Figure 3B**, long-term CTC concentrations in raw water appear to be on a decreasing trend for Wells No. 2 and No. 5. Additionally, Well No. 3 has maintained Non-Detect levels since early 2011.

II.1.4 1,2-DCA Raw Water Quality (MCL = 0.5 µg/l)

Figure 4A shows a stabilized trend in raw water 1,2-DCA concentrations for Well No. 3, a slight increasing trend for Well No. 2, and a decreasing trend for Well No. 5. As listed on **Table 5**, Well No. 2 has an average 1,2-DCA concentration of 1.9 µg/l with a max of 2.4 µg/l and a min of 1.7 µg/l, Well No. 3 has an average concentration of 0 µg/l with a max of 0 µg/l and a min of 0 µg/l, and Well No. 5 has an average concentration of 0.1 µg/l with a max of 0.6 µg/l and a min of 0 µg/l.

Comparing these trends and data results to the historical data shown on **Figure 4B**, long-term 1,2-DCA concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2010, however in 2011, concentrations stabilized and began a slight decreasing trend since 2013. In addition, **Figure 4B** shows Well No. 5 on a decreasing trend and Well No. 3 on stabilized Non-Detect levels since early 2009.

II.1.5 Perchlorate Raw Water Quality (MCL = 6 µg/l)

Figure 5A shows a slight decreasing trend in raw water Perchlorate concentrations for Well No. 2 and a stabilized trend for Wells No. 3 and No. 5. As listed on **Table 6**, Well No. 2 has an average Perchlorate concentration of 36.5 µg/l with a max of 41 µg/l and a min of 32 µg/l, Well No. 3 has an average concentration of 8 µg/l with a max of 8.5 µg/l and a min of 6.6 µg/l, and Well No. 5 has an average concentration of 15.4 µg/l with a max of 18 µg/l and a min of 14 µg/l.

Comparing these trends and data results to the historical data shown on **Figure 5B**, long-term Perchlorate concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2011, however in 2012, concentrations stabilized and presently continue on a slight decreasing trend. In addition, **Figure 5B** shows Wells No. 3 on and No. 5 on decreasing trends that have presently stabilized.

II.1.6 Nitrate Raw Water Quality (MCL = 45 mg/l as NO3: MCL = 10 mg/l as N)

Figure 6A shows a slightly increasing trend in raw water Nitrate concentrations for Well No.3, and a stabilized trend for Wells No. 5 and No. 2. As listed on **Table 7**, Well No. 2 has an average Nitrate (as N) concentration of 7.0 mg/l with a max of 8 mg/l and a min of 6.6 mg/l, Well No. 3 has an average concentration of 9 mg/l with a max of 10 mg/l and a min of 7.8 mg/l, and Well No. 5 has an average concentration of 7.4 mg/l with a max of 7.9 mg/l and a min of 6.9 mg/l. It should be noted that Well No. 3 raw water is always blended with Well No. 2 water when in operation. Specifically, during the month of March when the 10 mg/l Nitrate level was recorded at Well No. 3, blended SP-6 (effluent water) Nitrate levels were 7.0 mg/l. In addition, there were a few occasions of inconsistencies of analytical results (using the EPA 300 method) in regards to Nitrate this past year. As a result, samples were re-taken and analyzed at another certified lab using the EPA 353.2 method and results proved that Nitrate levels were lower than the original results reported. All water delivered at the effluent compliance point of SP-6 never exceeded the MCL for Nitrate.

Comparing these trends and data results to the historical data shown on **Figure 6B and Figure 6C**, long-term Nitrate as NO3 and N, respectively, concentrations in raw water appear to be on an increasing trend for Wells No. 2 and No. 3. In addition, **Figure 6B and 6C** shows Well No. 5 on a slight increasing trend.

II.1.7 NDMA Raw Water Quality (NL 10 ng/l)

Figure 7A shows a stabilized trend in raw water NDMA concentrations for Well No. 3, a slight increasing trend for No. 5, and a slight decreasing trend for Well No. 2. As listed on **Table 8**, Well No. 2 has an average NDMA concentration of 126.7 ng/l with a max of 160 ng/l and a min of 100 ng/l, Well No. 3 has an average concentration of 0 ng/l with a max of 0 ng/l and a min of 0 ng/l, and Well No. 5 has an average concentration of 27.6 ng/l with a max of 36 ng/l and a min of 22 ng/l.

Comparing these trends and data results to the historical data shown on **Figure 7B**, long-term NDMA concentrations in raw water appear to be on a decreasing trend for Wells No. 3 and No. 5. Additionally, **Figure 7B** shows Well No. 2 concentrations on an increasing trend through 2010, however in 2011 concentrations stabilized and presently continue on a slight decreasing trend.

II.1.8 1,4-Dioxane Raw Water Quality (NL 1 ug/l)

Figure 8A shows a stabilized trend in raw water 1,4-Dioxane concentrations for Wells No. 3 and No. 5, and a decreasing trend for Well No. 2. As listed on **Table 9**, Well No. 2 has an average 1,4-Dioxane concentration of 1.4 µg/l with a max of 1.5 µg/l and a min of 1.3 µg/l, Well No. 3 has an average concentration of 0 µg/l with a max of 0 µg/l and a min of 0 µg/l, and Well No. 5 has an average concentration of 0 µg/l with a max of 0 µg/l and a min of 0 µg/l.

Comparing these trends and data results to the historical data shown on **Figure 8B**, long-term 1,4-Dioxane concentrations in raw water were on a decreasing trend that stabilized to Non-Detect levels in 2010 and 2013 for Wells No. 3 and No. 5, respectively. Additionally, **Figure 8B** shows Well No. 2 concentrations were on an increasing trend through 2012, however in 2013 concentrations stabilized and continue on a stable to slight decreasing trend.

II.2 Evaluation of Design Parameters and Source Water Monitoring

The Treatment Facility design is based on historic high concentrations from prior source monitoring of Wells No. 2 and No. 3. Per Permit Amendment # 1910060PA-001 issued in December 2008, Well No. 5 was permitted to operate as the primary source of supply, with Wells No. 2 and No. 3 serving as backup sources.

Table 10 list the design parameters of the Treatment Facility in respect to each contaminant, the high historic concentrations from prior source monitoring, and the minimum, average and maximum contaminant concentrations for samples collected between August 1, 2016 and July 31, 2017 for Wells No. 2, No. 3, and No. 5.

The maximum concentrations of contaminants detected in raw water for 2016-2017 are all below the historic highest concentrations from prior source monitoring with the exception of Nitrate. Nitrate at Well No. 3 was recorded at 10 mg/l vs. the historical high of 9.7 mg/l, and at 7.9 mg/l vs. the historical high of 7.5 mg/l for Well No. 5.

Analyzing the data listed and considering our treatment goal of removing as much contamination as possible while operating within permit provisions and design parameters, Well No. 5 continues to be the optimum source of raw water for the Treatment Facility given that contaminants have an overall lower concentration value than those of Well's No. 2 and No. 3. However, the blended operation of Well No. 2 and No. 3 also meets our treatment goal and offers a reliable backup source of supply. Provided this blend operation, LPVCWD will formally submit a blending plan, as detailed in Section III.6.3 of this report, to formalize its current blending operation.

II.3 Pumping Water Levels

As previously mentioned, raw water to the Treatment Facility is supplied by Well No. 2, No. 3, and No. 5. For purposes of future analysis in determining if a correlation exists

between increasing and/or decreasing raw water quality concentrations and pumping levels, **Figure 9** shows the pumping level rates for each respective well between August 1, 2016 and July 31, 2017. In addition, **Figure 10** shows the historical pumping water levels for each respective well.

II.4 Annual Raw Water Sampling

Per Permit Provision No. 41 of Permit Amendment No. 1910060PA-002, LPVCWD is required to collect samples from Well No. 5 (or Well No. 2 or No. 3) in accordance with the raw water monitoring schedule outlined in its OM&M Plan. The raw water monitoring schedule stipulated in Table 3 of the OM&M Plan requires collection of annual samples from Well No. 5 (or Well No. 2 or No. 3) for the analysis of tentatively-identified compounds (TICs) associated with VOCs, semi-volatile organic compounds (SVOCs), and 1,2,3-TCP. The annual water quality samples were collected at Well No. 5 on September 1, 2017. VOC TICs and 1,2,3-TCP were not detected in Well No. 5, however, SVOC TIC Cyclotetradecane and an Unknown #1 were detected (see **Table 13**).

II.5 Upgradient Surveillance Wells

Per Permit Provision No. 55 of Permit Amendment No. 1910060PA-002, LPVCWD is required to provide an evaluation and technical review of the water quality data gathered from the upgradient surveillance wells and discuss any changes in the characteristics of the plume and the possible impact to the Treatment Facility. The upgradient surveillance wells associated with the Treatment Facility are the San Gabriel Valley Water Company (SGVWC) Well B6C and the Valley County Water District (VCWD) Big Dalton Well. SGVWC Well B6C is located within a 5-year capture zone while VCWD Big Dalton Well is located beyond a 20-year capture zone. Water quality samples were collected at the VCWD Big Dalton Well on September 12, 2017. ***However, samples for Well B6C could not be collected since the water table is lower than the pump bowls.***

A summary of detected contaminants in 2016-2017 at the upgradient surveillance wells is shown on **Table 14**. A review of the water quality data shows all of the contaminants detected at VCWD Big Dalton Well have been previously detected at one point by LPVCWD Well No. 2, No. 3, and/or No. 5. In addition, butylated hydroxytoluene SVOC TIC was detected in the Big Dalton Well.

None of the contaminants of concern detected at VCWD Big Dalton Well have a concentration higher than the historic highest concentrations from prior source monitoring of Well No. 2, No. 3, or No. 5, except for Nitrate. Nitrate as N was detected at 17 mg/l at VCWD Big Dalton Well (shallow zone at 275 feet below ground surface) and 16 mg/l at VCWD Big Dalton Well (deeper zone at 410 feet below ground surface), which are higher than the historic highest Nitrate concentrations as N from prior source monitoring of Wells No. 2 (9.5 mg/l), No. 3 (10 mg/l), and No. 5 (7.9 mg/l). Acknowledging that Wells No. 2, No. 3, and No. 5 are perforated deeper than SGVWC Well B6C and VCWD Big Dalton Well, LPVCWD will continue to review and monitor Nitrate data in future sampling events.

II.5.1 Historical Levels for Big Dalton Well at 275'

Table 15 shows and list the historical levels of contaminants of concern along with VOC and SVOC TICs for the Big Dalton Well at 275'. The table is color formatted to display contaminant levels below their respective MCL's in green, half the MCL in yellow, and levels at or above the MCL in red. Analyzing the historical data for the contaminants listed, all of the contaminants of concern are below the historic highest concentrations detected at LPVCWD's Well No. 2, No. 3, and No. 5, except for Nitrate. Nitrate levels have been slightly increasing since 2007-2008 with levels ranging from 12.2-18 mg/l. In regards to VOC and SVOC TICs, all TICs listed indicate irregular detections of contaminants with the exception of the SVOC TIC butylated hydroxytoluene. Butylated hydroxytoluene has been detected consistently at the Big Dalton Well (at 275') since 2012-2013 with levels ranging from 2.8-11 ug/l. LPVCWD will continue to review and monitor Nitrate and butylated hydroxytoluene to address any possible impacts to the Treatment Facility.

II.5.2 Historical Levels for Big Dalton Well at 410'

Table 16 shows and list the historical levels of contaminants of concern along with VOC and SVOC TICs for the Big Dalton Well at 410'. The table is color formatted to display contaminant levels below their respective MCL's in green, half the MCL in yellow, and levels at or above the MCL in red. Analyzing the historical data for the contaminants listed, all of the contaminants of concern are below the historic highest concentrations detected at LPVCWD's Well No. 2, No. 3, and No. 5, except for Nitrate. Nitrate levels have been slightly increasing since 2007-2008 with levels ranging from 11.9-16 mg/l. In regards to VOC and SVOC TICs, all TICs listed indicate irregular detections of contaminants at the Big Dalton Well (at 410'). LPVCWD will continue to review and monitor Nitrate to address any possible impacts to the Treatment Facility.

II.5.3 Historical Levels for Well B6C

Table 17 shows and list the historical levels of contaminants of concern along with VOC and SVOC TICs for Well B6C. The table is color formatted to display contaminant levels below their respective MCL's in green, half the MCL in yellow, and levels at or above the MCL in red. Analyzing the historical data for the contaminants listed, all of the contaminants of concern are below the historic highest concentrations detected at LPVCWD's Well No. 2, No. 3, and No. 5, except for Nitrate. Nitrate levels have been slightly increasing since 2007-2008 with levels ranging from 3.8-22 mg/l. In regards to VOC and SVOC TICs, all TICs listed indicate irregular detections of contaminants at Well B6C. LPVCWD will continue to review and monitor Nitrate to address any possible impacts to the Treatment Facility.

II.6 Conclusions

The maximum concentrations of contaminants detected in raw water between August 1, 2016 and July 31, 2017 at Wells No. 2, No. 3, and No. 5 are all below or equal to the

historic highest concentrations from prior source monitoring with the exception of Nitrate. Nitrate at Well No. 3 was recorded at 10 mg/l vs. the historical high of 9.7 mg/l, and at 7.9 mg/l vs. the historical high of 7.5 mg/l for Well No. 5. However, as previously stated, lab inconsistencies were a factor for said results when analyzed using the EPA 300 method. As a result, LPVCWD instructed the lab to analyze Nitrate using the EPA 353.2 method.

Raw water quality data from August 1, 2016 to July 31, 2017 indicate the following:

- Well No. 2 - Contaminant concentrations appear to be on a stable trend with the exception of TCE and Nitrate (slight increases).
- Well No. 3 - Contaminant concentrations appear to be on a stabilized trend with the exception of Nitrate (slight increase).
- Well No. 5 - Contaminant concentrations appear to be on an overall stabilized trend.

Long-term contaminant concentration trends in raw water since the Treatment Facility began operation (March 1, 2001) indicate the following:

- Long-term TCE concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2009, however in 2012, concentrations stabilized and then began (and continue) decreasing since 2013. In addition, Wells No. 3 and No. 5 continue on a decreasing trend.
- Long-term PCE concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2012, however in 2013, concentrations began to stabilize and continue on a steady trend. In addition, Wells No. 3 and No. 5 continue on a decreasing trend.
- Long-term CTC concentrations in raw water appear to be on a decreasing trend for Wells No. 2 and No. 5. Additionally, Well No. 3 has maintained Non-Detect levels since early 2011.

- Long-term 1,2-DCA concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2010, however in 2011, concentrations stabilized and began a slight decreasing trend since 2013. In addition, Well No. 5 continues on a decreasing trend and Well No. 3 on stabilized Non-Detect levels since early 2009.
- Long-term Perchlorate concentrations in raw water appeared to be on an increasing trend for Well No. 2 through 2011, however in 2012, concentrations stabilized and presently continue on a slight decreasing trend. Wells No. 3 on and No. 5 appeared to be on decreasing trends that have presently stabilized.
- Long-term Nitrate (as NO3) concentrations in raw water appear to be on an increasing trend for Wells No. 2 and No. 3. In addition, Well No. 5 appears to be on a slight increasing trend.
- Long-term NDMA concentrations in raw water appear to be on a decreasing trend for Wells No. 3 and No. 5. Well No. 2 concentrations were on an increasing trend through 2010, however in 2011 concentrations stabilized and presently continue on a slight decreasing trend.
- Long-term 1,4-Dioxane concentrations in raw water were on a decreasing trend that stabilized to Non-Detect levels in 2010 and 2013 for Wells No. 3 and No. 5, respectively. Well No. 2 concentrations were on an increasing trend through 2012, however in 2013 concentrations stabilized and continue on a stable to slight decreasing trend.

Annual raw water quality results for 1,2,3-TCP and TICs associated with VOCs and SVOCs were Non-Detect in the annual water quality samples collected from Well No. 5 with the exception of SVOC TICs Cyclotetradecane and an Unknown #1 were detected.

As previously mentioned, samples for Well B6C could not be collected since the Well is currently dry. Upgradient monitoring well results for VCWD Big Dalton Well indicate that the contaminants detected at the Big Dalton Well have been detected at some point by either LPVCWD Well No. 2, No. 3, and/or No. 5. In addition, butylated hydroxytoluene was detected in the Big Dalton Well. Butylated hydroxytoluene has been detected

consistently at the Big Dalton Well (at 275') since 2012-2013 with levels ranging from 2.8-11 ug/l. Nitrate was the only contaminant detected at the upgradient wells with a concentration higher than the historic highest concentrations from prior source monitoring of Well No. 2, No. 3, or No. 5. As previously stated, LPVCWD will continue to review and monitor Nitrate and butylated hydroxytoluene to address any possible impacts to the Treatment Facility.

SECTION III
TREATMENT FACILITY OPERATIONAL PERFORMANCE

The purpose of this section is to summarize the overall operational performance of the Treatment Facility and each of its components.

III.1 Description of Operation & Production

During the operational period of August 1, 2016 to July 31, 2017, the primary source of supply to the Treatment Facility came from Well No. 5. Periodically, Wells No. 2 and No. 3 were used as a source of supply to facilitate water quality sample collections to maintain both wells "Active" with the DDW. The average groundwater production during this period was 295.1 acre-feet per month (AF/month), as shown on **Table 1**.

III.1.1 Quantity Treated/Treatment Plant Efficiency

Between August 1, 2016 and July 31, 2017, groundwater production at Well No. 2, No. 3, and No. 5 was 78 AF, 94 AF and 3,368 AF, respectively, for a total of 3,540 AF (production data for Well No. 2, No. 3, and No. 5 are included in **Table 1**). The minimum total monthly production from the Treatment Facility was 261 AF in February 2017 and the maximum total monthly production from the Treatment Facility was 313 AF in October 2016.

Treated water samples are collected weekly at sampling location SP-6 (see **Diagram 1**) and analyzed for TCE, PCE, CTC, 1,2-DCA, Perchlorate, NDMA, and 1,4-Dioxane. **Table 11** list monthly average results of treated samples taken during August 1, 2016 and July 31, 2017. All sample results reported non-detect levels indicating an overall treatment efficiency of 100% for all contaminant concentrations. In addition, water samples are taken on a weekly basis and analyzed for Nitrate at SP-10. **Table 11A** list results of effluent Nitrate levels along with the average of 7.3 mg/l, max of 9 mg/l and min of 6.8 mg/l.

III.2 Description of VOC Treatment Facility (Air Strippers)

Groundwater from Well No. 5 (Well No. 2 and/or No. 3 if used) is pumped to the top of each air stripping tower and flows over the packing material were VOCs are transferred from the water to the air flowing in a counter-current direction. The VOCs in the air are then removed by the activated carbon vessels and the remaining clean air is released to the atmosphere. Air Stripper No.1 has an off-gas control unit with about 7,000 pounds of granular activated carbon (GAC) and Air Stripper No. 2 has an off-gas control unit containing about 20,400 pounds of GAC. Air stripping towers No. 1 and No. 2 were designed for a maximum flow rate of 1,500 gpm with minimum 30:1 volumetric air to water ratio for air stripping tower No. 1 and 60:1 for air stripping tower No. 2. Both air stripping towers were designed to reduce VOCs in raw water to below non-detectable levels.

III.2.1 Operational Modifications/Maintenance

The vapor phase GAC removal and the loading of the adsorber vessels with correct quantity of fresh activated carbon for both Air Strippers occurred on September 7, 2016 as summarized below:

- Contractor – Carbon Activated Corporation
- Carbon Type – Coconut Shell
- Mesh Size – 4 x 8
- Quantity – 27,400 lbs. (Approximately)

III.3 Description of Perchlorate Treatment Facility (SPIX)

The Single Pass Ion Exchange (SPIX) unit consists of two parallel trains of two ion exchange vessels in series lead-lag configuration for a total of four vessels. Equal flow is maintained through each pair of ion exchange vessels. A flow meter is provided to allow

the flow to each ion exchange vessel pair to be set using a butterfly valve. The Treatment Facility is currently designed to treat up to 2,500 gpm of flow (1,250 gpm per pair of vessels). The single pass ion exchange treatment unit is designed to reduce the concentration of perchlorate in raw water to at least below detection. The SPIX is a manually controlled and operated system. Once the resin in the SPIX vessel is exhausted a resin change out is implemented where the resin in the lead vessel is replaced with fresh resin, the lag vessel is switched to become the lead vessel, the vessel with the fresh resin now becomes the lag vessel, and the spent resin is sent for disposal.

