### CITY OF LOMITA



# Cypress Water Production Facility Monthly Status Report

**June 2017** 

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#### CITY COUNCIL

MARK WARONEK MICHAEL G. SAVIDAN JIM GAZELEY HENRY SANCHEZ, JR BEN TRAINA



#### **ADMINISTRATION**

RYAN SMOOT
CITY MANAGER

### **CITY OF LOMITA**

July 10, 2017

Mr. Paul Williams, P.E.
District Engineer – Hollywood District
State Water Resources Control Board – Division of Drinking Water
500 North Central Avenue, Suite 500
Glendale, CA 91203

<u>Subject: System No. 1910073 - Monthly Report for the Cypress Water Production Facility</u> (CWPF) for the period of June 1 through June 30, 2017.

Dear Mr. Williams,

In accordance with the Department of Public Health temporary approval letter dated March 15, 2013 and Permit Amendment No. 1910073, I am submitting the following report for the Cypress Water Production Facility operations for the month of June 2017.

If you should have any questions or concerns, please contact me at 310-325-7110 Ext. 124.

Sincerely,

Mark A. McAvoy, P.E.

Public Works Director/City Engineer

#### A. BACKGROUND

On March 15, 2013, the City of Lomita received conditional approval from the Department of Public Health (DPH) to distribute blended water from the Cypress Water Production Facility (CWPF) Well No. 5 to the City's customers.

The CWPF is an iron-manganese greensand filtration treatment system designed to remove primarily iron, manganese, and color. The CWPF was recently modified to enable aeration and blending with Metropolitan Water District (MWD) imported water to address the aesthetic secondary issues of Total Dissolved Solids (TDS), Hardness (as Calcium Carbonate), and Taste/Odor.

The CWPF came online on April 1, 2013. The first week of operations from April 1 to April 5, 2013 was utilized for conducting routine startup activities. The distribution of blended water to the City's residents began on April 5, 2013.

#### **B. WELL PRODUCTION**

The CWPF operated continuously during the month of June 2017 maintaining water levels inside the reservoir ranging from 7 feet to 10 feet. The average flow from Well No. 5 was 503 gpm and 503 gpm from MWD. The blend ratio for month was 50% Well water and 50% MWD water. See Table 1 below for production totals for the month of May 2017.

Table 1. Monthly Production Totals.

	Production for June 2017							
Well No. 5	60.37	ac-ft	(19,669,228 gallons)					
MWD	59.59	ac-ft	(19,419,000 gallons)					
Combined Total	119.96	ac-ft	(39,088,228 gallons)					
Daily	3.87	ac-ft/day	(1,302,941 gallons/day)					

### C. OPERATIONAL INTERRUPTIONS

There were no operational interruptions during the month of June 2017. Routine and preventive maintenance was performed on various pieces of equipment as-needed. No major planned operational interruptions are anticipated for the following month.

#### D. SAMPLE LOCATIONS

Compliance monitoring is performed at the following sample locations: SP1, SP2, SP3, SP5, and SP6. The SP1 sample location is the raw well water sample location. The SP2 sample location is on the effluent side of the greensand filter (before ammonia injection or full chloramination). The SP3 sample location is downstream of the greensand filter after full chloramination and the static mixer before entering the reservoir. The SP5 sample location is the reservoir effluent sample location before entering the distribution system. The SP6 sample location is the MWD source sample location before blending occurs.

#### E. WATER QUALITY MONITORING

All water quality monitoring analyses were performed by laboratories certified by the Department of Health's Environmental Laboratory Accreditation Branch (ELAB). The CWPF has been continuously monitored, maintained and inspected, per the CWPF Operations Monitoring and Maintenance Plan. A brief discussion of the laboratory and/or monitoring results is provided below. Refer to Appendix A for laboratory results.

#### E1. IRON, MANGANESE AND COLOR

See Table 2 below for a summary of the results for the compliance monitoring at the three sample locations SP1 through SP3. Color for raw water (SP1) was below the MCL. Iron and Manganese in the raw water (SP1) for the month were below and above the MCL, respectively. Iron and Manganese levels before entering the reservoir (SP3) show non-detect, indicating the greensand filtration system remains highly effective.

### **E2. FREE AND TOTAL CHLORINE RESIDUALS**

Daily free chlorine residuals were monitored at SP2, SP3, SP4 and SP5. Daily total chlorine residuals were monitored at SP3, SP4 and SP5. Free chlorine and total chlorine residuals, at all respective sample points, were monitored using a combination of continuous chlorine analyzers and SCADA. See Table 3 below for a weekly summary of results.

### E3. TOTAL DISSOLVED SOLIDS (TDS), ODOR, HARDNESS AND METHANE

See Table 4 below for a summary of the results for the monitoring of Total Dissolved Solids (TDS), Odor (as measured by the Threshold Odor No. - T.O.N.), Total Hardness as Calcium Carbonate, and Methane levels in water at three sample locations SP1, SP5 and SP6.

### E3-1 TOTAL DISSOLVED SOLIDS (TDS)

The sampling results indicate the TDS levels of the effluent blended water to be on average 615 mg/L. The TDS level of the effluent water meets the City's Water Quality Objective/Goal of 500 to 750 mg/L. The sampling results indicate the TDS levels in the raw water and MWD water source to be 850 mg/L and 360 mg/L, respectively.

#### E3-2 HARDNESS

The sampling results for the month indicate the hardness levels of the blended water to be on average 240 mg/L. This hardness level is within the City's Water Quality Objective/Goal of 180 to 250 mg/L; staff continues to monitor hardness levels at the CWPF effluent (SP5) and within the water distribution system. The City has maintained a consistent blend ratio to ensure acceptable hardness levels are met.

Staff continues to use an orthophosphate/polyphosphate additive to sequester calcium hardness. Orthophosphate/Polyphosphate is a food grade National Sanitation Foundation (NSF 60) approved additive which decreases iron tuberculation, diminishes calcium scale deposits, minimizes corrosion, reduces discoloration, reduces staining and mineral build-up resulting in fewer customer complaints.

### E3-3 DISSOLVED METHANE (IN WATER)

The methane levels in the CWPF effluent after aeration treatment remain negligible averaging 0.43 mg/L.

### E3-4 METHANE (IN AIR)

The methane levels in the reservoir headspace are monitored daily by staff using a handheld device. These readings have consistently read non-detect to low concentrations for methane in air. Available methane hand held monitoring instruments can only detect levels of 1% Lower Explosive Limit (LEL) or greater. The handheld methane readings during the month were below the 50,000 ppm LEL. See attached methane log for the month of June 2017 in Appendix B.

#### **E3-5 ODOR**

The odor levels at the CWPF effluent averaged 3.3 units for the month.

#### **E4. NITRIFICATION MONITORING**

Weekly Nitrification sampling was performed during the month of June 2017, see Appendix C.

### F. TABLES

Table 2. Monitoring Results for SP1, SP2, and SP3 Sample Locations.

SP1, Well Raw Water Discharge					SP2, Combined Pressure Filter Effluent			SP3, After chloramination static mixer; reservoir entry								
Date, week of	Iron, ug/L	*MCL = 3 00 ug/L	Manganese, ug/L	*MCL = 50 ug/L	Color	*MCL=15	Total Coliform	Total Coliform	HPC, MPN/100mL	MCL=500	Iron, mg/L	*MCL = 300 ug/L	Manganese, mg/L	*MCL = 50 ug/L	Color	*MCL=15
6/7/2017											ND	300	ND	50	ND	15
6/14/2017	230	300	170	50	10	15	Α	Α	А	500	ND	300	ND	50	5	15
6/21/2017											ND	300	ND	50	5	15
6/28/2017											ND	300	ND	50	5	15

Notes:

Monthly- Orange; Weekly- Yellow

A – Absent

ND - Non Detect

\*Per the SWRCB Drinking Water "Chemicals and Contaminants in Drinking Water" Regulations

Table 3. Monitoring Results for Free and Total Chlorine at SP2, SP3, SP4 and SP5 Sample Locations.

Date,	SP2		SP3			SP4		SP5			
week of	Free CI	Free CI	Total CI	Total NH <sub>3</sub>	Free CI	Total CI	Total NH <sub>3</sub>	Free CI	Total CI	Total NH <sub>3</sub>	
6/7/2017	4.48	0.44	4.90	1.09	0.52	4.21	0.84	0.07	3.29	0.68	
6/14/2017	5.23	0.74	4.36	0.91	0.45	4.16	0.74	0.06	3.33	0.71	
6/21/2017	4.66	0.47	5.20	1.01	0.46	4.08	0.75	0.08	3.46	0.82	
6/28/2017	4.66	0.51	4.84	1.01	0.49	3.92	0.79	0.06	3.45	0.73	

Table 4. Monitoring Requirements and Frequencies for SP1, SP5, and SP6.

		TD	S, mg/L	- - -	T.C	T.O.N.		Hardr	Methane (Water), mg/L			
Date, week of	SP1 - Raw Well Water	SP6 - MWD Water	SP5 - Reservoir Effluent	Goal= 500 - 750 mg/L	SP5 - Reservoir Effluent	MCL= 3	SP1 - Raw Well Water	SP6 - MWD Water	SP5 - Reservoir Effluent	Goal= 180 - 250 mg/L	SP1 - Raw Well Water	SP5 - Reservoir Effluent
6/7/2017			670	500-750	2	3						0.40
6/14/2017	850	360	580	500-750	5	3	360	120	230	180-250	3	0.53
6/21/2017			650	500-750	3	3					. 1	0.45
6/28/2017			560	500-750	3	3						0.44
Average			615	500-750	3.3	3						0.43

#### Notes:

Monthly- <u>Orange</u>; Weekly- <u>Yellow</u> ppm – parts per million mg/L – milligram per liter T.O.N. - Threshold Odor Number