III.3.1 Operational Modifications/Maintenance

The SPIX resin removal and the loading of ion exchange vessels with specified ion exchange resin occurred on November 9, 2016, February 2, 2017 and June 12, 2017 as summarized below:

- Contractor – Evoqua Water Technologies
- Resin Type – Dowex PSR-2
- Resin Structure – Gel
- Quantity – 424 ft^3
- Bed Volume Guarantee – 95,000

III.4 Description of NDMA & 1,4-Dioxane Treatment Facility (UVTerra)

The UVTerra system consists of two reactor modules running in parallel and a process control system. Each UVTerra reactor contains a total of six rotational units and one additional unit for operational flexibility. Each rotational unit consists of a 4-lamp by 16-lamp, non-staggered array of ultra-violet (UV) lamps. Each reactor contains 384 (6x4x16) UV lamps. Destruction of 1,4-Dioxane requires the addition of hydrogen peroxide, which forms hydroxyl radicals in water. Under the influence of UV light, the hydroxyl radicals oxidize 1,4-Dioxane. NDMA is destroyed by direct photolysis when exposed to UV light

and is also enhanced by the addition of hydrogen peroxide. Based on a full-scale demonstration test conducted in November 2001, Trojan recommended that each of the two reactors could treat up to 1,250 gpm of flow with four rotational units turned-on. This configuration can treat NDMA and 1,4-Dioxane from up to 1,500 ng/l and 3.4 µg/l, respectively, to non-detectable levels with about 2.5 mg/l of hydrogen peroxide added to the reactors.

III.4.1 Operational Modifications/ Maintenance

The UV Terra system is inspected and maintained by Trojan UV Certified Service. Trojan certified service technicians quarterly inspect and perform preventative maintenance. The following repair activities were performed as follows:

September 28, 2016 – Trojan UV Certified Service

- Replaced Lamps: RU 2A module 1, lamp 1; RU 2B module 4, lamp 15; RU 2F module 3, lamp 15
- RU 2C Module 2 - Replaced lamp holder, lamp and sleeve for lamp #5
- RU 1D Module 1 - Replaced lamp holder, lamp and sleeve for lamp #3

December 5, 2016 – Trojan UV Certified Service

- Replaced Lamps: RU 2C module 3, lamp 4; RU 2B module 4, lamp 16; RU 2D module 4, lamp 9
- RU 2C Module 2 - Replaced lamp holder, lamp and sleeve for lamp #5
- RU 1D Module 1 - Replaced lamp holder, lamp and sleeve for lamp #3

February 2017 – Trojan UV Certified Service

- Train 1, RU D, Module 1 - Replaced lamp holder, lamp and sleeve on #3
- Train 2, RU D, Module 2 - Replaced lamp holder, lamp and sleeve on #4
- Train 2, RU C, Module 2 - Replaced module board for lamps 9-16 and lamp #4

III.5 Treatment Facility Operational Incidents

During August 1, 2016 through July 31, 2017, a number of operational incidents occurred that prompted corrective actions at the Treatment Facility. **Table 12** list all operational incidents along with the date, time, and corrective action taken.

III.6 Planned Activities

III.6.1 Air Stripper Performance Evaluation and Test Protocol

Buildup of pressure in the off-gas system of Air Stripper #2 limits air flow rate through the unit, which proportionally results in a lower water flow rate to maintain the air-to- water ratio of 60:1. This impacts the capacity of the entire treatment facility by lowering the overall capacity from 2,500 gpm down to 2,200 gpm.

The objective of the evaluation and test protocol was to determine if Air Stripper #2 can be operated at a lower air-to-water (A:W) ratio without an impact to the effectiveness to remove all target VOCs from the feed water.

The test protocol was carried out by LPVCWD, with the approval of DDW, during July and August of 2017. All sample results analyzed for VOC's at lower air-water-ratio (lowest was 40:1) demonstrated that Air Stripper #2 effectively removed all target VOCs from the feed water. After discussion and review with the DDW, LPVCWD will move forward with a permit amendment request.

III.6.2 Chemical Dosage Evaluation

The dosing with chemicals used to adjust pH and the addition of ortho-polyphosphate to prevent the potential occurrence of "red water" is being reevaluated given the transition

from ISEP to SPIX. Evaluations have been postponed to start late 2017 to early 2018. Any mutually agreed changes resulting from the evaluations will be presented for review and approval by the DDW before implementation.

III.6.3 LPUV Systems Evaluation

The effectiveness of the LPUV/Oxidation (or advanced oxidation) will be evaluated, with the goal of optimizing performance. Possible actions will include: reducing the number of operating lamps; increasing the time lamps remain in service, and reducing hydrogen peroxide dosage.

LPVCWD will coordinate with Trojan Technologies in the next coming months to provide an analysis of the AOP operational conditions through water samples upstream of UV prior to the addition of hydrogen peroxide. Any mutually agreed changes resulting from the evaluations will be presented for review and approval by the DDW before implementation.

III.6.4 Nitrate Blending Plan

Provided the levels of Nitrate at Well #3 and as previously stated, Well No. 3 raw water is always blended with Well No. 2 water when in operation. To formalize this operation, a Nitrate Blending Plan will be drafted to blend Well #3 water with either Well #2 or Well #5. LPVCWD plans to draft the blending plan this year and submit an initial draft copy to the DDW by late 2017 or early 2018 for review, comment and approval.

III.6.5 PSR2 Plus (SPIX Resin)

A pilot test for Evoqua's PSR2 Plus resin is planned to start during late 2017 to early 2018. The objective of the pilot is to demonstrate that the PSR2 Plus has as good as or

better throughput than PSR-2 (current resin used) with the endpoint is 4 ppb on a single (lead) column for treatment of perchlorate. Concluding the pilot, LPVCWD will provide documentation to the DDW for consideration of permitting as an approved resin option.

III.6.6 Operation, Maintenance and Monitoring Plan Update

The OM & M Plan will be revised associated to the treatment facility will be revised to include new operational changes that are being proposed through a proposed permit amendment. Such changes will include, but not limited to, Air to water ratios, PH goals, approved resin(s) for perchlorate removal, chemical dosing goals, etc.

III.6.7 Application for Permit Amendment

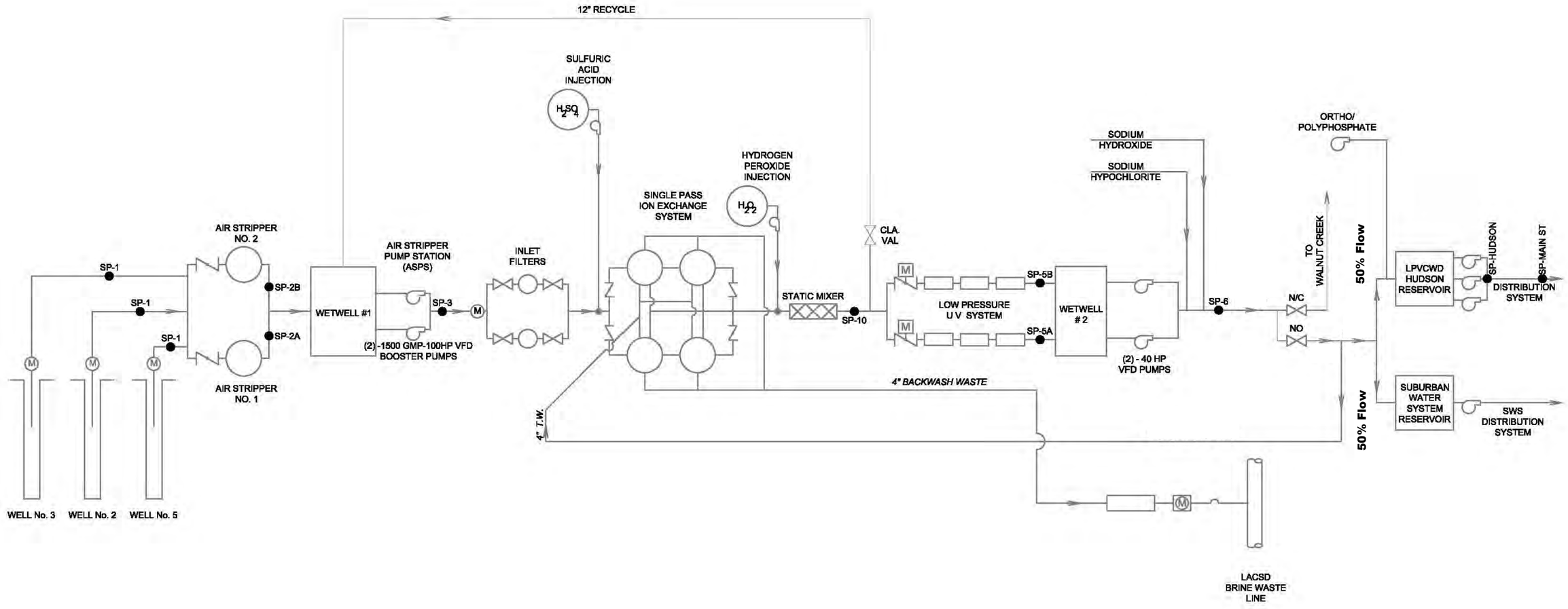
To adequately document all the proposed changes aforementioned, a permit amendment application will be submitted to the DDW to include the proposed Nitrate Blending Plan, Air Stripper #2 lower Air to Water Ratio, approved SPIX resin(s), and any applicable operational changes and/or permit provision clarifications.

III.7 Conclusions

Between August 1, 2016 and July 31, 2017, a total of 3,541 AF of water was treated and 100 percent of Perchlorate, VOCs (TCE, PCE, CTC, 1,2-DCA), NDMA, and 1,4-Dioxane contaminants were removed at the Treatment Facility. In addition, Nitrate concentrations appeared to be stable for Well No. 5 and No. 2 and slightly increasing for Well No. 3. Overall, concentrations remain within the design parameters of the Treatment Facility and no significant foreseeable changes or modifications are needed (with the exception of the planned activities) to the Treatment Facility.