TDS - Total Dissolved Solids

Hardness - As total CaCO3

Methane (Water) - Methane dissolved in water

### Monthly CWPF Monitoring Report – June 2017 Cypress Water Production Facility City of Lomita; System No. 1910073

MCL/ Sample Locations Frequency 6/14 6/21 6/28 Comments 6/7 and Parameters Goal 2<sup>nd</sup>Wk 4<sup>th</sup>Wk 5<sup>th</sup>Wk 1stWk 3rdWk and/or Other Info. or Mo. Result (date) SP1 --- Also called Well 5 Raw Water or Site#1. Monthly See SP5 850 Operations Data/Information: Chlorine injected after TDS, ppm 6/14/17 SP1, before entering **CWPF** operation days the greensand filter. See SP5 Hardness Monthly 360 6/14/17 On Well 5: Daily average flow - 503 gpm; total prod. See SP5 Monthly CH4, ppm 3 6/14/17 Combined Well 5/MWD data: Average Well 5: MWD See SP3 230 Monthly Iron, ppb blend Ratio - 50% WELL:50% MWD; total prod.-6/14/17 Manganese, ppb Monthly See SP3 170 6/14/17 Chlorine Dosage: N/A\* See SP3 Monthly Color, units 10 6/14/17 Total Coliform, P or A Monthly A A 6/14/17 SP2 --- Also called Filter Effluent or Site#3. Ammonia added after Total Coliform, P or A Monthly filter effluent Ammonia Dosage: N/A\* Monthly HPC,MPN/100 ml 500 Continuous Average: 4.76; Range: 4.48 - 5.23 Free CI Res, ppm SP3 --- Also called the Site After Chloramination & Before MWD Blending or Site#4. 300 Weekly ND ND ND ND Iron, ppb Manganese, ppb Weekly 50 ND ND ND ND Weekly Color 15 ND 5 Continuous Free and Total CI Res. Free Cl: Average: 0.54; Range: 0.44 - 0.74 Total Cl: Average: 4.82; Range: 4.36 - 5.20 ppm Ammonia: Average: 1.00; Range: 0.91 – 1.09 SP4 --- Also called Reservoir Influent or the Site Well 5/MWD Water Blend Point/Phosphate Injection. Phosphate Dosage: 0.40 mg/L Phosphate Injection CI/NH3 Ratio: Continuous Free Cl: Average: 0.48; Range: 0.45 - 0.52 Free and Total CI Res, 5.25 Total CI: Average: 4.09; Range: 3.92 - 4.21 ppm Ammonia: Average: 0.78; Range: 0.74 - 0.84 SP5 --- Also called Reservoir Effluent or Site#5. SP5 discharges into Zone 1 of the distribution system. SI Goal: 500-750ppm TDS, ppm Weekly 670 580 650 560 SI Goal: Monthly Hardness 240 180-250ppm Goal: from PA % CH4 Removal: CH4, ppm Weekly 0.39 0.50 0.54 0.28 85.8 Monthly 5 3 Odor, units Continuous Free Cl: Average: 0.07; Range: 0.06 - 0.08 CI/NH3 Ratio: Free and Total CI Res, Total CI: Average: 3.38; Range: 3.29 - 3.46 4.61 ppm Ammonia: Average: 0.73; Range: 0.68 - 0.82 Headspace of the Cypress Reservoir. <sup>1</sup>CH4 ppmv; using Daily Goal -CH4 Average: 0.03% (from log) LEL Portable Device CH4 Range: 0% - 1% SP 6 --- MWD Source Feeding CWPF. Also called Zone 2 of the distribution system or Site #6. TDS, ppm Monthly 360 Monthly Hardness 120 Notes: ¹Self-Imposed (SI) Goals: TDS Goal-500-750 ppm; Hardness as CaCO3 Goal-180-250 ppm. \*\*\*This Report is due to DDW by the 10th of the following month.

### **APPENDIX A**

LABORATORY RESULTS



23 June 2017 Clinical Lab No.: 17F0681

Mark Andersen Lomita, City of 24373 Walnut Avenue Lomita, CA 91717

Project Name: Standard Analysis

Sub Project: CWPF 1st week June 2017 Compliance Sampling

Enclosed are the results of the analyses for samples received at the laboratory on 06/07/17 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

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Lomita, City ofProjectStandard AnalysisWork Order:17F068124373 Walnut AvenueSub Project:CWPF 1st week June 2017 Compliance SamplingReceived:06/07/17 15:30Lomita CA, 91717Project Manager:Mark AndersenReported:06/23/17

Reservoir Influent Site #3		17F0681-0	1 (Water)		Sample Da	<b>te:</b> 06/07/17	9:10 <b>S</b> a	ampler: I	Patrick McCue
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	5.8		N/A	mg/L	06/07/17	06/07/17	1723191	
pH (Field)	Field	7.78		N/A	pH Units	06/07/17	06/07/17	1723191	
Temperature (Field)	Field	21.4		N/A	°C	06/07/17	06/07/17	1723191	
General Physical Analyses									
Apparent Color	SM 2120BM	ND	3.0	15	Color Units	06/07/17	06/07/17	1723166	
<u>Metals</u>									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	06/14/17	06/14/17	1724069	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	06/14/17	06/14/17	1724069	
Reservoir Effluent Site #5		17F0681-0	2 (Water)		Sample Da	<b>te:</b> 06/07/17	9:20 Sa	ampler: I	Patrick McCue
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	3.6		N/A	mg/L	06/07/17	06/07/17	1723191	
pH (Field)	Field	8.04		N/A	pH Units	06/07/17	06/07/17	1723191	
Temperature (Field)	Field	20.2		N/A	°C	06/07/17	06/07/17	1723191	
General Physical Analyses									
Apparent Color	SM 2120BM	ND	3.0	15	Color Units	06/07/17	06/07/17	1723166	
Odor Threshold	EPA 140.1-M	2	1	3	TON	06/07/17	06/07/17	1723166	
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	670	5.0	1000	mg/L	06/09/17	06/13/17	1723188	
ND Analyte NOT DETECTED at or	above the reporting limit				-				



June 14, 2017



ADF-1461 EPA Methods TO3, TO14A, TO15 SIM & SCAN **ASTM D1946** 



TX Cert T104704450-14-6 EPA Methods TO14A, TO15 UT Cert CA0133332015-3 EPA Methods TO3, TO14A, TO15, RSK-175

### LABORATORY TEST RESULTS

Project Reference: 17F0681

ATTN: Stu Styles

21881 Barton Rd.

Grand Terrace, CA 92313

Lab Number:

I060802-01

Enclosed are results for sample(s) received 6/08/17 by Air Technology Laboratories. Samples were received intact and properly chilled. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson Operations Manager MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

### SUBCONTRACT ORDER

## Clinical Laboratory of San Bernardino 17F0681

T060802-4

618117

Date / Time

1026

SENDING LABORATORY:		RECEIVING LABORATORY:	
Clinical Laboratory of San Bern	ardino	Air Technology Labs	
21881 Barton Road		18501 East Gale Avenue Suite 130	
Grand Terrace, CA 92313		City of Industry, CA 91748	
Phone: 909.825.7693		Phone :(626) 964-4032	
Fax: 909.825.7696		Fax:	
Project Manager: Stu Styles			
Please email results to Project M. [ ] glaubig@clinical-lab.com	fanager: Stu Styles [ ] ybarra@clinical-lab.com [	styles@clinical-lab.com [ ] nelson@clinical-lab.com	
California EDT transfer Water Trax Upload Clier	those samples with PS codes product:	vided []Yes [V]No []Yes [V]No	
Turn Around Time [ ] 10 I Subcontract Comments:	Days [v] 5 Days [ ] Other	Days	
Analysis		Comments	
Tanta y 515			
Sample ID: Reservoir Effluent Si	ite #5 / 17F0681-02 Sam Wat	pled: 06/07/17 09:20 PS Code: WTX ID:	
Methane RSK175		Report in mg/L	
Containers Supplied:			
Oml Amber Vial (B)	40ml Amber Vial (C)		
The state of the s	to a consideration to extend the extended of the second of	en en eur gronnen ig de la engere oan de engewen begen in de en en en en een een een een een een	s ve solid
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Bu Dh	06/08/17 07:45 Date/Time	6/8/17 8	38
Released By	Date / Time	Received By Date / Time	