DIAGRAMS

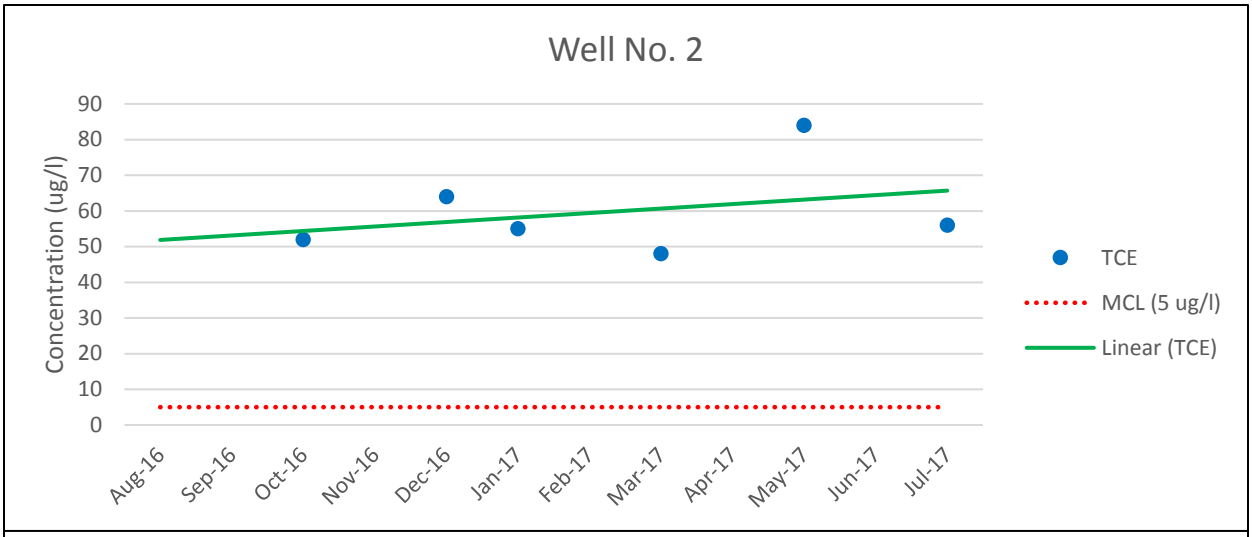
DIAGRAM 1

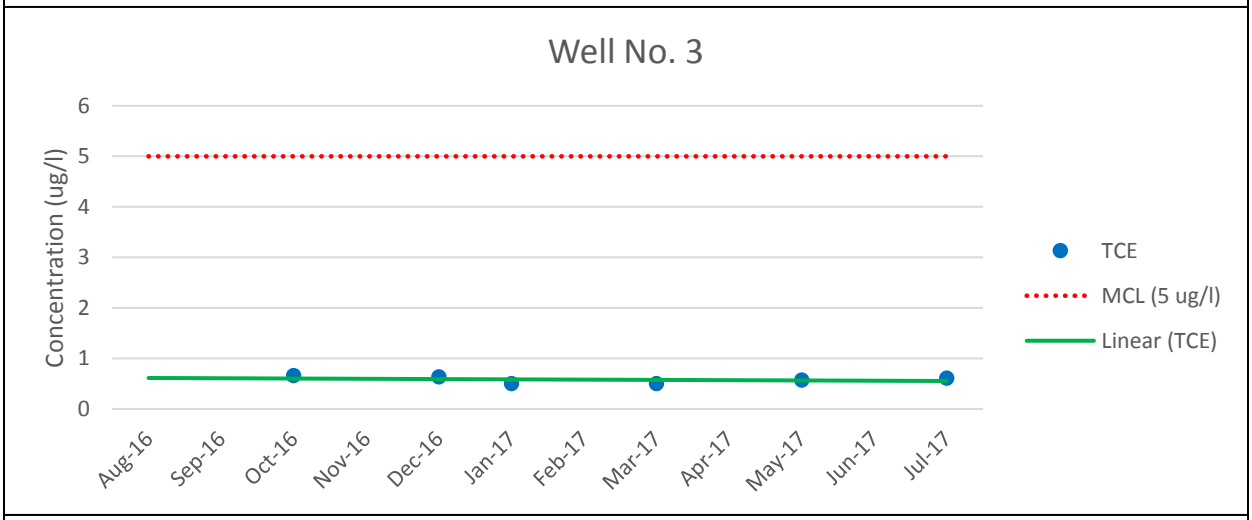


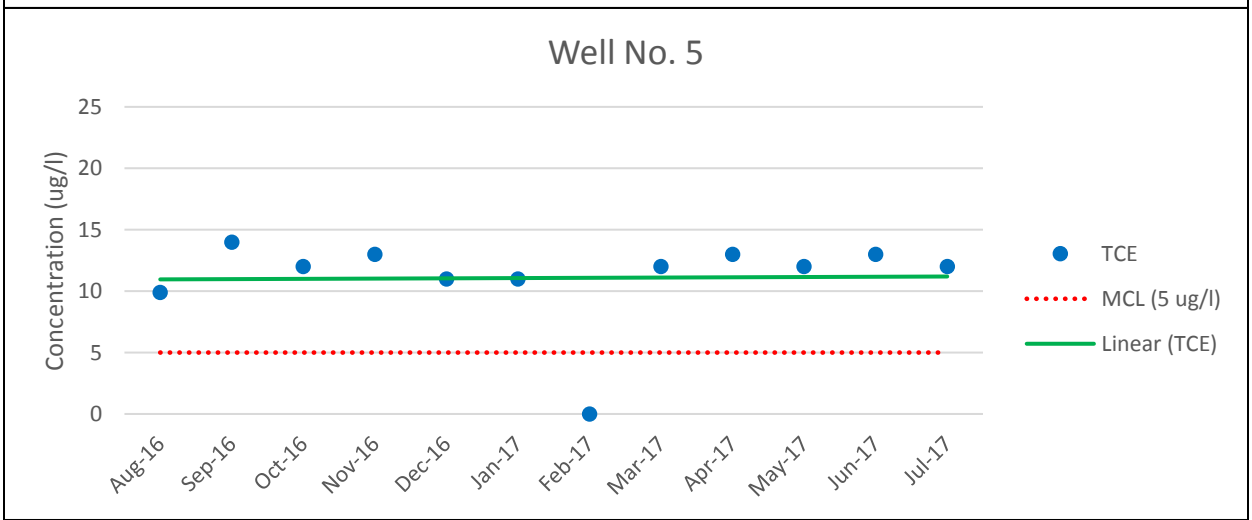
LA PUENTE VALLEY COUNTY WATER DISTRICT

TREATMENT FACILITY PROCESS DIAGRAM

FIGURES



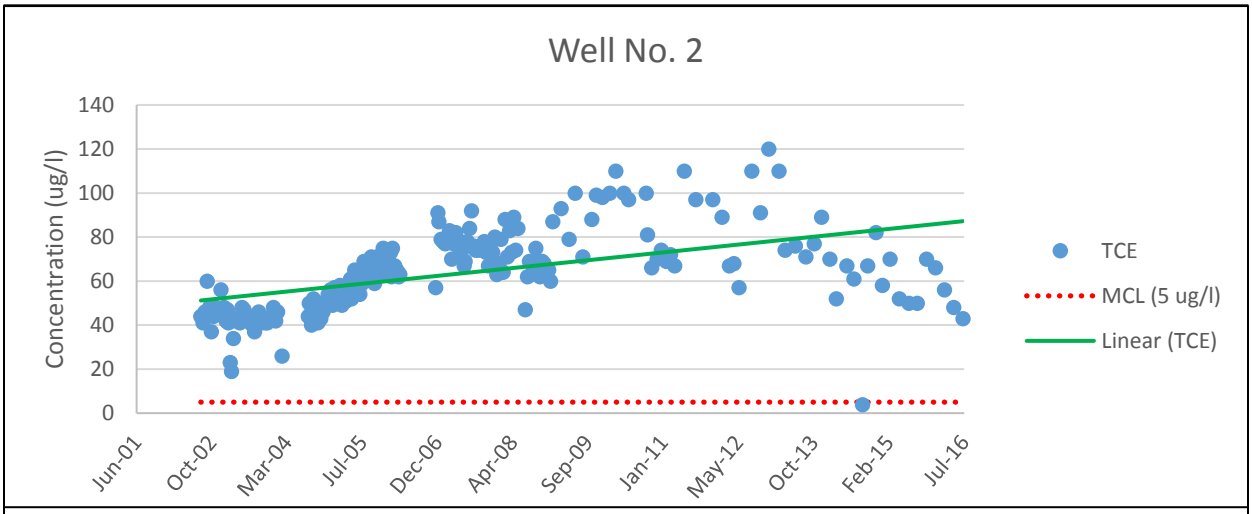


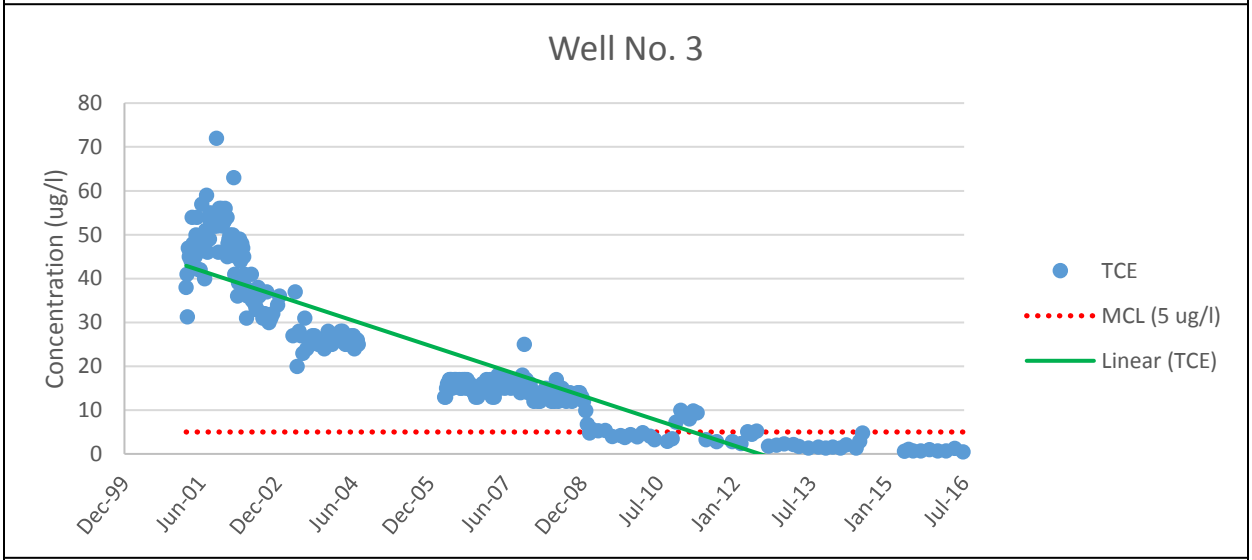


112 N First St.
La Puente, CA 91744

FIGURE 1A

RAW WATER
TRICHLOROETHYLENE (TCE) CONCENTRATIONS
AUGUST 2016 – JULY 2017





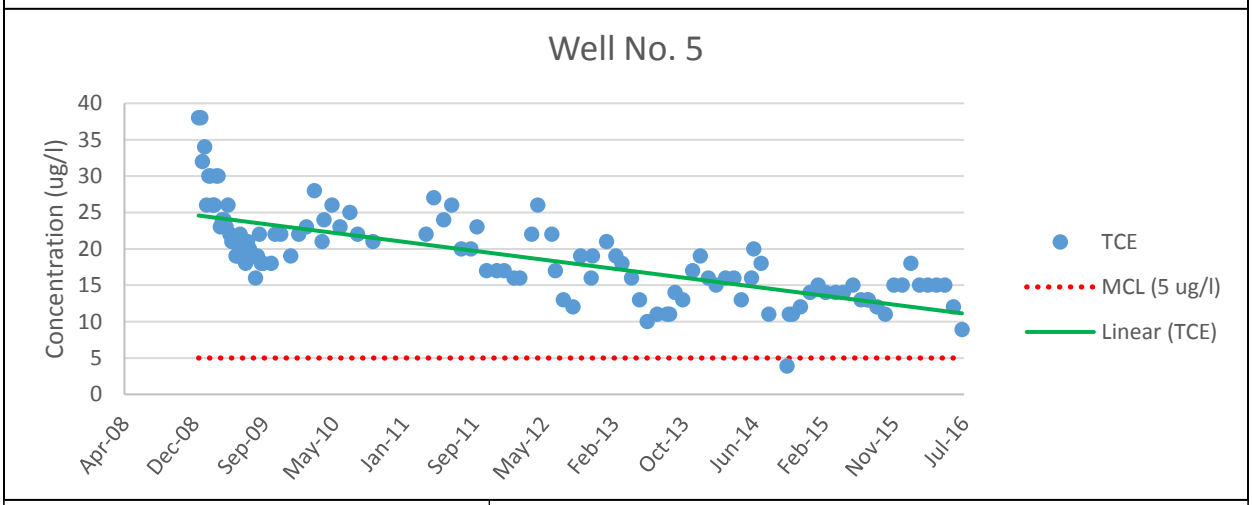


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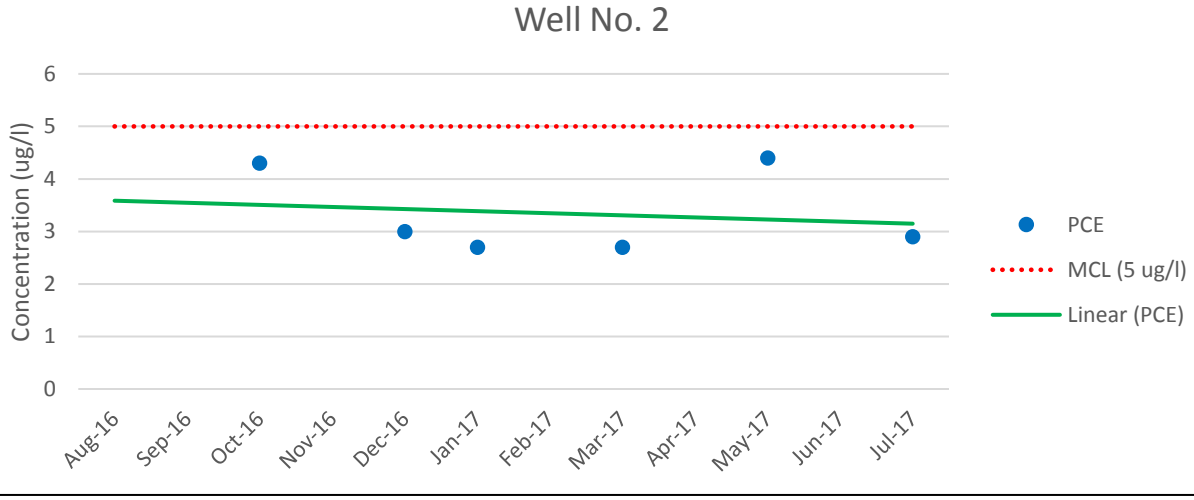
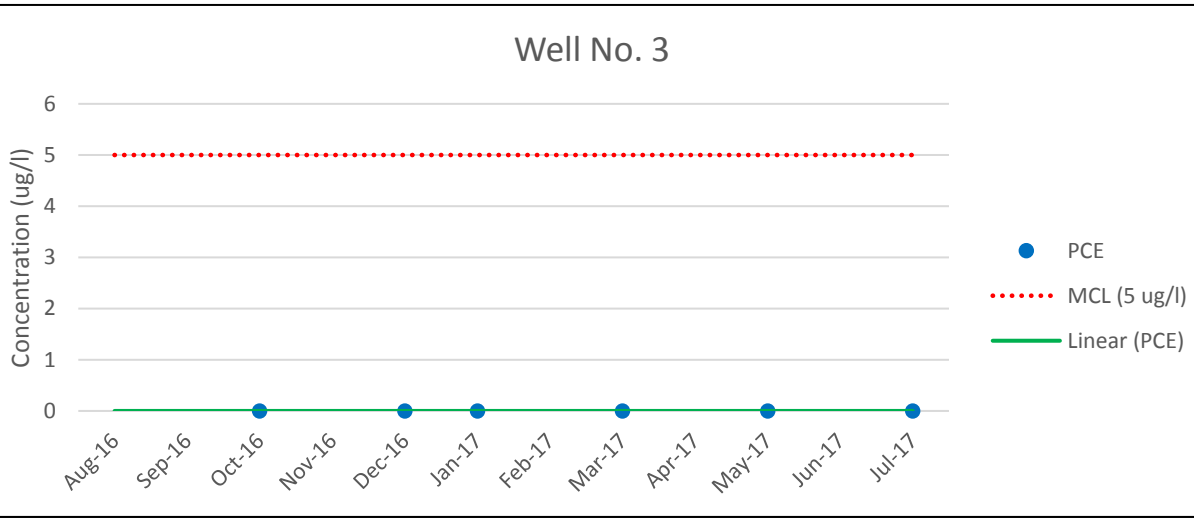
FIGURE 1B

HISTORICAL RAW WATER
TRICHLOROETHYLENE (TCE) CONCENTRATIONS
2001 – 2016





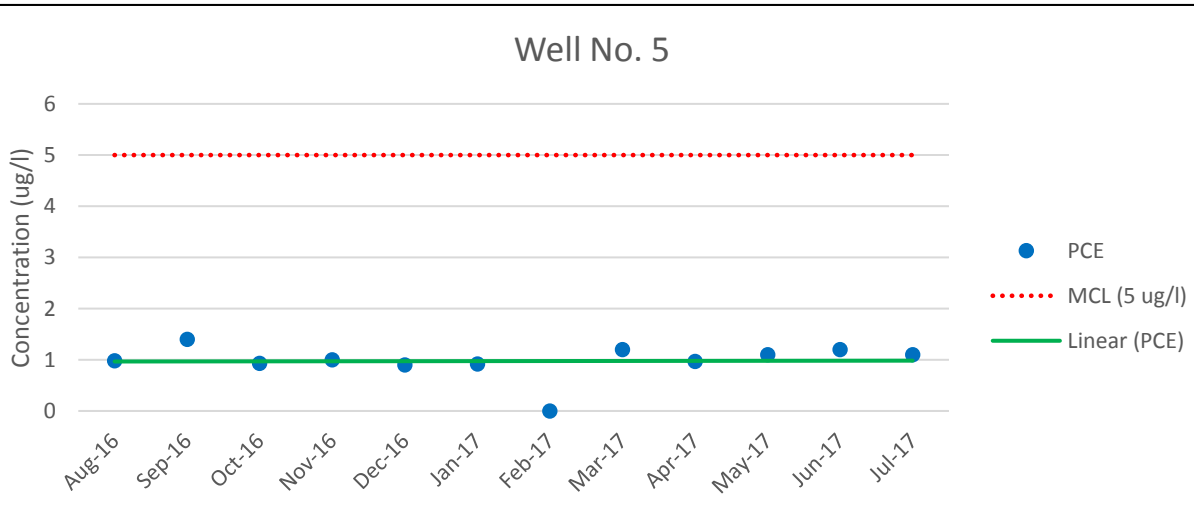


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FIGURE 2A

RAW WATER
TETRACHLOROETHYLENE (PCE) CONCENTRATIONS
AUGUST 2016 – JULY 2017

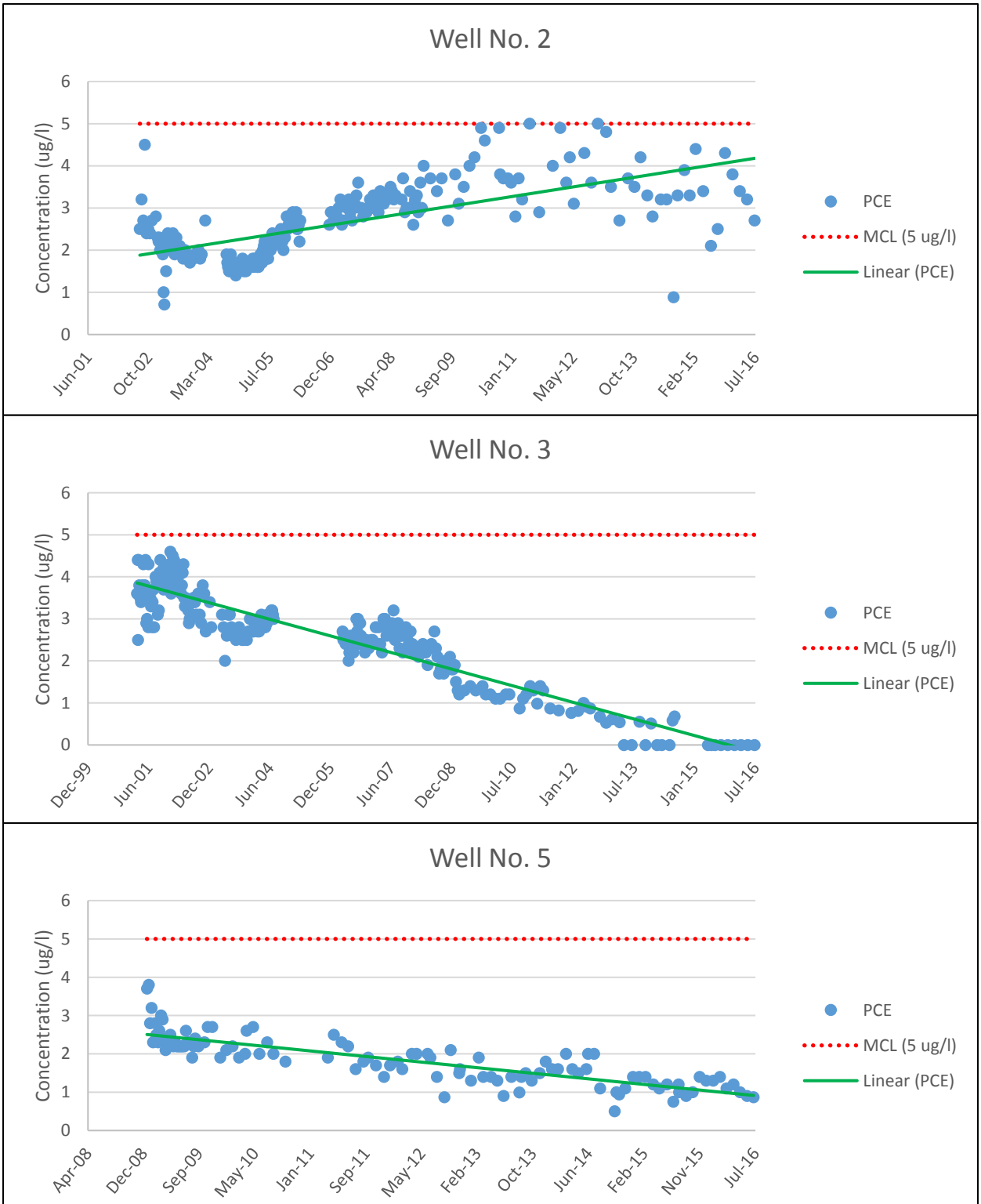

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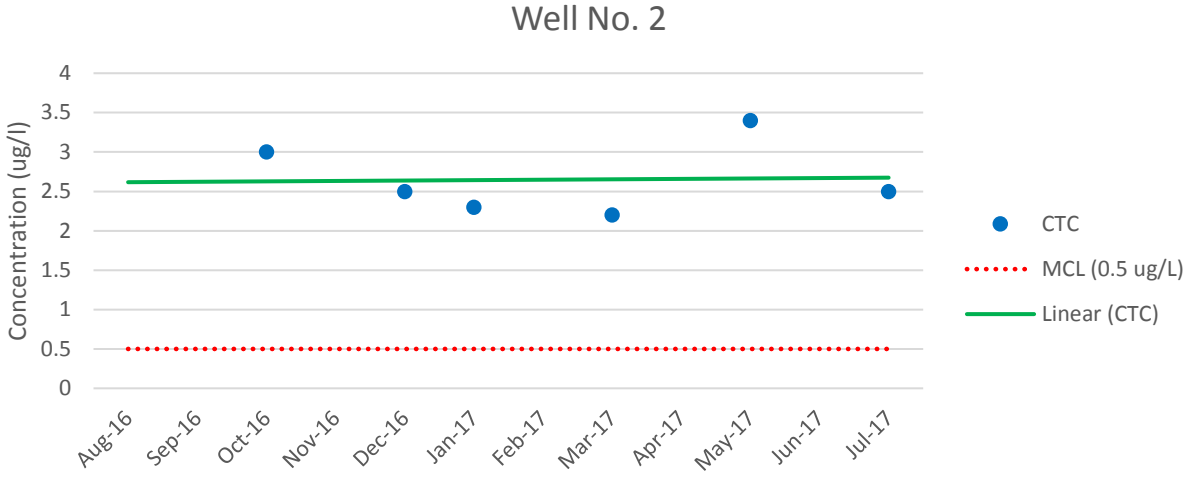
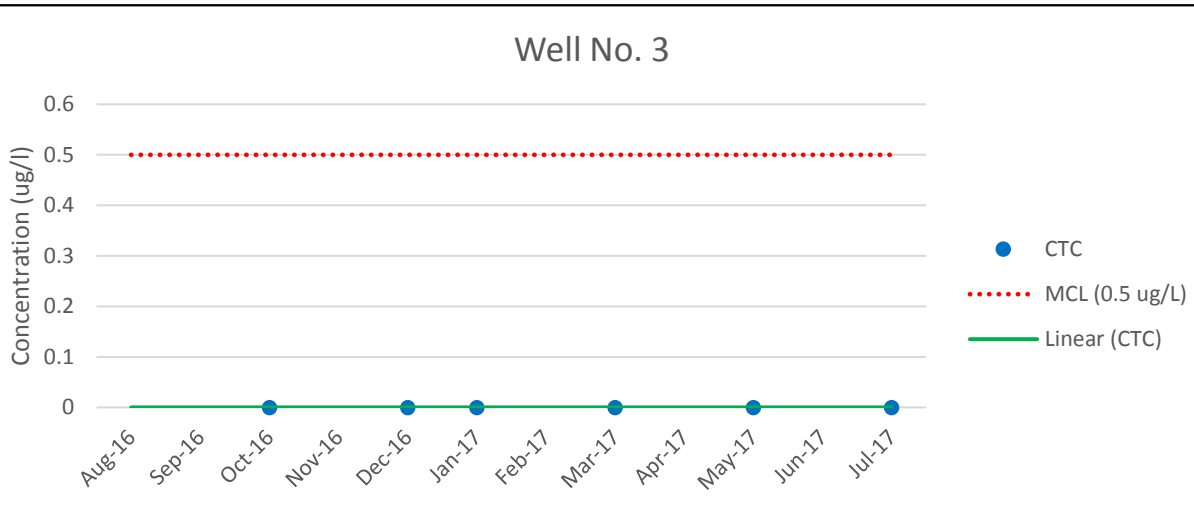
FIGURE 2B

HISTORICAL RAW WATER
TETRACHLOROETHYLENE (PCE) CONCENTRATIONS
2001 – 2016





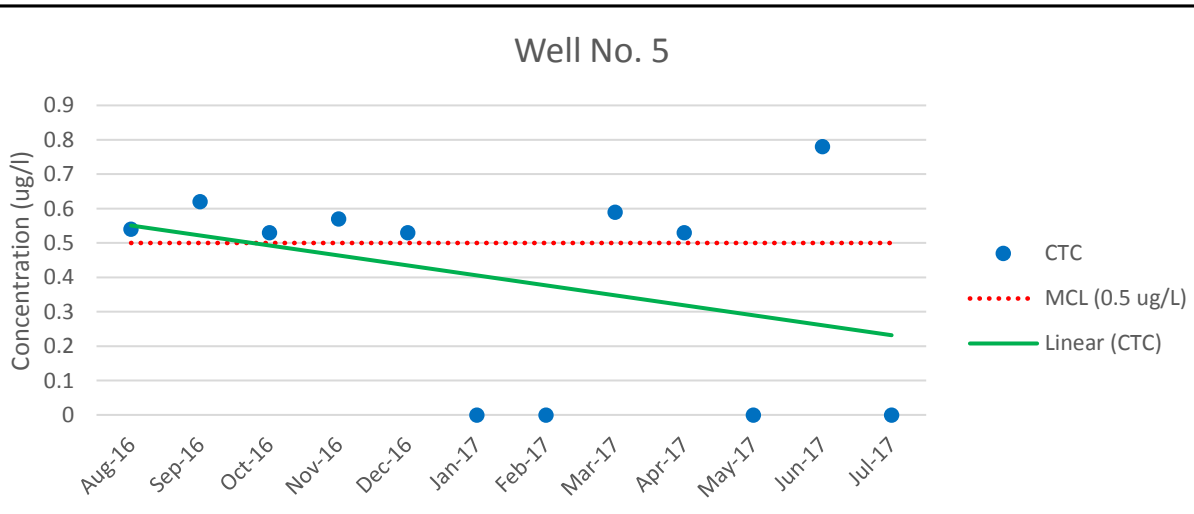


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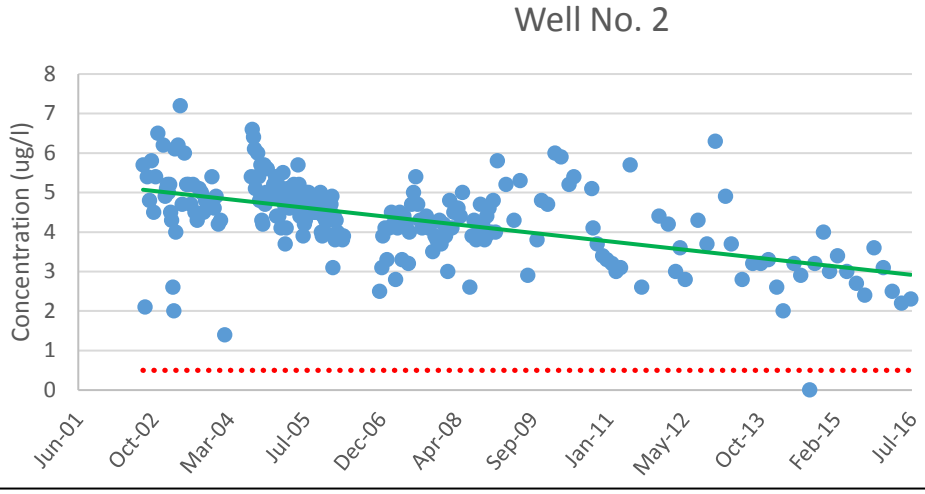
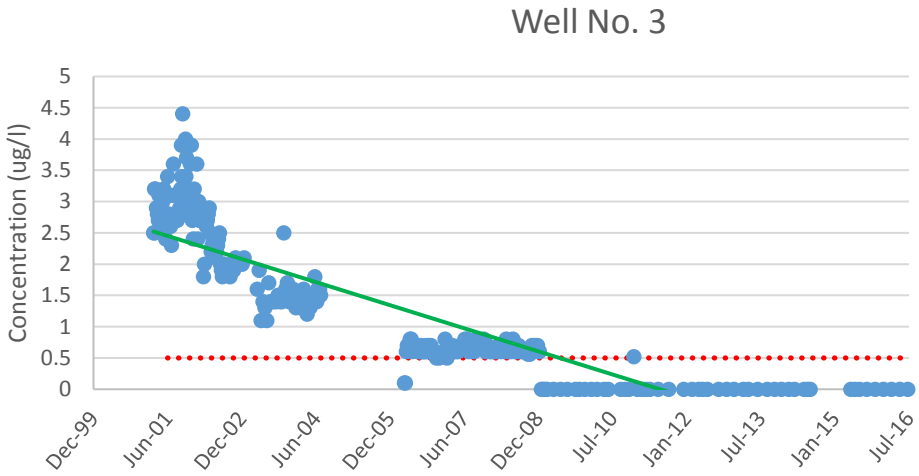
FIGURE 3A

RAW WATER
CARBON TETRACHLORIDE (CTC) CONCENTRATIONS
AUGUST 2016 – JULY 2017





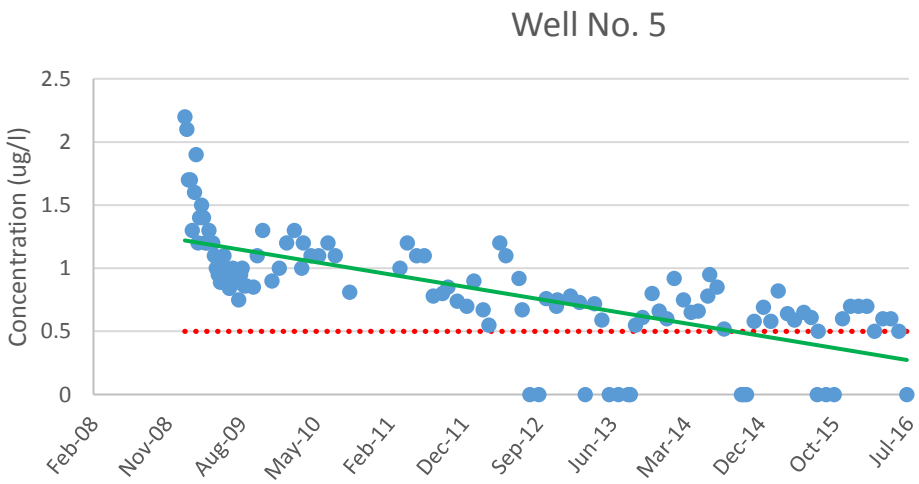


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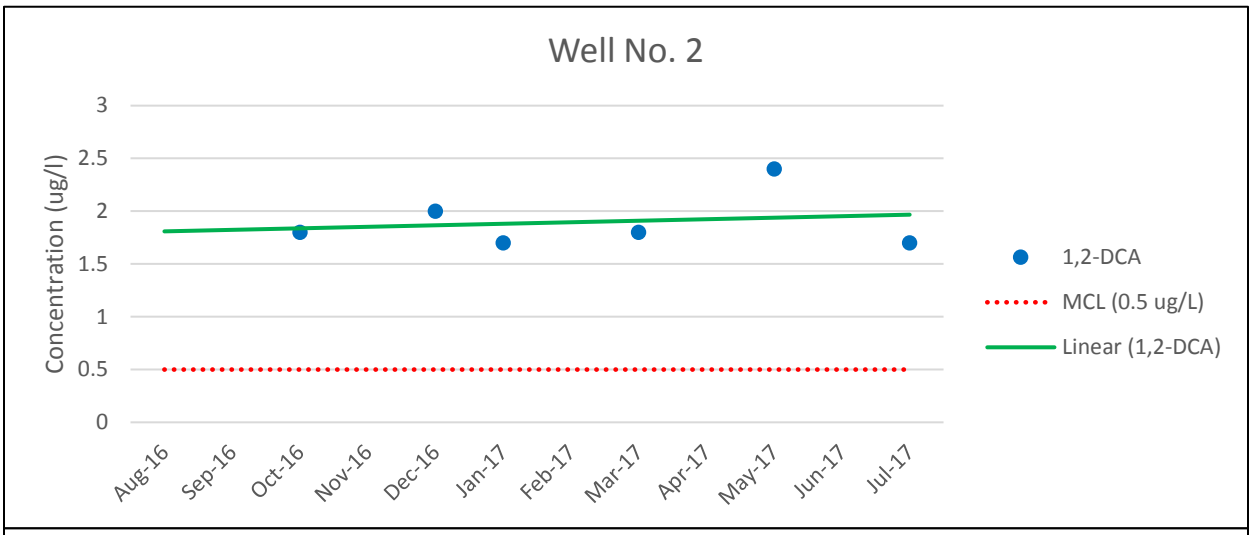
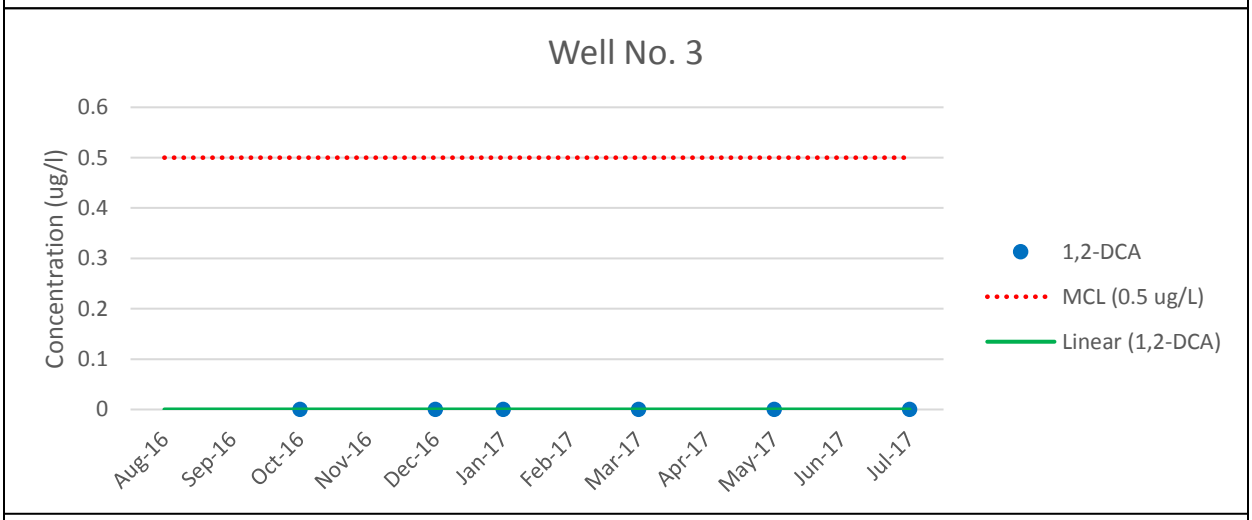
FIGURE 3B

HISTORICAL RAW WATER
CARBON TETRACHLORIDE (CTC) CONCENTRATIONS





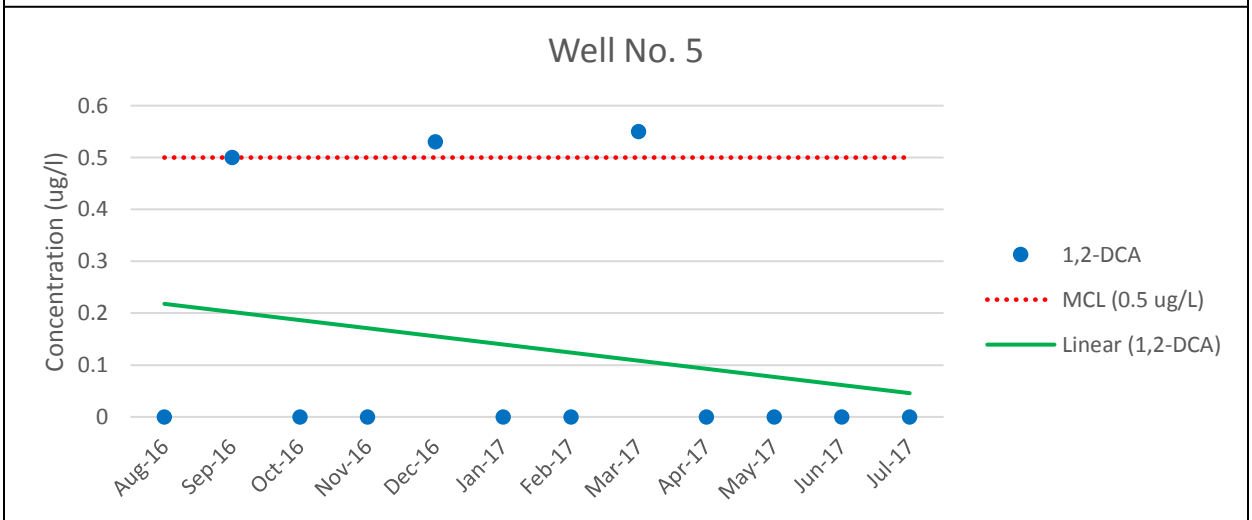


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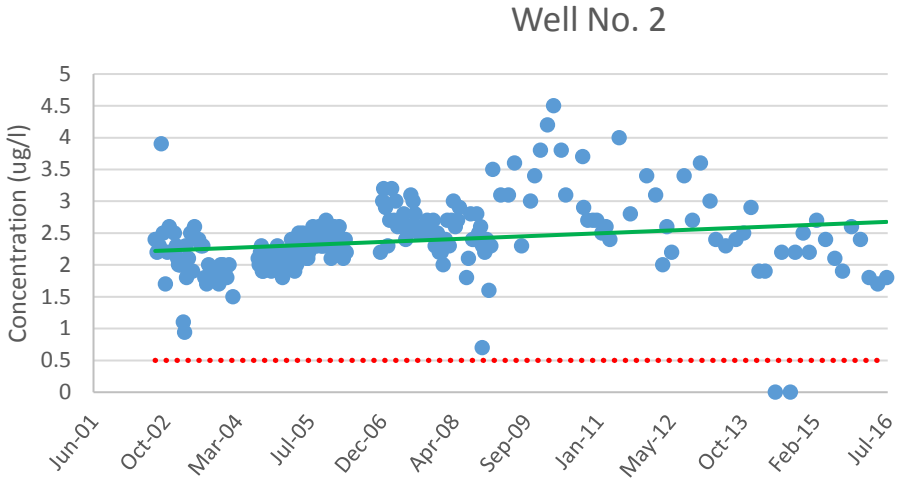
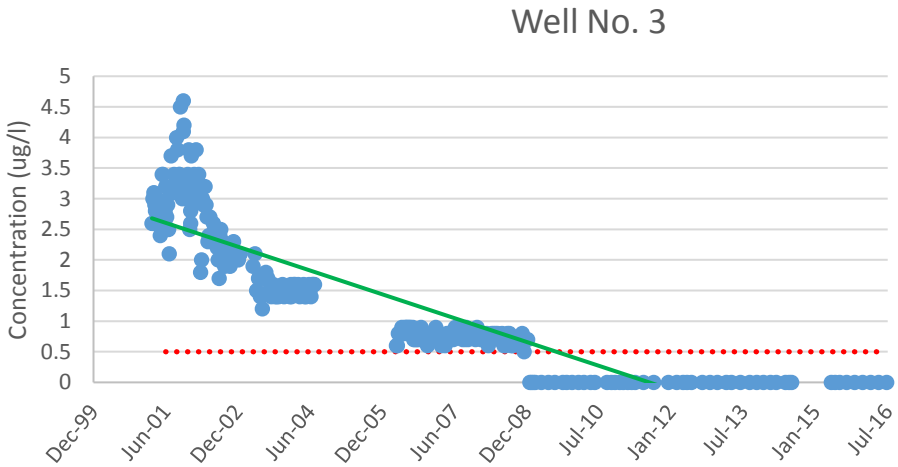
FIGURE 4A

RAW WATER
1,2-DICHLOROETHANE (1,2-DCA) CONCENTRATIONS
AUGUST 2016 – JULY 2017





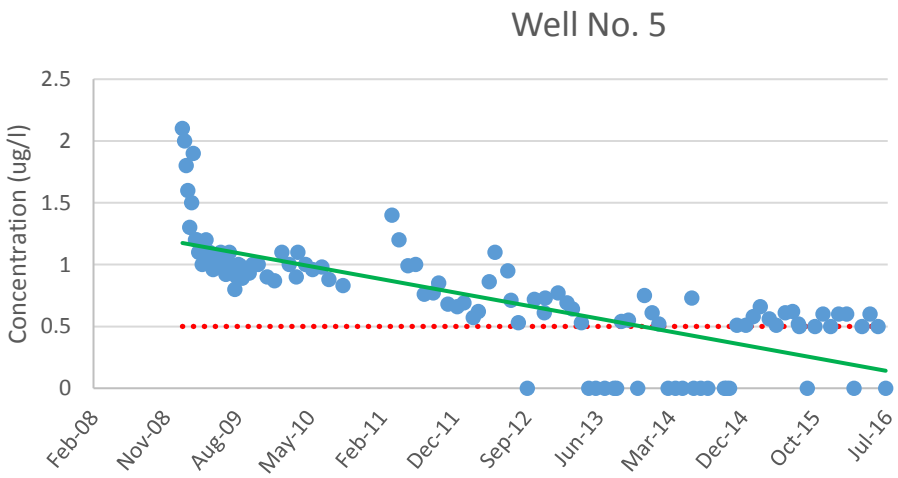


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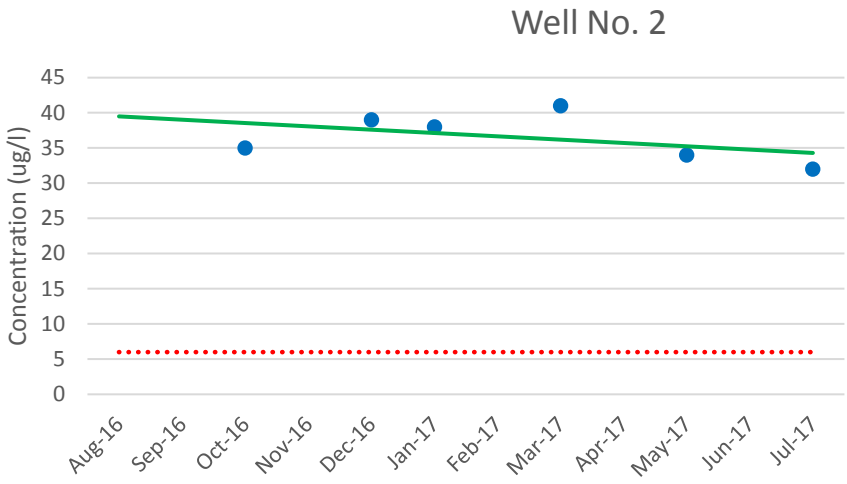
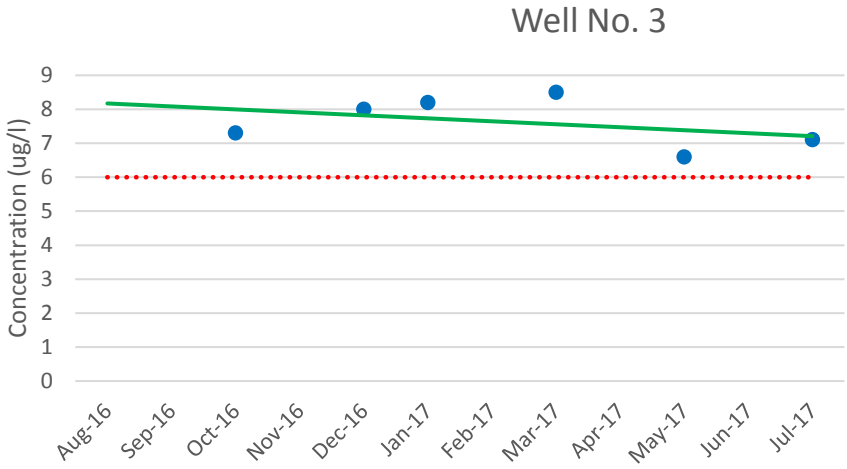
FIGURE 4B

HISTORICAL RAW WATER
1,2-DICHLOROETHANE (1,2-DCA) CONCENTRATIONS





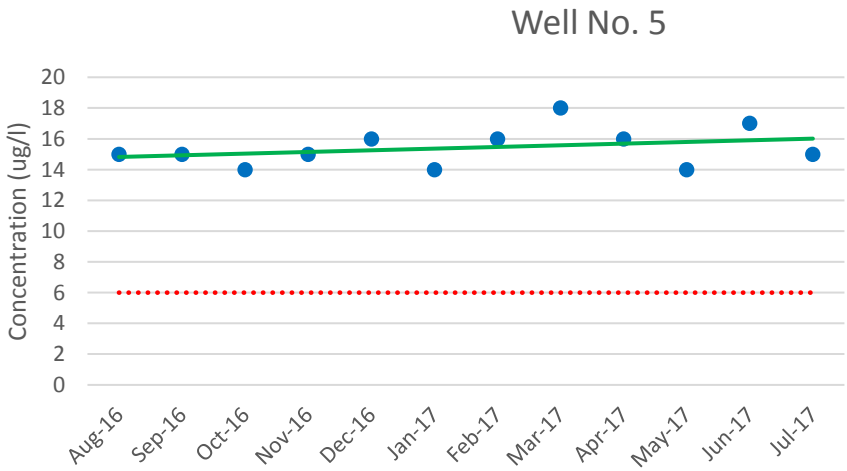


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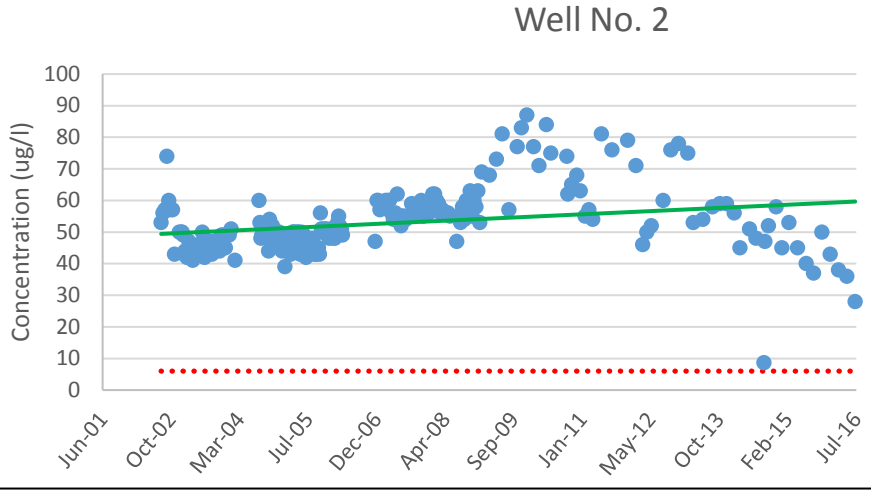
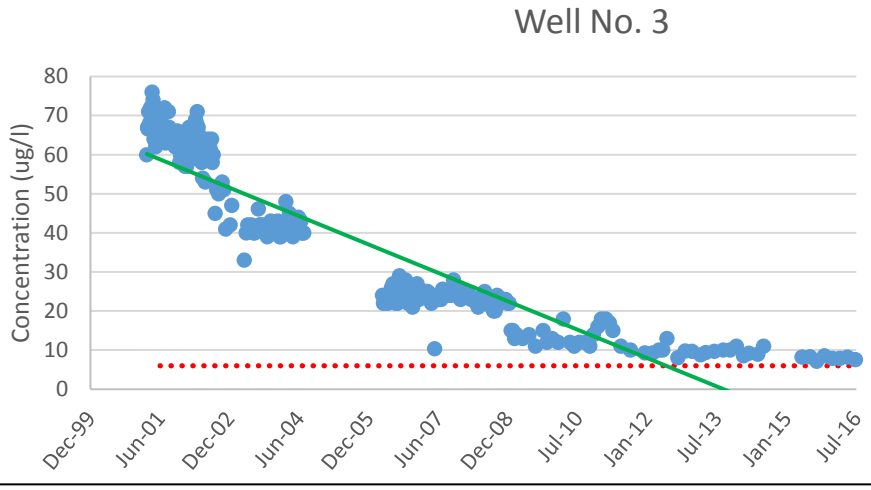
FIGURE 5A
RAW WATER
PERCHLORATE CONCENTRATIONS
AUGUST 2016 – JULY 2017