Released By

Client:

**Clinical Laboratory** 

Attn:

Stu Styles

**Project Name:** 

NA

Project No.:

17F0681

Date Received:

06/08/17

Matrix:

Water

Reporting Units: mg/L

<b>RSK175</b>	
---------------	--

Lab No.:	106080	2-01								
Client Sample I.D.:	Reservoir Effluent Site #5/17F0681-02									
Date/Time Sampled:	6/7/17 9:20									
Date/Time Analyzed:	6/12/17 10:08									
QC Batch No.:	170612GC8A1									
Analyst Initials:	AS									
Dilution Factor:	1.0	)								
ANALYTE	Result mg/L	RL mg/L				_				
Methane	0.28	0.0010								

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By:

Mark Johnson

**Operations Manager** 

Date 6-14-17

The cover letter is an integral part of this analytical report

Date: 6-14-17

QC Batch No.:

170612GC8A1

Matrix:

Water

Units:

mg/L

### QC for Dissolved Gases by EPA Procedure RSKSOP-175

Lab	Lab No.:			I	LCS	L	CSD		
Date/Time An	Date/Time Analyzed:		6/12/17 8:55		6/12/17 9:08		6/12/17 9:22		
Analyst Init	Analyst Initials:		AS		AS		AS		
Data	Datafile:		12jun002		12jun003		12jun004		
Dilution Fac	Dilution Factor:		1.0		1.0		1.0		_
ANALYTE	PQL	RL	Results	% Rec.	Criteria	% Rec.	Criteria	%RPD	Criteria
Methane	0.001	0.001	ND	107	70-130%	112	70-130%	4.7	<30

**PQL = Practical Quantitation Limit** 

ND = Not Detected (Below RL).

RL = PQL X Dilution Factor

Reviewed/Approved By:

Mark J. Johnson

**Operations Manager** 

The cover letter is an integral part of this analytical report.

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Chain of Custody



30 June 2017 Clinical Lab No.: 17F1418

Mark Andersen Lomita, City of 24373 Walnut Avenue Lomita, CA 91717

Project Name: Standard Analysis

Sub Project: Monthly Compliance / Monthly 2nd Week June

Enclosed are the results of the analyses for samples received at the laboratory on 06/14/17 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

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Lomita, City ofProjectStandard AnalysisWork Order:17F141824373 Walnut AvenueSub Project:Monthly Compliance / Monthly 2nd Week JuneReceived:06/14/17 15:45Lomita CA, 91717Project Manager:Mark AndersenReported:06/30/17