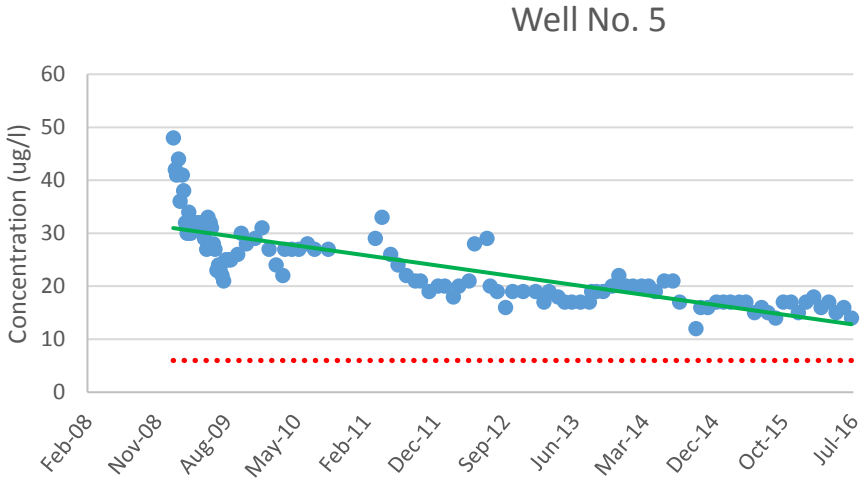


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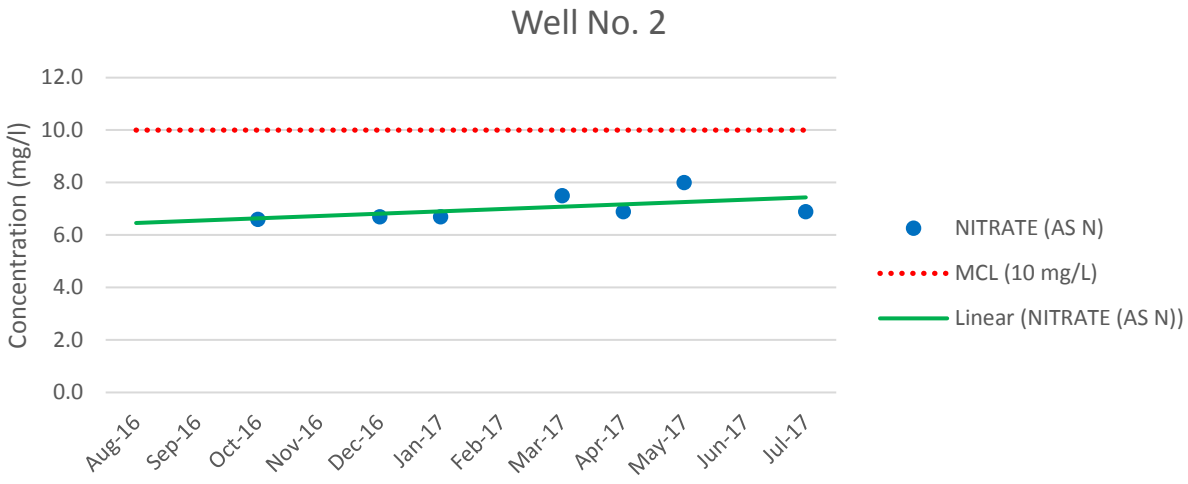
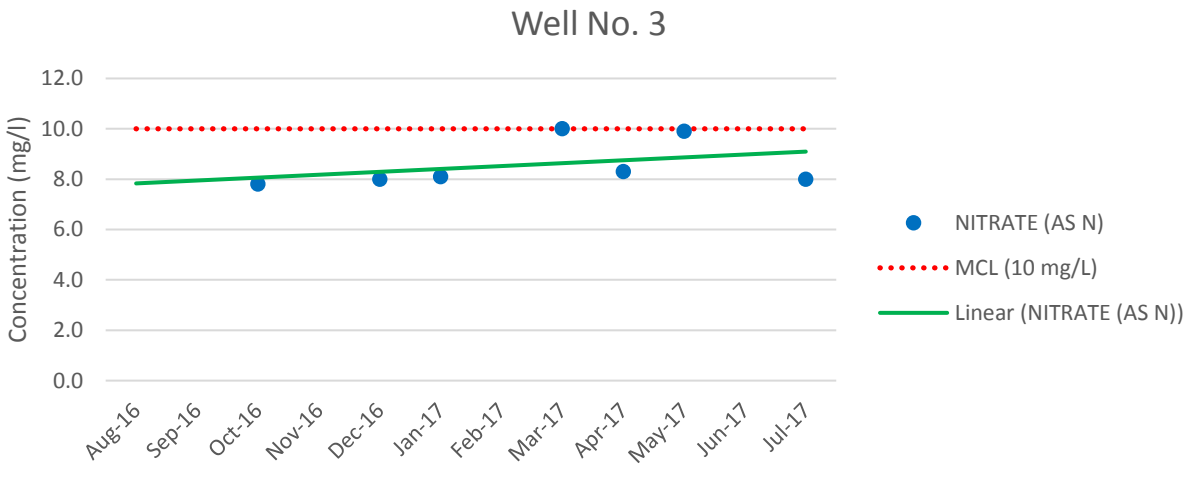
FIGURE 5B
HISTORICAL RAW WATER
PERCHLORATE CONCENTRATIONS





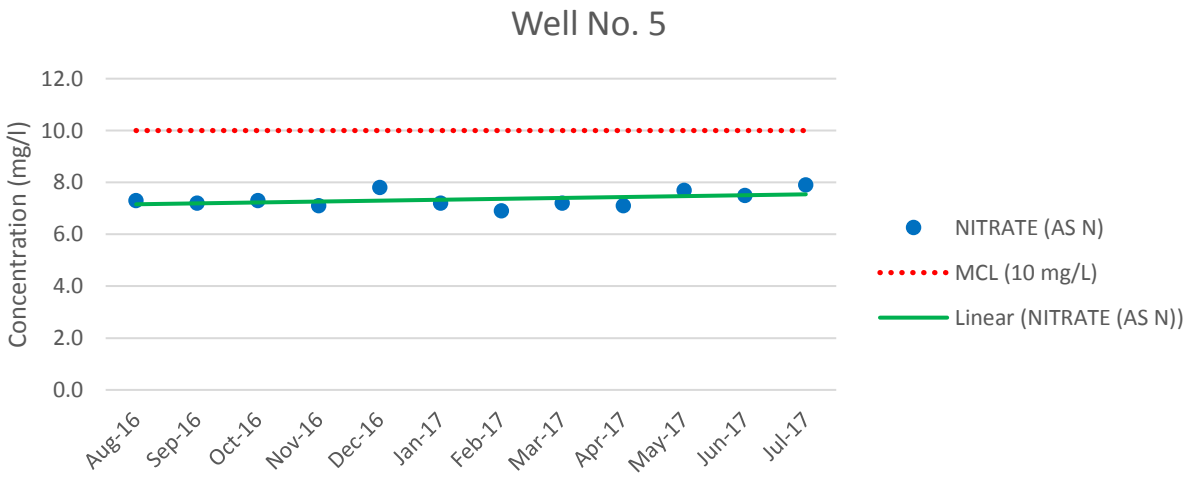


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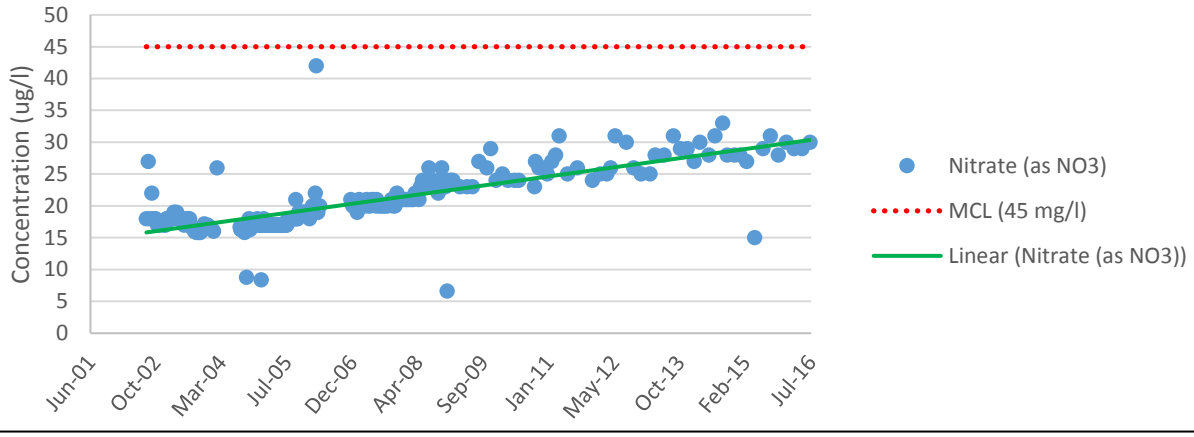
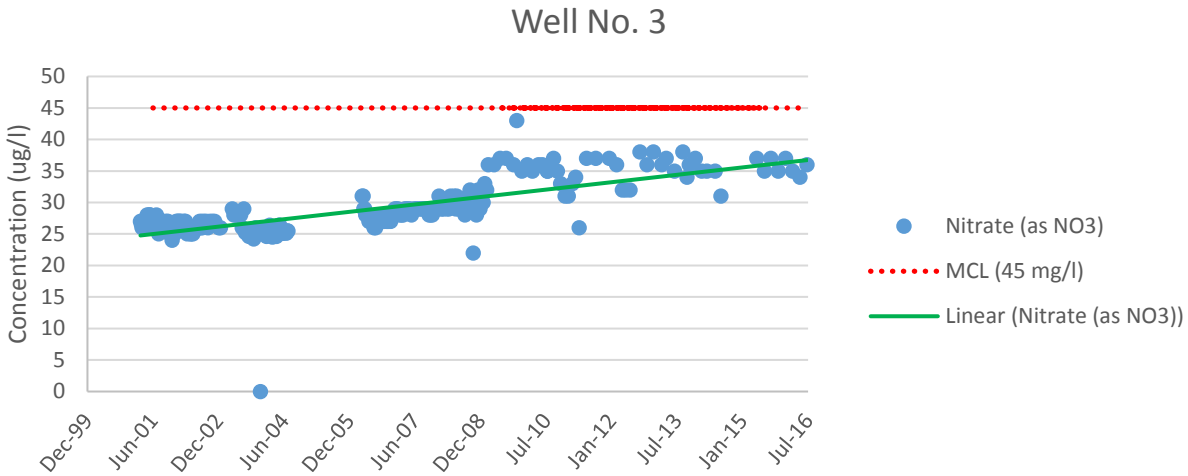
FIGURE 6A

RAW WATER
NITRATE (AS N) CONCENTRATIONS
AUGUST 2016 – JULY 2017





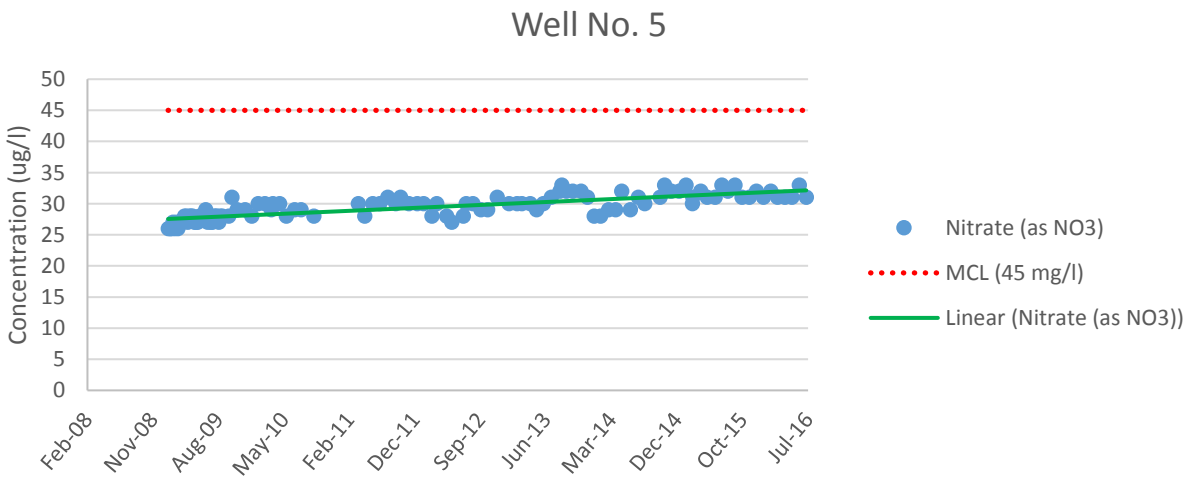


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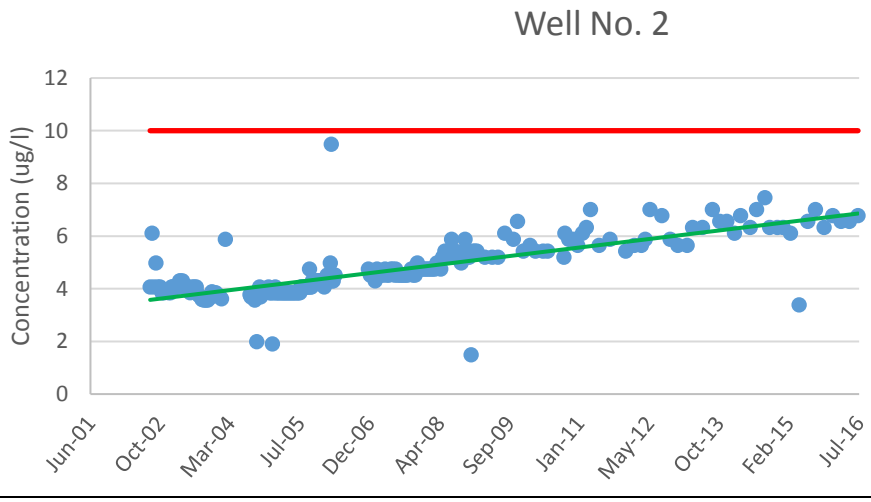
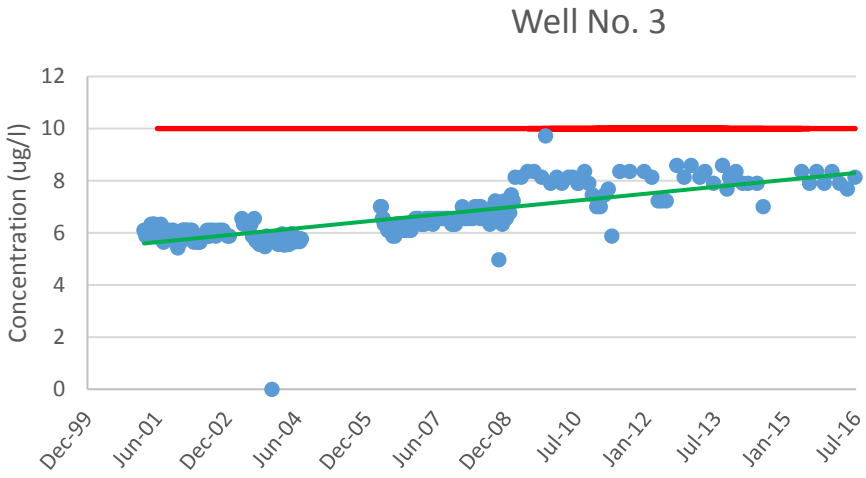
FIGURE 6B

HISTORICAL RAW WATER
NITRATE **(AS N03)** CONCENTRATIONS





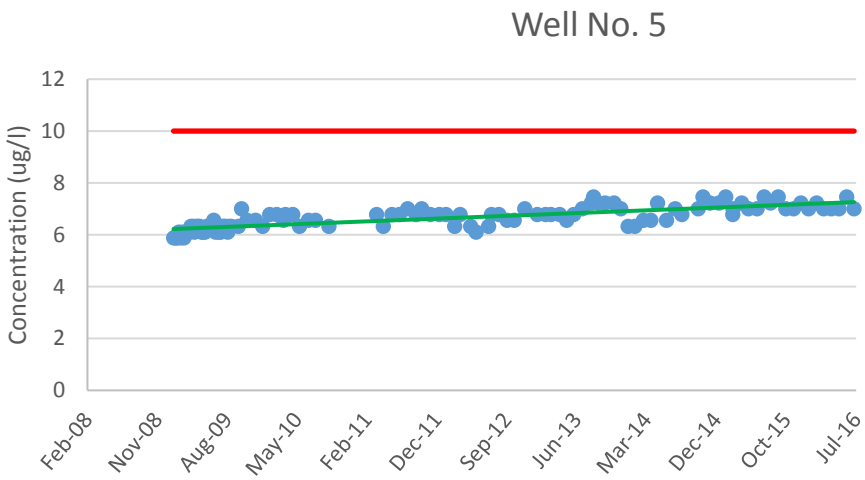


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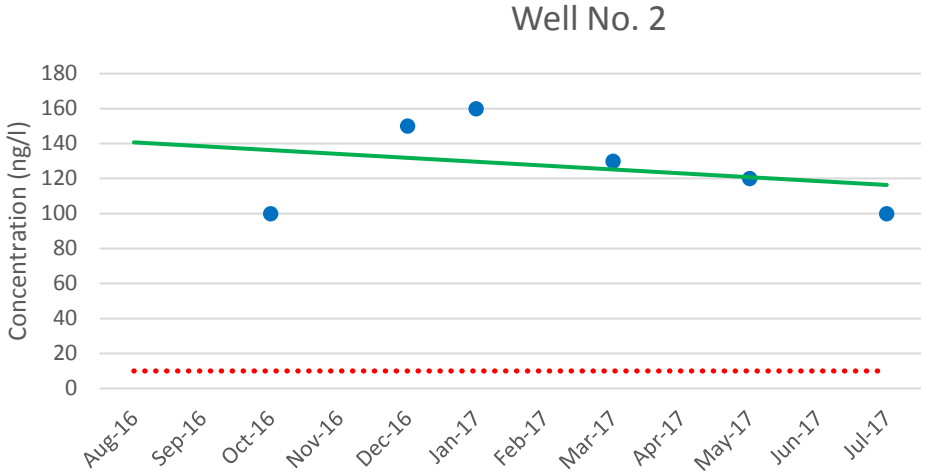
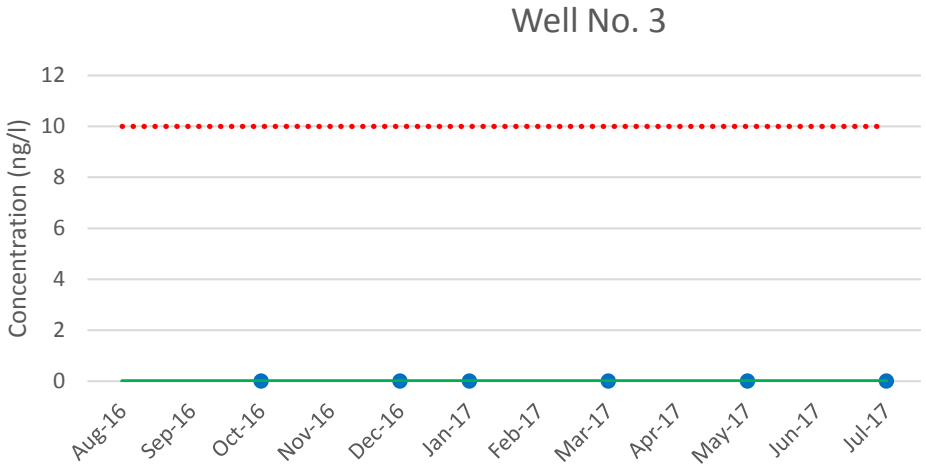
FIGURE 6C
HISTORICAL RAW WATER
NITRATE **(AS N)** CONCENTRATIONS





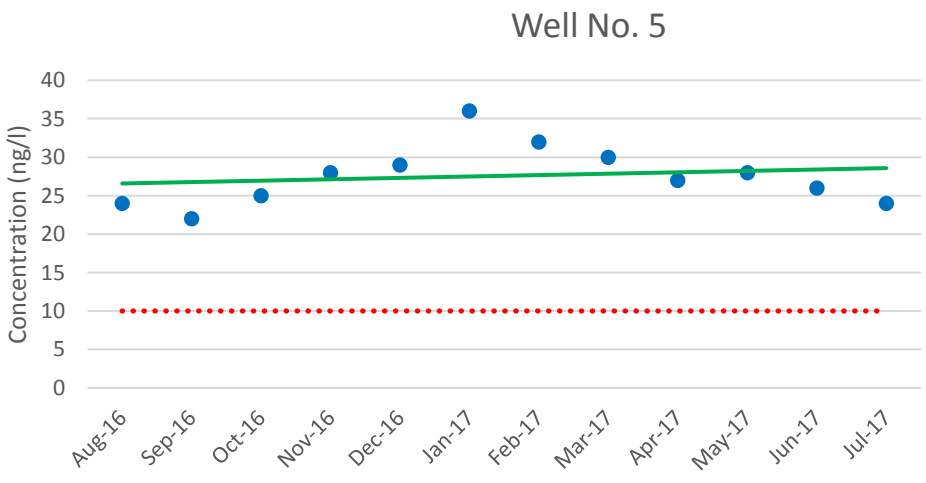


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FIGURE 7A

RAW WATER
N-NITROSODIMETHYLAMINE (NDMA) CONCENTRATIONS
AUGUST 2016 – JULY 2017

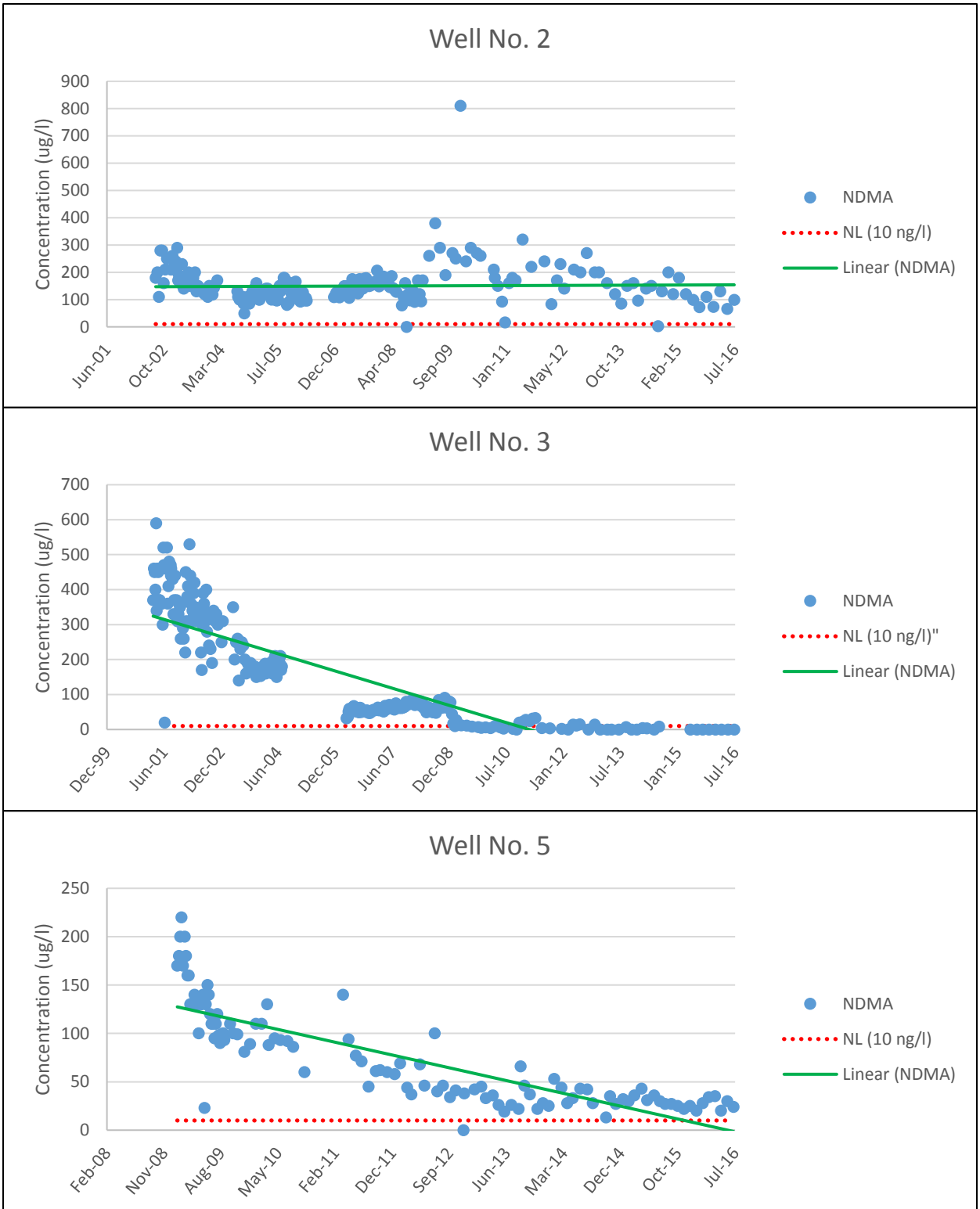

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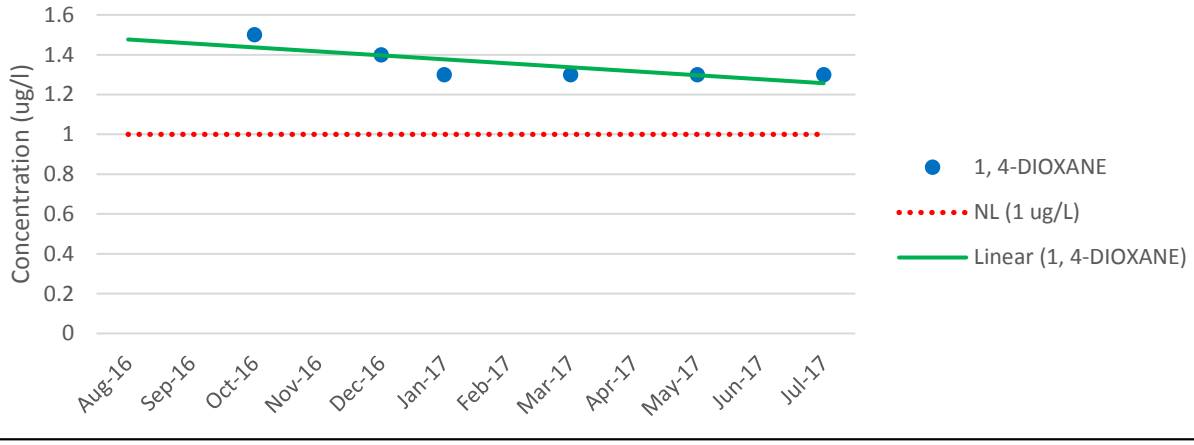
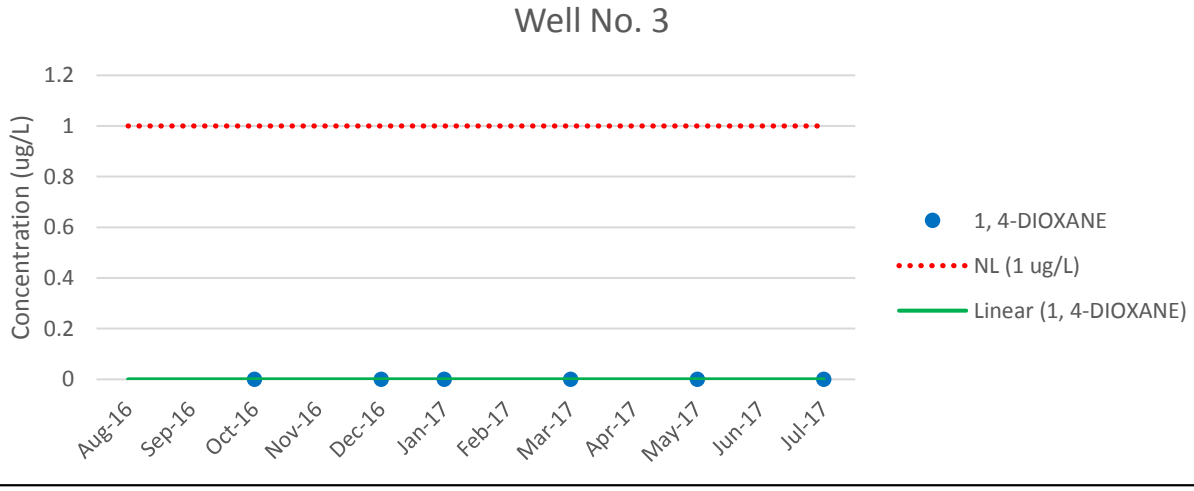
FIGURE 7B

HISTORICAL RAW WATER
N-NITROSODIMETHYLAMINE (NDMA) CONCENTRATIONS





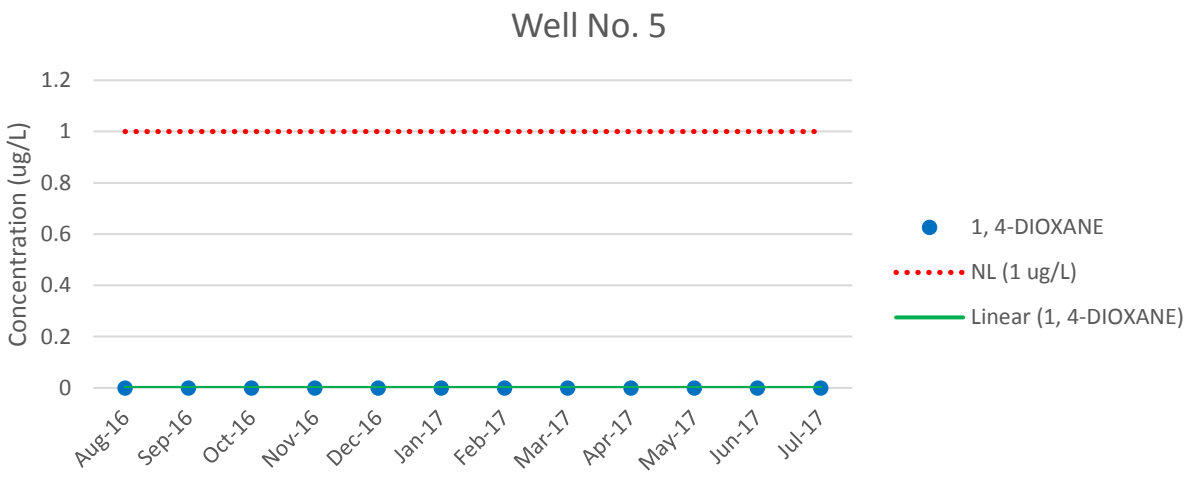


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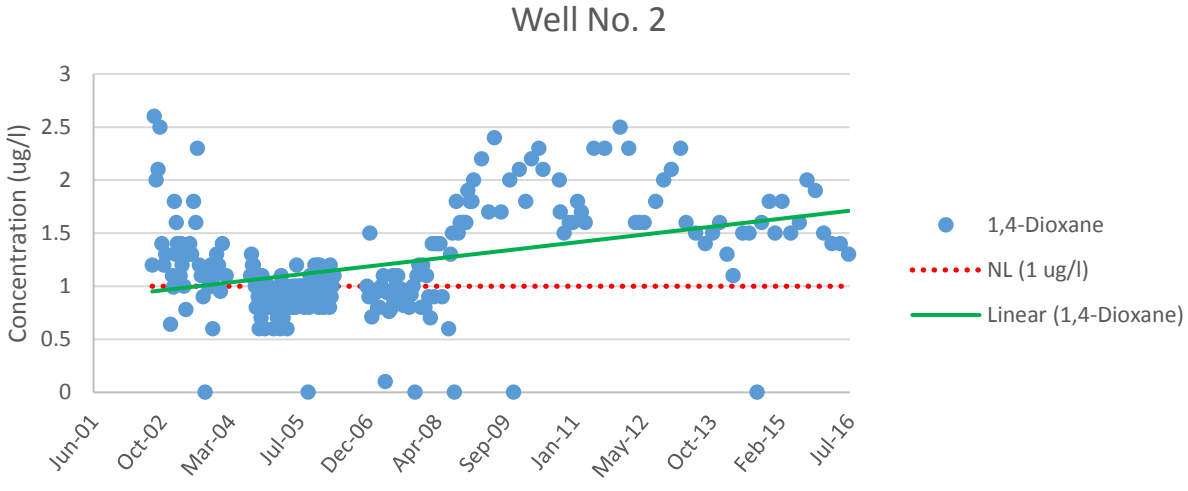
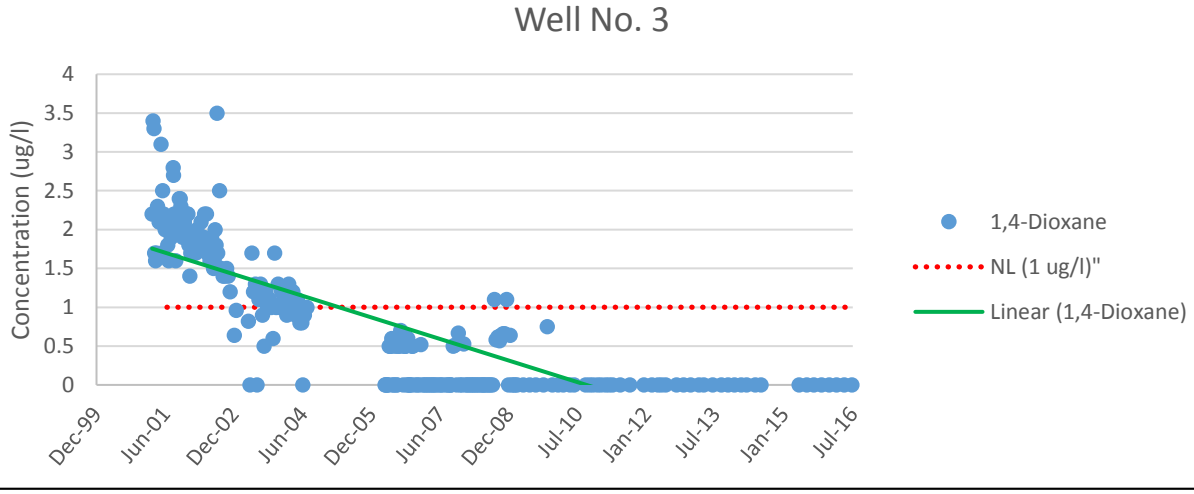
FIGURE 8A
RAW WATER
1,4-DIOXANE CONCENTRATIONS
AUGUST 2016 – JULY 2017





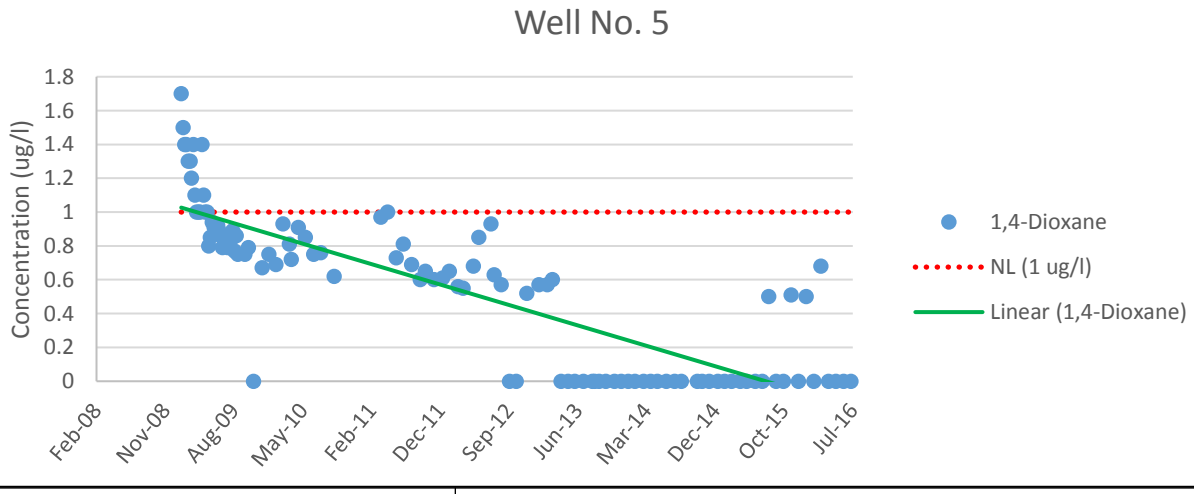


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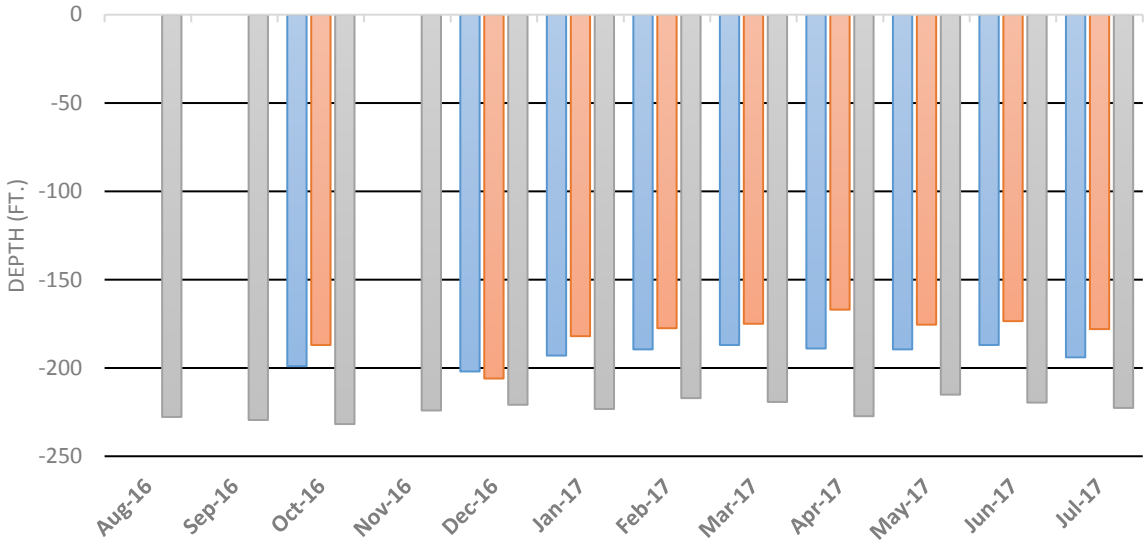
FIGURE 8B

HISTORICAL RAW WATER
1,4-DIOXANE CONCENTRATIONS

Wells No. 2, No. 3, and No. 5
Pumping Water Levels



	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17
Well 2			-199		-202	-193	-189.5	-187	-189	-189.5	-187	-194
Well 3			-187		-206	-182	-177.5	-175	-167	-175.5	-173.5	-178
Well 5	-227.75	-229.48	-231.79	-224.08	-220.85	-223.24	-217.09	-219.26	-227.31	-215.11	-219.62	-222.64

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FIGURE 9
PUMPING WATER LEVELS
WELL NO. 2, NO. 3, AND NO. 5
AUGUST 2016 – JULY 2017