	17F1418-(	01 (Water)		Sample Da	te: 06/14/17	7:25 S	Sampler: D	оGM
Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field	0		N/A	mg/L	06/14/17	06/14/17	1725009	
Field	7.53		N/A	pH Units	06/14/17	06/14/17	1725009	
Field	22.5		N/A	°C	06/14/17	06/14/17	1725009	
SM 9223	A		N/A	P/A	06/14/17	06/15/17	1724125	
SM 9223	Α		N/A	P/A	06/14/17	06/15/17	1724125	
SM9215B	270	1	500	CFU/ml	06/14/17	06/16/17	1724175	HT-08
SM 2120BM	10.0	3.0	15	Color Units	06/14/17	06/14/17	1724124	
Calculated	360	6.6	N/A	mg/L	06/22/17	06/22/17	[CALC]	
SM 2540C	850	5.0	1000	mg/L	06/21/17	06/22/17	1725090	
EPA 200.7	94	1.0	N/A	mg/L	06/22/17	06/22/17	1725116	
EPA 200.7	230	100	300	ug/L	06/23/17	06/23/17	1725160	
EPA 200.7	30	1.0	N/A	mg/L	06/22/17	06/22/17	1725116	
EPA 200.7	170	20	50	ug/L	06/23/17	06/23/17	1725160	
	17F1418-0	02 (Water)		Sample Da	<b>te:</b> 06/14/17	7:35	Sampler: D	GM
Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field	7.6		N/A	mø/L	06/14/17	06/14/17	1725009	
Field	7.53			<del>-</del>	06/14/17	06/14/17	1725009	
Field	22.8		N/A	•	06/14/17	06/14/17	1725009	
SM 9223	Α		N/A	P/A	06/14/17	06/15/17	1724125	
J / 22J	. 1		11/11	1 / 17	00/1//1/	00,10,17	.,21120	
	Field Field Field Field SM 9223 SM 9223 SM 9223 SM9215B SM 2120BM  Calculated SM 2540C  EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7 EPA 200.7	Method         Result           Field         0           Field         7.53           Field         22.5           SM 9223         A           SM 9223         A           SM 9215B         270           SM 2120BM         10.0           Calculated         360           SM 2540C         850           EPA 200.7         230           EPA 200.7         30           EPA 200.7         170           17F1418-0           Method         Result           Field         7.6           Field         7.53           Field         22.8           SM 9223         A	Field 0 Field 7.53 Field 22.5  SM 9223 A SM 9223 A SM 9223 A SM 9215B 270 1  SM 2120BM 10.0 3.0  Calculated 360 6.6 SM 2540C 850 5.0  EPA 200.7 94 1.0 EPA 200.7 230 100 EPA 200.7 30 1.0 EPA 200.7 170 20 17F1418-02 (Water)  Method Result Rep. Limit  Field 7.6 Field 7.53 Field 22.8  SM 9223 A	Method         Result         Rep. Limit         MCL           Field         0         N/A           Field         7.53         N/A           Field         22.5         N/A           SM 9223         A         N/A           N/A         N/A	Method         Result         Rep. Limit         MCL         Units           Field         0         N/A         mg/L           Field         7.53         N/A         pH Units           Field         22.5         N/A         P/A           SM 9223         A         N/A         P/A           SM 9215B         270         1         500         CFU/ml           SM 2120BM         10.0         3.0         15         Color Units           Calculated         360         6.6         N/A         mg/L           SM 2540C         850         5.0         1000         mg/L           EPA 200.7         94         1.0         N/A         mg/L           EPA 200.7         230         100         300         ug/L           EPA 200.7         30         1.0         N/A         mg/L           EPA 200.7         170         20         50         ug/L           Method         Result         Rep. Limit         MCL         Units           Field         7.6         N/A         pH Units           Field         7.53         N/A         N/A         P/A           SM 9223         A	Method         Result         Rep. Limit         MCL         Units         Prepared           Field         0         N/A         mg/L         06/14/17           Field         7.53         N/A         pH Units         06/14/17           Field         22.5         N/A         pH Units         06/14/17           SM 9223         A         N/A         P/A         06/14/17           SM 9223         A         N/A         P/A         06/14/17           SM 9223         A         N/A         P/A         06/14/17           SM 9215B         270         1         500         CFU/ml         06/14/17           SM 2120BM         10.0         3.0         15         Color Units         06/14/17           SM 2540C         850         5.0         1000         mg/L         06/22/17           EPA 200.7         94         1.0         N/A         mg/L         06/22/17           EPA 200.7         230         100         300         ug/L         06/23/17           EPA 200.7         170         20         50         ug/L         06/23/17           EPA 200.7         170         20         50         ug/L         06/14	Method         Result         Rep. Limit         MCL         Units         Prepared         Analyzed           Field         0         N/A         mg/L         06/14/17         06/14/17         06/14/17           Field         7.53         N/A         pH Units         06/14/17         06/14/17           Field         22.5         N/A         P/A         06/14/17         06/14/17           SM 9223         A         N/A         P/A         06/14/17         06/15/17           SM 9223         A         N/A         M/A         P/A         06/14/17         06/15/17           SM 9223         A         N/A         M/A         mg/L         06/14/17         06/14/17           SM 9223         A         10.0         3.0         15         Color Units         06/14/17         06/22/17	Method         Result         Rep. Limit         MCL         Units         Prepared         Analyzed         Batch           Field         0         N/A         mg/L         06/14/17         06/14/17         1725009           Field         7.53         N/A         pH Units         06/14/17         06/14/17         1725009           SM 9223         A         N/A         P/A         06/14/17         06/15/17         1724125           SM 9223         A         N/A         P/A         06/14/17         06/15/17         1724125           SM 9215B         270         1         500         CFU/ml         06/14/17         06/16/17         1724125           SM 2120BM         10.0         3.0         15         Color Units         06/14/17         06/14/17         1724124           Calculated         360         6.6         N/A         mg/L         06/22/17         06/22/17         1725124           SM 2540C         850         5.0         1000         mg/L         06/21/17         06/22/17         1725160           EPA 200.7         94         1.0         N/A         mg/L         06/23/17         06/23/17         1725160           EPA 200.7         30<



06/30/17

Reported:

Lomita, City ofProject:Standard AnalysisWork Order:17F141824373 Walnut AvenueSub Project:Monthly Compliance / Monthly 2nd Week JuneReceived:06/14/17 15:45

Lomita CA, 91717 Project Manager: Mark Andersen

Filter Effluent (Total Chlorine) Site #3		17F1418-0	3 (Water)		Sample Da	te: 06/14/17	7:35 <b>Sa</b>	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	7.9		N/A	mg/L	06/14/17	06/14/17	1725009	
pH (Field)	Field	7.61		N/A	pH Units	06/14/17	06/14/17	1725009	
Temperature (Field)	Field	22.8		N/A	°C	06/14/17	06/14/17	1725009	
General Physical Analyses									
Apparent Color	SM 2120BM	5.0	3.0	15	Color Units	06/14/17	06/14/17	1724124	
<u>Metals</u>									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	06/23/17	06/23/17	1725160	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	06/23/17	06/23/17	1725160	
Zone #2 Site #6		17F1418-0	04 (Water)		Sample Da	te: 06/14/17	7:40 <b>Sa</b>	mpler: D	GM
	Method	<b>17F1418-</b> 0	<b>04 (Water)</b> Rep. Limit	MCL	Sample Da	Prepared	7:40 Sa Analyzed	mpler: De	GM Qualifier
Analyte	Method			MCL					
Analyte	Method Field			MCL N/A					
Analyte Field Analyses		Result			Units	Prepared	Analyzed	Batch	
Analyte Field Analyses Cl Res Total (Field)	Field	Result		N/A	Units mg/L	Prepared 06/14/17	Analyzed 06/14/17	Batch 1725009	
Analyte  Field Analyses  Cl Res Total (Field)  pH (Field)  Temperature (Field)	Field Field	2.4 8.6		N/A N/A	Units  mg/L pH Units	Prepared 06/14/17 06/14/17	Analyzed  06/14/17  06/14/17	Batch 1725009 1725009	
Analyte  Field Analyses  Cl Res Total (Field)  pH (Field)  Temperature (Field)	Field Field	2.4 8.6		N/A N/A	Units  mg/L pH Units	Prepared 06/14/17 06/14/17	Analyzed  06/14/17  06/14/17	Batch 1725009 1725009	
Analyte  Field Analyses  Cl Res Total (Field)  pH (Field)  Temperature (Field)  General Chemical Analyses	Field Field Field	2.4 8.6 17.9	Rep. Limit	N/A N/A N/A	Units  mg/L pH Units °C	Prepared  06/14/17  06/14/17  06/14/17	Analyzed  06/14/17  06/14/17  06/14/17	Batch 1725009 1725009 1725009	
Analyte  Field Analyses Cl Res Total (Field) pH (Field) Temperature (Field) General Chemical Analyses Hardness, Total (as CaCO3) Total Filterable Residue/TDS	Field Field Field Calculated	2.4 8.6 17.9	Rep. Limit	N/A N/A N/A	Units  mg/L pH Units °C  mg/L	Prepared  06/14/17  06/14/17  06/14/17  06/22/17	Analyzed  06/14/17  06/14/17  06/14/17  06/22/17	Batch  1725009 1725009 1725009 [CALC]	
Field Analyses  Cl Res Total (Field)  pH (Field)  Temperature (Field)  General Chemical Analyses  Hardness, Total (as CaCO3)	Field Field Field Calculated	2.4 8.6 17.9	Rep. Limit	N/A N/A N/A	Units  mg/L pH Units °C  mg/L	Prepared  06/14/17  06/14/17  06/14/17  06/22/17	Analyzed  06/14/17  06/14/17  06/14/17  06/22/17	Batch  1725009 1725009 1725009 [CALC]	