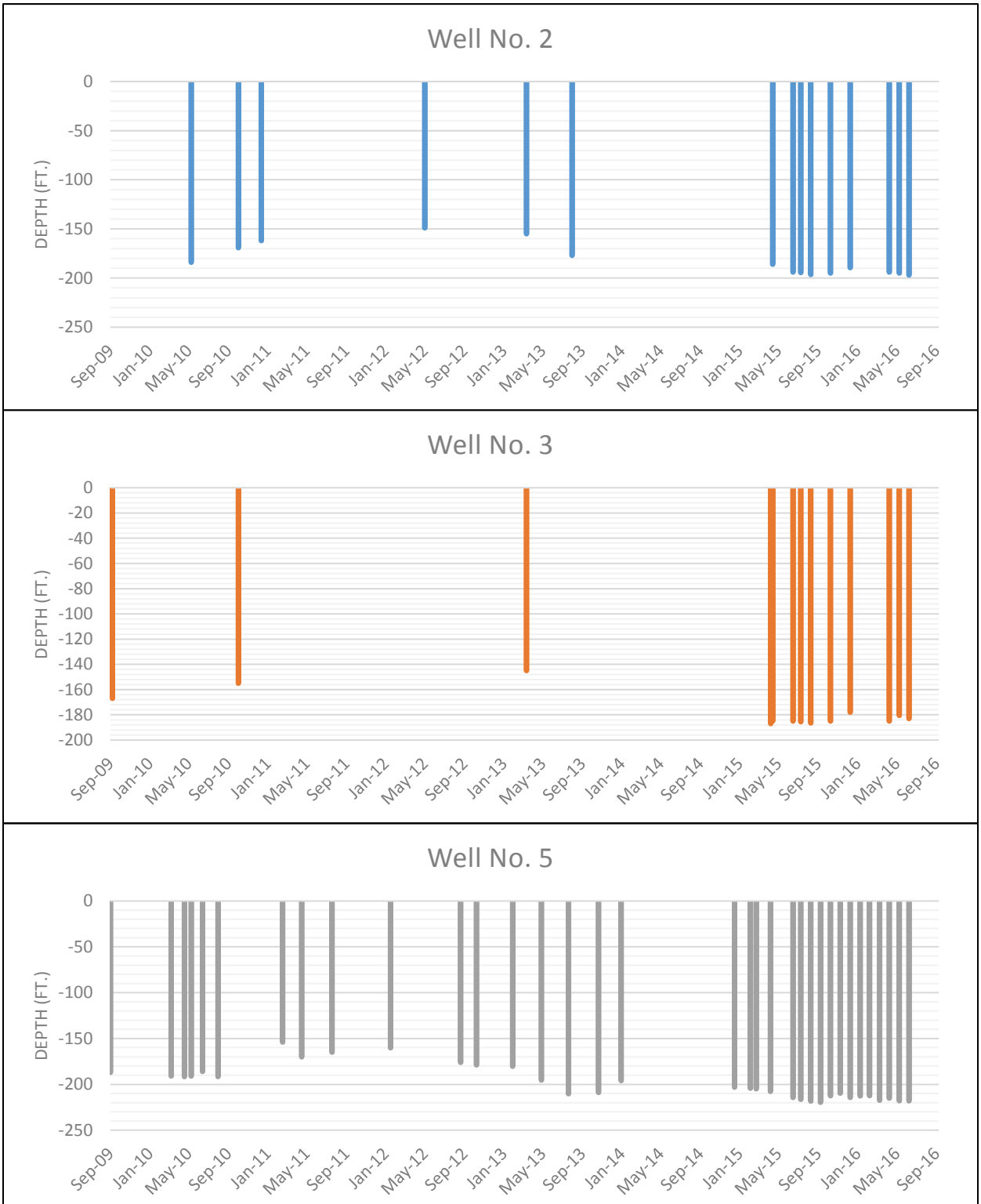

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FIGURE 10

HISTORICAL PUMPING LEVELS
WELL NO. 2, NO. 3, AND NO. 5

TABLES

Monthly Average Water Production
August 2016 – July 2017

Month	Well Production			Total Amount of Water Processed (AF)	Avg. Flow Rate (gpm)	Air Stripper 1		Air Stripper 2		Trojan	Average Hydrogen Peroxide Dosage (ppm)	Average Chlorine Residuals (ppm)	Average pH
	Well No. 2	Well No. 3	Well No. 5			Air: Water Ratio (min.)	Air Peak Flow (gpm)	Air: Water Ratio (min.)	Air Peak Flow (gpm)	Number of banks in Operation		Hudson Reservoir	Hudson Reservoir
Aug-16	0.00	1.30	277.88	279.18	2038	42	1000	60	1380	16 / 16	1.80	1.03	7.67
Sep-16	0.00	0.09	308.30	308.39	2251	N/A	1000	60	1475	16 / 16	1.80	1.08	7.86
Oct-16	9.54	11.92	291.89	313.35	2287	42	1000	60	1475	16 / 16	1.77	1.10	7.73
Nov-16	0.00	0.00	298.77	298.77	2181	41	1000	60	1450	16 / 16	1.74	1.14	7.69
Dec-16	8.88	11.07	291.12	311.07	2271	41	1000	60	1415	16 / 16	1.74	1.15	7.57
Jan-17	5.04	6.021	292.087	303.15	2213	40	1000	60	1350	16 / 16	1.76	1.15	7.77
Feb-17	5.20	6.39	249.872	261.46	2113	40	1000	60	1375	16 / 16	1.74	1.13	7.81
Mar-17	4.63	5.751	294.343	304.72	2224	39	1000	60	1350	16 / 16	1.73	1.13	7.81
Apr-17	4.64	5.52	279.965	290.13	2227	38	1000	60	1350	16 / 16	1.74	1.13	7.82
May-17	5.07	5.914	282.645	293.63	2154	37	1000	60	1350	16 / 16	1.75	1.14	7.79
Jun-17	3.55	4.075	269.144	276.76	2138	37	1000	60	1350	16 / 16	1.77	1.25	7.78
Jul-17	31.82	36.39	232.15	300.35	2199	37	1000	60	1300	16 / 16	1.77	1.44	7.80
TOTALS	78.35	94.43	3368.17	3540.95									
AVERAGE	6.53	7.87	280.68	295.08									
MIN	0.00	0.00	232.15	261.46									
MAX	31.82	36.39	308.30	313.35									

La Puente Valley County Water District
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TABLE 1

MONTHLY AVERAGE WATER PRODUCTION
AUGUST 2016 – JULY 2017

Raw Water
Trichloroethylene (TCE) Concentrations
MCL = 5 ug/l

TCE Concentrations August 2016 – July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			9.9
Sep-16			14
Oct-16	52	0.66	12
Nov-16			13
Dec-16	64	0.63	11
Jan-17	55	0.5	11
Feb-17			0
Mar-17	48	0.5	12
Apr-17			13
May-17	84	0.57	12
Jun-17			13
Jul-17	56	0.61	12
AVERAGE	59.83	0.58	11.08
MINIMUM	48	0.5	0
MAXIMUM	84	0.66	14

NOTES:

All units reported in micrograms per liter (ug/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 2

RAW WATER
TRICHLOROETHYLENE (TCE) CONCENTRATIONS
AUGUST 2016 – JULY 2017

Raw Water
Tetrachloroethylene (PCE) Concentrations
MCL = 5 ug/l

PCE Concentrations August 2016 – July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			0.98
Sep-16			1.4
Oct-16	4.3	0	0.93
Nov-16			1
Dec-16	3	0	0.9
Jan-17	2.7	0	0.92
Feb-17			0
Mar-17	2.7	0	1.2
Apr-17			0.97
May-17	4.4	0	1.1
Jun-17			1.2
Jul-17	2.9	0	1.1
AVERAGE	3.3	0	0.98
MINIMUM	2.7	0	0
MAXIMUM	4.4	0	1.4

NOTES:

All units reported in micrograms per liter (ug/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 3

RAW WATER
TETRACHLOROETHYLENE (PCE) CONCENTRATIONS
AUGUST 2016 – JULY 2017

Raw Water
Carbon Tetrachloride (CTC) Concentrations
MCL = 0.5 ug/l

CTC Concentrations August 2016 – July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			0.54
Sep-16			0.62
Oct-16	3	0	0.53
Nov-16			0.57
Dec-16	2.5	0	0.53
Jan-17	2.3	0	0
Feb-17			0
Mar-17	2.2	0	0.59
Apr-17			0.53
May-17	3.4	0	0
Jun-17			0.78
Jul-17	2.5	0	0
AVERAGE	2.7	0	0.39
MINIMUM	2.2	0	0
MAXIMUM	3.4	0	0.78

NOTES:

All units reported in micrograms per liter (ug/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 4

RAW WATER
CARBON TETRACHLORIDEE (CTC) CONCENTRATIONS
AUGUST 2016 – JULY 2017

Raw Water
1,2-Dichloroethane (1,2-DCA) Concentrations
MCL = 0.5 ug/l

1,2-DCA Concentrations August 2016 – July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			0
Sep-16			0.5
Oct-16	1.8	0	0
Nov-16			0
Dec-16	2	0	0.53
Jan-17	1.7	0	0
Feb-17			0
Mar-17	1.8	0	0.55
Apr-17			0
May-17	2.4	0	0
Jun-17			0
Jul-17	1.7	0	0
AVERAGE	1.9	0	0.13
MINIMUM	1.7	0	0
MAXIMUM	2.4	0	0.55

NOTES:

All units reported in micrograms per liter (ug/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 5

RAW WATER
1,2-DICHLOROETHANE (1,2-DCA) CONCENTRATIONS
AUGUST 2016 – JULY 2017

Raw Water
Perchlorate Concentrations
MCL = 6 ug/l

Perchlorate Concentrations August 2016– July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			15
Sep-16			15
Oct-16	35	7.3	14
Nov-16			15
Dec-16	39	8	16
Jan-17	38	8.2	14
Feb-17			16
Mar-17	41	8.5	18
Apr-17			16
May-17	34	6.6	14
Jun-17			17
Jul-17	32	7.1	15
AVERAGE	36.5	8	15.4
MINIMUM	32	6.6	14
MAXIMUM	41	8.5	18

NOTES:

All units reported in micrograms per liter (ug/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 6

RAW WATER
PERCHLORATE CONCENTRATIONS
AUGUST 2016 – JULY 2017

Raw Water
Nitrate Concentrations
MCL = 10 mg/l

Nitrate Concentrations August 2016 – July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			7.3
Sep-16			7.2
Oct-16	6.6	7.8	7.3
Nov-16			7.1
Dec-16	6.7	8	7.8
Jan-17	6.7	8.1	7.2
Feb-17			6.9
Mar-17	7.5	10	7.2
Apr-17	6.9	8.3	7.1
May-17	8	9.9	7.7
Jun-17			7.5
Jul-17	6.9	8	7.9
AVERAGE	7.0	9	7.4
MINIMUM	6.6	7.8	6.9
MAXIMUM	8	10	7.9

NOTES:

All units reported in milligrams per liter (mg/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 7
RAW WATER
NITRATE CONCENTRATIONS
AUGUST 2016 – JULY 2017

Raw Water
NDMA Concentrations
MCL = 10 ng/l

NDMA Concentrations August 2016 – July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			24
Sep-16			22
Oct-16	100	0	25
Nov-16			28
Dec-16	150	0	29
Jan-17	160	0	36
Feb-17			32
Mar-17	130	0	30
Apr-17			27
May-17	120	0	28
Jun-17			26
Jul-17	100	0	24
AVERAGE	126.7	0	27.6
MINIMUM	100	0	22
MAXIMUM	160	0	36

NOTES:

All units reported in Nano grams per liter (ng/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 8
RAW WATER
NDMA CONCENTRATIONS
AUGUST 2016 – JULY 2017

Raw Water
1,4-Dioxane Concentrations
MCL = 1 ug/l

1,4-Dioxane Concentrations August 2016 – July 2017			
Date	Well 2	Well 3	Well 5
Aug-16			0
Sep-16			0
Oct-16	1.5	0	0
Nov-16			0
Dec-16	1.4	0	0
Jan-17	1.3	0	0
Feb-17			0
Mar-17	1.3	0	0
Apr-17			0
May-17	1.3	0	0
Jun-17			0
Jul-17	1.3	0	0
AVERAGE	1.4	0	0
MINIMUM	1.3	0	0
MAXIMUM	1.5	0	0

NOTES:

All units reported in micrograms per liter (ug/l)

MCL = Maximum Contaminant Level

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 9

RAW WATER
1,4-DIOXANE CONCENTRATIONS
AUGUST 2016 – JULY 2017

Well No. 2 (600 - 940 feet below ground surface)								
Contaminant	Design Concentration (ug/l)*				Historic High (ug/l)*	2016-2017 Water Quality Statistics		
	AS 1	AS 2	SPIX	UV/Peroxide		Min.	Mean	Max.
TCE	28.4	43.9			120	48	59.8	84
PCE					6.6	2.7	3.3	4.4
CTC	2.6	7			6.1	2.2	2.7	3.4
1,2-DCA		12.5			6.1	1.7	1.9	2.4
Perchlorate			60		180	32	36.5	41
Nitrate					9.5 mg/l	6.6 mg/l	7 mg/l	8 mg/l
NDMA				3000 ng/l	870 ng/l	100 ng/l	126.7 ng/l	160 ng/l
1,4-Dioxane				3.4	3.2	1.3	1.4	1.5

Well No. 3 (620 - 770 feet below ground surface)								
Contaminant	Design Concentration (ug/l)*				Historic High (ug/l)*	2016-2017 Water Quality Statistics		
	AS 1	AS 2	SPIX	UV/Peroxide		Min.	Mean	Max.
TCE	28.4	43.9			90	0.5	0.6	0.7
PCE					6.3	ND	ND	ND
CTC	2.6	7			7.1	ND	ND	ND
1,2-DCA		12.5			7.1	ND	ND	ND
Perchlorate			60		160	6.6	8	8.5
Nitrate					9.7 mg/l	7.8 mg/l	9 mg/l	10 mg/l
NDMA				3000 ng/l	160 ng/l	ND	ND	ND
1,4-Dioxane				3.4	3.4	ND	ND	ND

Well No. 5 (590 - 770 feet below ground surface)								
Contaminant	Design Concentration (ug/l)*				Historic High (ug/l)*	2016-2017 Water Quality Statistics		
	AS 1	AS 2	SPIX	UV/Peroxide		Min.	Mean	Max.
TCE	28.4	43.9			40	0	11.1	14
PCE					3.8	0	0.98	1.4
CTC	2.6	7			2.2	ND	0.4	0.8
1,2-DCA		12.5			2.5	ND	0.1	0.6
Perchlorate			60		60	14	15.4	18
Nitrate					7.5 mg/l	6.9 mg/l	7.4 mg/l	7.9 mg/l
NDMA				3000 ng/l	250 ng/l	22 ng/l	27.6 ng/l	36 ng/l
1,4-Dioxane				3.4	1.8	ND	ND	ND

* or as listed

La Puente Valley County Water District
112 N First St.
La Puente, CA 91744

TABLE 10
RAW WATER DESIGN PARAMETERS

Treatment Facility Efficiency
Treated Water (SP6)
August 2016 – July 2017

Treatment Facility Efficiency August 2016 – July 2017							
Date	TCE	PCE	CTC	1,2-DCA	ClO_4	NDMA	1,4 - Dioxane
Aug-15	ND	ND	ND	ND	ND	ND	ND
Sep-15	ND	ND	ND	ND	ND	ND	ND
Oct-15	ND	ND	ND	ND	ND	ND	ND
Nov-15	ND	ND	ND	ND	ND	ND	ND
Dec-15	ND	ND	ND	ND	ND	ND	ND
Jan-16	ND	ND	ND	ND	ND	ND	ND
Feb-16	ND	ND	ND	ND	ND	ND	ND
Mar-16	ND	ND	ND	ND	ND	ND	ND
Apr-16	ND	ND	ND	ND	ND	ND	ND
May-16	ND	ND	ND	ND	ND	ND	ND
Jun-16	ND	ND	ND	ND	ND	ND	ND
Jul-16	ND	ND	ND	ND	ND	ND	ND
Removal Efficiency (%)	100	100	100	100	100	100	100

SP 10 Combined SPIX Nitrate Effluent Concentrations
MCL = 10 mg/l

Date Sampled	EPA Method	Results
8/2/16 3:20 PM	EPA 353.2	7.2
8/9/16 5:23 PM	EPA 353.2	7.20
8/19/16 3:34 PM	EPA 353.2	7.1
8/23/16 6:23 PM	EPA 353.2	7
8/30/16 10:44 AM	EPA 353.2	7.1
9/8/16 10:48 AM	EPA 353.2	7.3
9/13/16 2:29 PM	EPA 353.2	6.9
9/20/16 12:14 PM	EPA 353.2	7.1
9/28/16 3:55 PM	EPA 353.2	7.8
10/5/16 8:21 PM	EPA 353.2	7.6
10/11/16 3:40 PM	EPA 353.2	7.2
10/19/16 3:13 PM	EPA 353.2	7.8
10/26/16 3:56 PM	EPA 353.2	6.9
11/1/16 4:17 PM	EPA 353.2	7
11/8/16 4:16 PM	EPA 353.2	7.1
11/15/16 5:08 PM	EPA 353.2	7.5
11/22/16 3:57 PM	EPA 353.2	7.4
11/29/16 4:20 PM	EPA 353.2	7.5
12/6/16 3:36 PM	EPA 353.2	7.7
12/13/16 3:33 PM	EPA 353.2	7.4
12/20/16 5:00 PM	EPA 353.2	7.4
12/27/16 4:45 PM	EPA 353.2	7
1/3/17 3:42 PM	EPA 353.2	6.9
1/10/17 2:18 PM	EPA 353.2	7.2
1/17/17 2:53 PM	EPA 353.2	7.3
1/24/17 3:32 PM	EPA 353.2	7.3
1/31/17 3:23 PM	EPA 353.2	7.1
2/7/17 3:23 PM	EPA 353.2	7.1
2/14/17 3:28 PM	EPA 353.2	7.3

Date Sampled	EPA Method	Results
2/22/17 2:06 PM	EPA 353.2	6.9
2/28/17 2:01 PM	EPA 353.2	7.2
3/7/17 2:42 PM	EPA 353.2	7.1
3/14/17 3:54 PM	EPA 353.2	7.1
3/22/17 3:34 PM	EPA 353.2	7
3/28/17 4:15 PM	EPA 353.2	6.8
4/4/17 3:10 PM	EPA 353.2	6.8
4/11/17 4:16 PM	EPA 353.2	7.2
4/17/17 4:39 PM	EPA 353.2	7.3
4/19/17 3:15 PM	EPA 353.2	7.3
4/20/17 3:46 PM	EPA 353.2	7.4
4/24/17 4:35 PM	EPA 353.2	7.1
5/3/17 2:10 PM	EPA 353.2	7.1
5/9/17 9:38 PM	EPA 353.2	7.2
5/16/17 2:21 PM	EPA 353.2	7.4
5/17/17 2:59 PM	EPA 353.2	7.2
5/22/17 3:55 PM	EPA 353.2	7.2
5/30/17 3:48 PM	EPA 353.2	7.6
6/6/17 8:32 PM	EPA 300.0	9
6/7/17 3:33 PM	EPA 353.2	7.1
6/14/17 4:22 AM	EPA 300.0	8.4
6/20/17 2:32 PM	EPA 353.2	7.4
6/23/17 4:36 PM	EPA 300.0	8
6/23/17 4:00 PM	EPA 353.2	7.3
6/27/17 3:19 PM	EPA 353.2	7.1
7/5/17 4:29 PM	EPA 353.2	7.3
7/11/17 5:50 PM	EPA 353.2	7.8
7/17/17 4:45 PM	EPA 353.2	7.8
7/25/17 3:41 PM	EPA 353.2	7.6
7/25/17 5:41 PM	EPA 353.2	7.3

AVERAGE	7.31
MINIMUM	6.8
MAXIMUM	9

La Puente Valley County Water District
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TABLE 11A

SP-10 COMBINED SPIX NITRATE EFFLUENT
NITRATE CONCENTRATIONS
AUGUST 2016 – JULY 2017

Treatment Facility Operational Incidents
August 2016 – July 2017

Operational Incidents	*Date*	*Time (hrs)*	*Planned?*	*Corrective Action Taken*
Carbon change out both vessels	8/15/2016	7.03	YES	Scada reset and plant restarted
Effluent booster pump and blower motors	8/17/2016	49	NO	Effluent booster pump change out and repair/replace of soft starters for blower motors 1 & 2
UV Trojan Alarm	9/18/2016	3.50	NO	Returned to auto mode
Effluent Wet Well and Meter	10/7/16	1.66	YES	Install pressure transducer and chance Well 3 flow meter
Well 5 VFD Fault – Over temp	10/25/16	11.61	NO	Replaced cooling fans
Edison Power Outage	11/7/16	1.65	NO	Power restored by Edison
Enernoc Power Request	11/14/16	2.51	YES	Powered back on
Edison Power Surge	1/20/17	0.51	NO	Power restored by Edison
Edison Power Outage	1/26/17	1.11	NO	Power restored by Edison
Edison Power Outage – Rain, Wind, Power Line Damaged	2/17/17 – 2/18/17	19.85	NO	Power restored by Edison
Motor Maintenance	4/18/17	3.47	YES	Performed motor maintenance and restarted plant
Switched Well Operation	4/19/17	0.23	YES	Switched wells back to normal operations
Air Stripper Fault & Edison Outage	4/24/17	6.08	NO	Repaired blower motor and restored power
Edison Power Outage	4/27/17	2.55	NO	Power restored by Edison
Booster Pump Failure – over temp	5/8/17	2.95	NO	Repaired and restarted
SCADA	5/11/17	0.28	NO	Reset and restarted
Switched Well Operation	5/16/17	0.18	YES	Switched wells back to normal operations
Switched Well Operation	5/17/17	0.20	YES	Switched wells back to normal operations
Air Stripper Inspection & Blower Belt Replacement	6/6/17	8.86	YES	Performed inspection, repairs and then restarted
Switched Well Operation	6/7/17	0.26	YES	Switched wells back to normal operations
Wet Well Transducer	6/15/17	0.56	NO	Replaced transducer
Air Stripper No. 2 Piping	6/29/17	7.25	NO	Repaired Influent piping
Hydrogen Peroxide Feed	7/18/17	0.93	YES	Repairs to feed line and restarted plant
Switched Well Operation	7/24/17	0.26	YES	Switched wells back to normal operations

Annual Raw Water Sampling Results

CONTAMINANT	UNITS	MCL OR NL	Well 5
VOCs			
Dichlorodifluoromethane (Freon 12)	mg/l	1*	0.88
Tetrachloroethene	ug/l	5	1.1
Trichloroethene	ug/l	5	12
VOC TICs			ND
SVOCs			ND
SVOC TICs			
Cyclotetradecane	ug/l	N/A	2.2
Unknown #1	ug/l	N/A	2.8
1,2,3-TCP	ug/l	0.005*	ND