Lomita, City ofProject:Standard AnalysisWork Order:17F141824373 Walnut AvenueSub Project:Monthly Compliance / Monthly 2nd Week JuneReceived:06/14/17 15:45Lomita CA, 91717Project Manager:Mark AndersenReported:06/30/17

Reservoir Effluent Site #5		17F1418-0	5 (Water)		Sample Da	ote: 06/14/1	7 7:55 <b>Sa</b>	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	3.75		N/A	mg/L	06/14/17	06/14/17	1725009	
pH (Field)	Field	7.8		N/A	pH Units	06/14/17	06/14/17	1725009	
Temperature (Field)	Field	19.4		N/A	°C	06/14/17	06/14/17	1725009	
General Physical Analyses									
Odor Threshold	EPA 140.1-M	5	1	3	TON	06/14/17	06/14/17	1724124	
General Chemical Analyses									
Hardness, Total (as CaCO3)	Calculated	240	13	N/A	mg/L	06/22/17	06/22/17	[CALC]	
Total Filterable Residue/TDS	SM 2540C	580	5.0	1000	mg/L	06/21/17	06/22/17	1725090	
<u>Metals</u>									
Calcium (Ca)	EPA 200.7	60	2.0	N/A	mg/L	06/22/17	06/22/17	1725116	
Magnesium (Mg)	EPA 200.7	21	2.0	N/A	mg/L	06/22/17	06/22/17	1725116	

HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

ND Analyte NOT DETECTED at or above the reporting limit



June 22, 2017



ADE-1461 EPA Methods TO3, TO14A, TO15 SIM & SCAN **ASTM D1946** 



TX Cert T104704450-14-6 EPA Methods TO14A, TO15

UT Cert CA0133332015-3 EPA Methods TO3, TO14A, TO15, RSK-175

Clinical Laboratory of San Bernardino ATTN: Stu Styles 21881 Barton Rd. Grand Terrace, CA 92313

### LABORATORY TEST RESULTS

Project Reference: 17F1418

Lab Number:

I061602-01/02

Enclosed are results for sample(s) received 6/16/17 by Air Technology Laboratories. Samples were received intact and properly chilled. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely

Mark Johnson

Operations Manager

MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

### SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino 17F1418

		1
IOG1602	- Ni	XA
2001900	Oil	0

SENDING I	LABORATORY:
-----------	-------------

Clinical Laboratory of San Bernardino

21881 Barton Road Grand Terrace, CA 92313

### **RECEIVING LABORATORY:**

Air Technology Labs 18501 East Gale Avenue Suite 130 City of Industry, CA 91748 Phone: (626) 964-4032

Phone: 909.825.7693 Fax: 909.825.7696 Project Manager: Stu Styles		Phone :(626) Fax:	964-4032		
Water Trax Upload Clie	[ ] ybarra@clinical-lab. r those samples with PS co	odes provided [ ] Yes		nelson@clinical-la	ab.com
Analysis	8 a			Comments	
Sample ID: Raw Water Site #1 /	/ 17F1418-01	Sampled: 06/14/17 07 Water	7:25 PS Code: WTX	(ID:	ta ita ji a manasa kan ki jaki ki ja - man
Methane RSK175			8 L	Report in mg/L	
Containers Supplied: 40ml Amber Vial (B)	40ml Amber V	Vial (C)			
Sample ID: Reservoir Effluent S		Sampled: 06/14/17 07 Water	:55 PS Code: WTX	ID:	
Methane RSK175		1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		Report in mg/L	
Containers Supplied:				· · · · · · · · · · · · · · · · · · ·	
40ml Amber Vial (B)	40ml Amber \	/ial (C)			
	7 J. 3				

Released By Date / Time Received By Date / Time Date / Time Received By Date / Time / Date / Date / Time / Date / Time / Date / Date

Client:

Clinical Laboratory

Attn:

Stu Styles

Project Name:

NA

Project No.:

17F1418

Date Received:

06/16/17

Matrix:

Water

Reporting Units: mg/L

RSK175

Lab No.:	I06160	2-01	I06160	2-02		
Client Sample I.D.:	Raw Wat #1/17F1		Reservoir Effluent Site #5/17F1418-05			
Date/Time Sampled:	6/14/17	7:25	6/14/17 7:55			
Date/Time Analyzed:	6/19/17	13:40	6/19/17 13:27			
QC Batch No.:	170619GC8A1		170619GC8A1			
Analyst Initials:	AS	S	AS			
Dilution Factor:	1.0	)	1.0	)		
ANALYTE	Result mg/L	RL mg/L	Result mg/L	RL mg/L		
Methane	3.0	0.0010	0.39	0.0010		

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By:	MMM - 1
	Mark Johnson

Date 4 22 17

Operations Manager

The cover letter is an integral part of this analytical report

QC Batch No.:

170619GC8A1

Matrix:

Water

Units:

mg/L

### QC for Dissolved Gases by EPA Procedure RSKSOP-175

Lab	No.:	Metho	d Blank	I	LCS	L	CSD		
Date/Time An	alyzed:	6/19/17 8:42		6/19/	17 9:50	6/19/	17 10:04		
Analyst Init	ials:	1	AS		AS		AS		
Data	file:	19j	un002	195	un007	19 <u>j</u>	un008		
Dilution Fac	ctor:	1	1.0		1.0	1	1.0		
ANALYTE	PQL	RL	Results	% Rec.	Criteria	% Rec.	Criteria	%RPD	Criteria
Methane	0.001	0.001	ND	107	70-130%	102	70-130%	4.6	<30

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL).

RL = PQL X Dilution Factor

Reviewed/Approved By:	MAN.	L	Date:	chrh
	Mark J. Johnson	1		
	Operations Manager			

The cover letter is an integral part of this analytical report.

814121

23

Chain of Custody

Client		City	City of Lomita	Sy	stem N	System Number		Analysis		Requested	sted				
Address		24373 \	24373 Walnut Avenue		9	1010073									
		Lomi	Lomita, CA 91717		0		•						141	M	
Phone #	8	(310)	(310) 325-9830	0	estinati	Destination Laboratory	ıtory				He			-4h	
Fax#		(310)	(310) 325-3627	ٺ	X] Clinic	[X] Clinical Laboratory	tory		Iro	T	tetr		ane		
Project		Stand	Standard Analysis	•	RWQCB	RWQCB Compliance	)ce			otal	oph	(			
Sub Project	-	Monthly Com	Monthly Compliance/ Monthly 2nd			YES			C. Co		ic F	Colo	Odo	ardı	
2501 - 250		wee	week of JUNE		Ū	ELAP#					Plate	or			
Comments					~	4000	*	Solid	nese	rm	e Cou		(No.	(RS	
Sampled by	<b>&gt;</b>		DGM		_	000		ls			ınt		K1/5		
Date	Time	Sample	Sample Idenitification	Matrix	Type	Preserv	Total Chlorine						) 	`	
6/14/17	2210	Raw 1	Raw Water Site #1	GW	WI	N/A	0.0	X	×			×			PH7,53TEMP225
6/14/17	0725	Raw	Raw Water Site #1	GW	WI	2,7			×	×	×			X	
C1/1/1/9		Raw	Raw Water Site #1	GW	1W	1,7								р.	
6/14/17	0735	Filter Effluent	Filter Effluent (Free Chlorine) Site#2	DW	1W	1,7	7.6		×	X	×				PH 7,53 TEMP 22.8°
11/11/07	0735	Filter Effluent (	Filter Effluent (Total Chlorine) Site#3	DW	1W	N/A	7.9		×			×			
11/11/9	0740	Zon	Zone #2 Site #6	DW	q1	N/A	4.7	X						×	PH 8,60 TEMP 17.9
•		,													
4/4/19	5520	Reservoir	Reservoir Effluent Site #5	DW	1D	N/A	3.75	×			va .		×	×	PH 7.80 TEMP 19.4°
L/4/1/9	0755	Reservoir	Reservoir Effluent Site #5	MQ	Q1	2,7							-	×	
Preservatives:	: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2)	Ervatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCI (3) HNO3 (4 (5) H2SO4 (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other	(4) NH4CI		Mat	rix: DIW-Dı Tvo	Matrix: DW-Drinking Water, WW-Waste Water, Type-1-Routine 2-Repeat 3-Replac	ter, WW	-Wast	e Wate	r, SW	SW-Storm Water,	Wate	, GW.	V-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, A-Air Tyne- 1-Routine 2-Reneat 3-Renlacement 4-Special W.Well D. Diet
Reling	Relinquished By (Sign)	Vign)	Print Name / Company		*	Date / Time	Time			Received By	ed By	(Sign)		-	Print Name / Company
Patrick McCue	ds ds		City of Lomita, CA		11/0)	111	12,00	7		E		0			Clucar Ling
Petra	or mel	-6		, ,	7	C - 7	/3:4¢		1	$\square$	B	14	14		7
Comments		JW	2/mazzna.c	262		Sample	Samples received:	l X	On ic	<u> </u>	[7]	Intact F	CO	Cus	Custody seals Temp 15.5
Shipped Via			[ ] Fed X [ ] Golden State		l SAN	Client	[ ] Other	7						1	Page_1_ of_1_

"Your Water and Wastewater Analysis Solution"



07 July 2017 Clinical Lab No.: 17F2006

Mark Andersen Lomita, City of 24373 Walnut Avenue Lomita, CA 91717

Project Name: Standard Analysis

Sub Project: CWPF 3rd week June, 2017 Compliance Sampling

Enclosed are the results of the analyses for samples received at the laboratory on 06/21/17 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

tistes



Lomita, City ofProject:Standard AnalysisWork Order:17F200624373 Walnut AvenueSub Project:CWPF 3rd week June, 2017 Compliance SamplingReceived:06/21/17 15:45Lomita CA, 91717Project Manager:Mark AndersenReported:07/07/17

Reservoir Influent Site #3		17F2006-0	01 (Water)		Sample Da	<b>te:</b> 06/21/17	7:55 Sa	ampler: I	Patrick McCue
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	5.79		N/A	mg/L	06/21/17	06/21/17	1725152	
pH (Field)	Field	7.65		N/A	pH Units	06/21/17	06/21/17	1725152	
Temperature (Field)	Field	23.4		N/A	°C	06/21/17	06/21/17	1725152	
General Physical Analyses									
Apparent Color	SM 2120BM	5.0	3.0	15	Color Units	06/21/17	06/21/17	1725129	
Metals									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	06/28/17	06/28/17	1726059	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	06/28/17	06/28/17	1726059	
Reservoir Effluent Site #5		17F2006-0	02 (Water)		Sample Da	te: 06/21/17	8:10 Sa	ampler: I	Patrick McCue
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	3.52		N/A	mg/L	06/21/17	06/21/17	1725152	
pH (Field)	Field	7.92		N/A	pH Units	06/21/17	06/21/17	1725152	
Temperature (Field)	Field	20.9		N/A	°C	06/21/17	06/21/17	1725152	
General Physical Analyses									
Apparent Color	SM 2120BM	ND	3.0	15	Color Units	06/21/17	06/21/17	1725129	
Odor Threshold	EPA 140.1-M	3	1	3	TON	06/21/17	06/21/17	1725129	
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	650	5.0	1000	mg/L	06/28/17	06/30/17	1726092	
ND Analyte NOT DETECTED at o	r above the reporting limit								