NOTES:

*NL = Notification Level

MCL = Maximum Contaminant Level

ug/l = micrograms per lliter

mg/l = milligrams per liter

ND = Not Detect

Concentrations levels listed in RED are at or above the MCL

La Puente Valley County Water District

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La Puente, CA 91744

TABLE 13

ANNUAL RAW WATER SAMPLING
AUGUST 2016 – JULY 2017

Upgradient Water Quality Sampling Results
August 2016 – July 2017

Contaminant	MCL or NL (ug/l)	LPVCWD Design Influent Concentration (ug/l)		Upgradient Surveillance Wells	
				VCWD Big Dalton @ 275' & 410' (ug/l)	SGVWC Well B6C (ug/l)
VOCs					--
TCE	5	28.4 AS 1	43.9 AS 2	ND	--
Chloroform**	80	--	--	ND	--
VOC TICs	--	--	--	ND	--
SVOCs	--	--		ND	--
SVOC TICs					--
Butylated Hydroxytoluene	N/A	--		6.5@ 275'	--
Perchlorate	6	60 (SPIX)		14 @ 275' 15 @ 410'	--
1,4-Dioxane	1*	3.4 (UV/Peroxide)		1 @ 275' 1 @ 410'	--
NDMA	10 ng/l*	3000 ng (UV/Peroxide)		2 ng/l @ 275' 2 ng/l @ 410'	--
1,2,3-TCP	5 ng/l*	--		N/A	--
Nitrate as N	10 mg/l	--		17 mg/l @ 275 16 mg/l @ 410'	--

NOTES:

SPIX = Single Pass Ion Exchange
MCL = Maximum Contaminant Level
Concentrations levels listed in RED are at or above the MCL
AS 1 = Air Stripper 1
AS 2 = Air Stripper 2
MCL = Maximum Contaminant Level
NL = Notification Level
ND = Not detected
*NL

VCWD = Valley County Water District
SGVWC = San Gabriel Valley Water Company
VOCs = Volatile Organic Compounds
TICs = Tentatively-Identified Compounds
SVOCs = Semi-VOCs
ug/l = micrograms per liter
ng/l = nanograms per liter
mg/l = milligrams per liter
** Chloroform is a trihalomethane

Valley County Water District
Historical Levels for Big Dalton Well at 275’

Contaminant	MCL or NL	Valley County Water District Big Dalton @ 275'									
		07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17
VOCs											
TCE (ug/l)	5 (ug/l)	7.5	5.8	3.95	2	2.4	1.5	1.3	0	1	0
PCE (ug/l)	5 (ug/l)	0.97	0.52	0	0	0	--	--	--	0	0
CTC (ug/l)	0.5 (ug/l)	0.5	0	0	--	--	--	--	--	0	0
1,2-DCA (ug/l)	0.5 (ug/l)	1.6	1.5	1.04	0	--	--	--	--	0	0
Carbon Disulfide (ug/l)	160 (ug/l)	0	--	--	--	--	--	--	--	0	--
Chloroform (ug/l)	80 (ug/l)	1.1	1	0.71	0	--	--	0	0	0	--
cis-1,2-Dichloroethene	6 (ug/l)	--	0	0	0	--	--	--	--	--	0
Dibromochloromethane (ug/l)	80 (ug/l)	1.2	--	--	--	--	--	--	--	--	0
Dichlorodifluoromethane (ug/l)	1000* (ug/l)	0	0	0	0	--	--	--	--	--	0
VOC TICs		0	--	0	0	0	0	0	0	0	0
Unknown #1		--	--	--	--	--	--	--	--	--	--
Unknown #1 (possible ethanol)		--	--	--	--	--	--	--	--	--	--
SVOCs		0	0	0		0	0	0	0	0	0
Bis(2-chloroethyl)ether		--	--	0	--	--	--	--	--	--	--
Bis(2-Ethylhexy) Phthalate (ug/l)		--	--	--	22	--	--	--	--	--	--
SVOC TICs		--		--	0						
Benzenesulfonamide, N,4-dim. (ug/l)		--	--	--	--	--	--	--	--	2	--
Butylated Hydroxytoluene (ug/l)		--	2.8	--	--	--	6.9	8.1	11	6.8	6.5
1-Decene (ug/l)		--	--	--	--	3.5	--	--	--	--	--
Cyclohexasiloxane, dodecamethyl-		--	--	--	--	--	--	--	--	--	--
2,5-Cyclohexadiene-1,4-dione,2 (ug/L)		--	--	--	--	--	--	--	2.7	--	--
Heptacosane (ug/l)		--	--	--	--	--	--	--	--	--	--
Heptacosane Isomer1 (ug/l)		--	--	--	--	--	--	--	--	--	--
Heptacosane Isomer2 (ug/l)		--	--	--	--	--	--	--	--	--	--
Tetratetracontane		--	--	--	--	--	--	--	--	--	--
Ukn (possible Furan, ug/l)		--	--	--	--	--	--	--	--	--	--
Ukn (possible carboxylic acid) ug/l)		--	--	--	--	--	--	--	--	--	--
Ukn (possible column bleeding) ug/l)		--	--	--	--	--	--	--	--	--	--
Unknown #1 (ug/l)		--	--	--	--	--	--	--	--	2.3	--
Unknown #2 (ug/l)		--	--	--	--	--	--	--	--	2.1	--
Unknown #3 (ug/l)		--	--	--	--	--	--	--	--	2.1	--
Atrazine (ug/l)	1 (ug/l)	0.55	0.55	--	--	--	--	--	--	--	--
Perchlorate (ug/l)	6 (ug/l)	20	20	20	11	16	14	14	15	13	14
1,4-Dioxane (ug/l)	3 (ug/l)	0	--	0	0	0	0	--	0	0.5	1
NDMA (ng/l)	10 (ng/l)	140	130	98	0	17	1.7	2.1	1.1	2	2
1,2,3-TCP (ng/l)	5 (ng/l)	0	0	0	0	0	0	0	0	--	0
Nitrate as N (mg/l)	10 (mg/l)	12.9	15.8	15.8	12.2	18	18	14.9	17.8	17	17
Chromium VI (ug/l)	10 (ug/l)	3.3	3	2.2	--	--	--	--	--	--	4.8

0 1/2 MCL >= MCL

La Puente Valley County Water District

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La Puente, CA 91744

TABLE 15

HISTORICAL LEVELS FOR BIG DALTON WELL AT 275’
2007-2017

Valley County Water District
Historical Levels for Big Dalton Well at 410’

Contaminant	MCL or NL	Valley County Water District Big Dalton @ 410'									
		07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17
VOCs											
TCE (ug/l)	5 (ug/l)	1.1	0.63	0.56	0	0	0	0	0	0	0
PCE (ug/l)	5 (ug/l)	0	0	0	0	0	--	--	--	0	0
CTC (ug/l)	0.5 (ug/l)	0	0	0	--	--	--	--	--	0	0
1,2-DCA (ug/l)	0.5 (ug/l)	0	0	0	0	--	--	--	--	0	0
Carbon Disulfide (ug/l)	160 (ug/l)	0	--	--	--	--	--	--	--	0	0
Chloroform (ug/l)	80 (ug/l)	0	0	0	0	--	--	0	0	0	0
cis-1,2-Dichloroethene	6 (ug/l)	--	0	0	0	--	--	--	--	--	0
Dibromochloromethane (ug/l)	80 (ug/l)	0	0	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (ug/l)	1000* (ug/l)	0	0	0	--	--	--	--	--	--	--
VOC TICs		0	0	0	--	--	--	--	--	0	0
Unknown #1		--	--	--	--	--	--	--	--	--	--
Unknown #1 (possible ethanol)		--	--	--	--	--	--	--	--	--	--
SVOCs		0	0	0	--	--	--	--	--	0	0
Bis(2-chloroethyl)ether		--	--	0	--	--	--	--	--	--	--
Bis(2-Ethylhexy) Phthalate (ug/l)		--	--	--	--	--	--	--	--	--	--
SVOC TICs		--	0	0	--	--	--	--	--	--	--
Benzenesulfonamide, N,4-dim.. (ug/l)		--	--	--	--	--	--	--	--	--	--
Butylated Hydroxytoluene (ug/l)		--	--	--	--	--	--	--	--	--	--
1-Decene (ug/l)		--	--	--	--	--	--	--	--	--	--
Cyclohexasiloxane, dodecamethyl- (ug/l)		--	--	--	--	--	--	--	--	--	--
2,5-Cyclohexadiene-1,4-dione,2 (ug/L)		--	--	--	--	--	--	--	--	--	--
Heptacosane (ug/l)		55	--	--	--	--	--	--	--	--	--
Heptacosane Isomer1 (ug/l)		62	--	--	--	--	--	--	--	--	--
Heptacosane Isomer2 (ug/l)		63	--	--	--	--	--	--	--	--	--
Tetratetracontane		56	--	--	--	--	--	--	--	--	--
Ukn (possible Furan, ug/l)		--	--	--	--	--	--	--	--	--	--
Ukn (possible carboxylic acid) ug/l)		--	--	--	--	--	--	--	--	--	--
Ukn (possible column bleeding) ug/l)		--	--	--	--	--	--	--	--	--	--
Unknown #1 (ug/l)		--	--	--	--	--	--	--	--	--	--
Unknown #2 (ug/l)		--	--	--	--	--	--	--	--	--	--
Unknown #3 (ug/l)		--	--	--	--	--	--	--	--	--	--
Atrazine (ug/l)	1 (ug/l)	0.63	0	--	--	--	--	--	--	--	--
Perchlorate (ug/l)	6 (ug/l)	11	12	14	9.2	9	11	16	14	14	15
1,4-Dioxane (ug/l)	3 (ug/l)	0	--	0	0	0	0	0	0	0.5	1
NDMA (ng/l)	10 (ng/l)	11	8.6	7.6	0	4.5	0.96	2	0.54	2	2
1,2,3-TCP (ng/l)	5 (ng/l)	0	0	0	0	--	--	--	--	--	--
Nitrate as N (mg/l)	10 (mg/l)	11.9	14	14.9	14.2	12	14.9	16	15.8	16	16
Chromium VI (ug/l)	10 (ug/l)	2	2.2	2.2	--	--	--	--	--	--	--

0 1/2 MCL >= MCL

La Puente Valley County Water District

112 N First St.
La Puente, CA 91744

TABLE 16

HISTORICAL LEVELS FOR BIG DALTON WELL AT 410’
2007-2017

San Gabriel Valley Water Company
Historical Levels for Well B6C

Contaminant	MCL or NL	San Gabreil Valley Water Company Well B6C									
		07-08	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17
VOCs											
TCE (ug/l)	5 (ug/l)	9.5	7.6	4.6	72	2.5	3	3.1	1.3	1.3	
PCE (ug/l)	5 (ug/l)	1	0.73	0.61	1.4	0.62	--	--	--	--	
CTC (ug/l)	0.5 (ug/l)	0	0	0	--	--	--	--	--	--	
1,2-DCA (ug/l)	0.5 (ug/l)	0.83	0.73	0.55	2.8	--	--	--	--	--	
Carbon Disulfide (ug/l)	160 (ug/l)	0	--	--	--	--	--	--	--	--	W
Carbon Tetrachloride (ug/l)	0.5 (ug/l)	--	--	--	7.9	--	--	--	--	--	e
Chloroform (ug/l)	80 (ug/l)	0.88	0.78	0.74	2.2	--	--	0.75	0.59	0.62	l
cis-1,2-Dichloroethene	6 (ug/l)	--	0	0	1.2	--	--	--	--	--	l
Dibromochloromethane (ug/l)	80 (ug/l)	0	--	--	--	--	--	--	--	--	
Dichlorodifluoromethane (ug/l)	1000* (ug/l)	0	0	0	1.4	--	--	--	--	--	D
VOC TICs		0		0	0	0	--	0	0	0	r
Unknown #1		--	2.1	--	--	--	--	--	--	--	y
Unknown #1 (possible ethanol)			--	--	--	--	1.8	--	--	--	
SVOCs		0	0	0	0	0	0	0	0	0	S
Bis(2-chloroethyl)ether		--	--	0	--	--	--	--	--	--	a
Bis(2-Ethylhexy) Phthalate (ug/l)		--	--	--	--	--	--	--	--	--	m
SVOC TICs				0	0		0	0		--	p
Benzenesulfonamide, N,4-dim.. (ug/l)		--	--	--	--	--	--	--	--	--	l
Butylated Hydroxytoluene (ug/l)		--	--	--	--	--	--	--	--	--	e
1-Decene (ug/l)		--	--	--	--	--	--	--	--	--	s
Cyclohexasiloxane, dodecamethyl- (ug/l)		--		--	--	2.6	--	--	--	--	
2,5-Cyclohexadiene-1,4-dione,2 (ug/L)		--	--	--	--	--	--	--	--	--	C
Heptacosane (ug/l)		--	--	--	--	--	--	--	--	--	o
Heptacosane Isomer1 (ug/l)		--	--	--	--	--	--	--	--	--	u
Heptacosane Isomer2 (ug/l)		--	--	--	--	--	--	--	--	--	l
Tetratetracontane		--	--	--	--	--	--	--	--	--	d
Ukn (possible Furan, ug/l)		--	5.4	--	--	--	--	--	--	--	
Ukn (possible carboxylic acid) ug/l)		--	--	--	--	8	--	--	--	--	N
Ukn (possible column bleeding) ug/l)		--	--	--	--	7.3	--	--	--	--	o
Unknown #1 (ug/l)		--	--	--	--	7.9	--	--	34	14	t
Unknown #2 (ug/l)		--	--	--	--	--	--	--	--	--	
Unknown #3 (ug/l)		--	--	--	--	--	--	--	--	--	B
Atrazine (ug/l)	1 (ug/l)	0	0	--	--	--	--	--	--	--	e
Perchlorate (ug/l)	6 (ug/l)	29	28	23	71	22	22	23	16	18	
1,4-Dioxane (ug/l)	3 (ug/l)	0	--	0	2	0	0	0	0	0	T
NDMA (ng/l)	10 (ng/l)	99	130	39	150	6.9	6.9	11	2.7	0	a
1,2,3-TCP (ng/l)	5 (ng/l)	0	0	0	0	0	0	0	0	0	k
Nitrate as N (mg/l)	10 (mg/l)	16.9	19.7	20.3	3.8	20.1	20.1	21	21.9	22	e
Chromium VI (ug/l)	10 (ug/l)	3.1	4	3.9	--	--	--	--	--	--	n

0 1/2 MCL >= MCL

La Puente Valley County Water District
112 N First St.
La Puente, CA 91744

TABLE 17
HISTORICAL LEVELS FOR WELL 6BC
2007-2017

Upcoming Events

To: Honorable Board of Directors

From: Rosa Ruehlman, Office Administrator *RBR*

Date: 10/23/17

Re: Upcoming Board Approved Events for 2017

Day/Date	Event	***Aguirre***	***Escalera***	***Hastings***	***Hernandez***	***Rojas***
Thursday, October 26, 2017	Water Replenishment of Souther n California Ground Water Reliability Project at 11:00 at the GRIP Facility in Pico Rivera, CA					
Wednesday, November 8, 2017	San Gabriel Valley Water Association Breakfast at 8:30 a.m. at the Pomona Valley Mining Co. in Pomona, CA		X	X		X
Thursday, November 16, 2017*	SCWUA Luncheon at the Pomona Fairplex (3rd Thursday due to Thanksgiving)	X	X	X		X
Tuesday – Thursday, November 28-December 1, 2017	ACWA 2017 Fall Conference in Anaheim Marriott Hotel in Anaheim, CA **Registration is now Open**		X			
Thursday, December 7, 2017*	SCWUA Luncheon at the Pomona Fairplex (Will be held on 1st Thursday)	X	X	X	X	X

SGVWA – San Gabriel Valley Water Association Quarterly Luncheons, are held on the Second Wednesday of February, May, August and November at 8:00 or 11:30 am (Location and Time are to be determined)

SCWUA – Southern California Water Utilities Association Luncheons are typically held on the fourth Thursday of each month with the exception of December due to the Christmas holiday and are held at the Pomona Fairplex in Pomona, CA. (Dates are subject to change)

Upcoming Meeting:

- No other meetings at this time.

Board Member Training and Reporting Requirements:

NEXT DUE DATE

Schedule of Future Training and Reporting for 2016	Aguirre	Escalera	Hastings	Hernandez	Rojas
Ethics 1234 **2 year Requirement**	**11/22/18**	**12/01/18**	**12/01/18**	**10/11/18**	**9/26/19**
Sexual Harassment **2 Year Requirement**	**12/01/17**	**12/01/17**	**05/09/19**	**10/10/18**	**05/09/19**
Form 700 **Annual Requirement**	**04/01/18**	**04/01/18**	**04/01/18**	**04/01/18**	**04/01/18**
Form 470 Short Form **Semi Annual Requirement**	**07/31/18**	**07/31/18**	**07/31/18**	**07/31/18**	**07/31/18**

If you have any questions on the information provided or would like additional information, please contact me at your earliest convenience.

Lagerlof Senecal Gosney & Kruse LLP

301 NORTH LAKE AVENUE, 10TH FLOOR
PASADENA, CALIFORNIA 91101
PHONE: (626) 793-9400 • FAX (626) 793-5900

William F. Kruse
E-MAIL: WFKRUSE@lagerlof.com

MEMORANDUM

To: Los Angeles County Independent Special Districts

From: William F. Kruse, Special Counsel

Date: October 6, 2017

Subject: Nomination of Candidate; LAFCO Representative and Alternate

As you know, since 1994 special districts in Los Angeles County have been represented by two members of the Local Agency Formation Commission. The term of office of one of those representatives, E.G. "Jerry" Gladbach, expires in May 2018 and the term of Alternate, Joseph T. Ruzicka, also expires in May 2018. On behalf of the special districts of Los Angeles County, LAFCO has appointed us to assist in conducting the election to fill this position.

By law, independent special district seats on LAFCO are filled by the Special District Selection Committee. That Committee is made up of the presiding officers of each independent special district in Los Angeles County.

In order to expedite the process of electing a representative, I have included a form to be used to nominate candidates for consideration for both positions. After nominations are received, each district will receive a complete package of nominee resumes, together with a ballot for consideration by the presiding officer of your board. Voting will be conducted by mailed ballot.

Nominations for the Committee's consideration are welcome. Please provide as much relevant information about the candidate as reasonably possible. Any biographical information and/or candidate statement should be **limited to one page**. Please remember that, to be eligible, the nominee must be an elected official or appointed to your board for a fixed term. Nominations must be received in the office of Lagerlof, Senecal, Gosney & Kruse, **ATTN: WILLIAM F. KRUSE**, no later than **5:00 p.m. on December 21, 2017**.

Please feel free to contact me directly with any questions.
Voice: (626) 793-9400
Fax: (626) 793-5900

NOMINATION
OF
INDEPENDENT SPECIAL DISTRICT **REPRESENTATIVE**
TO THE
LOS ANGELES COUNTY LOCAL AGENCY FORMATION COMMISSION

To: Independent Special District Selection Committee

From: _____

Date: _____

Name of Candidate: _____

_____ is pleased to nominate

_____ as a candidate for appointment as special district **REPRESENTATIVE** to the Los Angeles Local Agency Formation Commission. The nominee is an elected official or a member of the board of an independent special district appointed for a fixed term. For your consideration, we submit the following additional information together with a resume of the candidate's qualifications.

Elective office: _____

Agency: _____

_____

Type of Agency: _____

Term Expires: _____

Residence Address: _____

_____

Telephone: _____

PLEASE ATTACH RESUME OR CANDIDATE STATEMENT (limit one page)

_____
(Name of Agency)

By: _____
Its: _____

NOMINATION
OF
INDEPENDENT SPECIAL DISTRICT REPRESENTATIVE **(ALTERNATE)**
TO THE
LOS ANGELES COUNTY LOCAL AGENCY FORMATION COMMISSION

To: Independent Special District Selection Committee

From: _____

Date: _____

Name of Candidate: _____

_____ is pleased to nominate

_____ as a candidate for appointment as **ALTERNATE** special district representative to the Los Angeles Local Agency Formation Commission. The nominee is an elected official or a member of the board of an independent special district appointed for a fixed term. For your consideration, we submit the following additional information together with a resume of the candidate's qualifications.

Elective office: _____

Agency: _____

_____

Type of Agency: _____

Term Expires: _____

Residence Address: _____

_____

Telephone: _____

(please attach resume - one page only)

_____
(Name of Agency)

By: _____
Its: _____