June 29, 2017



ADE-1461 EPA Methods TO3, TO14A, TO15 SIM & SCAN **ASTM D1946** 



TX Cert T104704450-14-6 EPA Methods TO14A, TO15

UT Cert CA0133332015-3 EPA Methods TO3, TO14A, TO15, RSK-175

### LABORATORY TEST RESULTS

Project Reference: 17F2006

ATTN: Stu Styles

21881 Barton Rd.

Grand Terrace, CA 92313

Lab Number:

1062303-01

Enclosed are results for sample(s) received 6/23/17 by Air Technology Laboratories. Samples were received intact and properly chilled. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

### Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

**Operations Manager** 

MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

### SUBCONTRACT ORDER

## Clinical Laboratory of San Bernardino 17F2006

IX62303-01

SENDING LABORATORY:	RECEIVING LABORATORY:
Clinical Laboratory of San Bernardino 21881 Barton Road	Air Technology Labs 18501 East Gale Avenue Suite 130
Grand Terrace, CA 92313	City of Industry, CA 91748
Phone: 909.825.7693	Phone :(626) 964-4032
Fax: 909.825.7696	Fax:
Project Manager: Stu Styles	
Please email results to Project Manager: Stu Styles [ ] glaubig@clinical-lab.com [ ] ybarra@clinical-lab.com [	
California EDT transfer those samples with PS codes prov Water Trax Upload Client:	ided []Yes [/]No []Yes [/]No
Turn Around Time [ ] 10 Days [ 5 Days [ ] Other Subcontract Comments:	
Analysis	Comments
Sample ID: Reservoir Effluent Site #5 / 17F2006-02 Sample ID: Reservoir Effluent Site #5 / 17F2006-02	oled: 06/21/17 08:10 PS Code:
Water Water	WTX ID:
Methane RSK175	Report in mg/L
Containers Supplied:	

40ml Amber Vial (C)

40ml Amber Vial (B)

Client:

**Clinical Laboratory** 

Attn:

Stu Styles

**Project Name:** 

NA

Project No.:

17F2006

Date Received:

06/23/17

Matrix:

Water

Reporting Units: mg/L

	~	W TA	
К			

Lab No.:	106230	3-01			
Client Sample I.D.:	Reservoir Site #5/17I	_			
Date/Time Sampled:	6/21/17	8:10			
Date/Time Analyzed:	6/26/17 15:35				
QC Batch No.:	170626GC8A1				
Analyst Initials:	AS	3			
Dilution Factor:	1.0	)			
ANALYTE	Result mg/L	RL mg/L			
Methane	0.50	0.0010			

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By:

Mark Johnson

**Operations Manager** 

The cover letter is an integral part of this analytical report

<u>\_\_\_\_\_</u>

Date 6-2 9-17

QC Batch No.:

170626GC8A1

Matrix:

Water

Units:

mg/L

### OC for Dissolved Gases by EPA Procedure RSKSOP-175

Lab	No.:	Metho	d Blank	I	LCS	L	CSD		_
Date/Time An	alyzed:	6/26/1	7 11:55	6/26/	17 11:20	6/26/1	17 11:33		
Analyst Init	ials:	A	AS		AS	-	AS		
Data	file:	26jı	ın013	<b>26</b> j	un011	<b>26</b> j	un012		
Dilution Fac	ctor:	1	.0	1.0		1.0			
ANALYTE	PQL	RL	Results	% Rec.	Criteria	% Rec.	Criteria	%RPD	Criteria
Methane	0.0010	0.0010	ND	89	70-130%	94	70-130%	5.1	<30

**PQL** = Practical Quantitation Limit

ND = Not Detected (Below RL).

RL = PQL X Dilution Factor

Reviewed/Approved By:

**Operations Manager** 

Date: 6-79-17

The cover letter is an integral part of this analytical report.

1   24   24												-				0000 LI -	-
CN PF 3rd week Of 10/NE, 2017 Compiling   Freeze Compiling   CN PF 3rd week Of 10/NE, 2017 Compiling   Freeze Compiling   CN PF 3rd week Of 10/NE, 2017 Compiling   Freeze Compiling   Freeze Compiling   CN PF 3rd week Of 10/NE, 2017 Compiling   Freeze Fre	Client		City of Lomita	Sy	stem Nu	mber				Anal	ysis F	edne	steá	)			
CWPF 3rd was 6 of 10 No. 2 o	Address	24.	1373 Walnut Avenue			101	0700										Г
COPPE 3rd week positive		1	Lomita, CA 91717			0	2700							To			
CHOPE 347 Week of JUNE 2017 Compilance   ELAP #   Long	Phone #		(310) 325-9830		٥	estinatio	n Laborat	ory						otal			
CHPF 3rd week of 1/10/R; 2017 Compliance   Particle Machine   Partic	Fax #		(310) 325-3627			X] Clinica	I Laborat	ory		1	1 0ta	T			D.4		
For TCEC/BACT See weekly Distro Co.   1088	Project		Standard Analysis			RWQCB (	Compliance	e,									
For TC/EC/BACT see weekly Distro CoC	Sub Broiget	CWPF 3rd we	eek of JUNE, 2017 Compliance				/es			Iron							
For TC/EC/BACT see weekly Distric Commerce   Forest	ans Lolect		Sampling			□	AP#										
Time   Sample Identitification   Marix   Type   Preserv   Pit   Total   Sample Identitification   Div   IW   N/A   7.92   20.9   3.52   N   N   N   N   N/A   7.92   20.9   3.52   N   N   N   N   N   N   N   N   N	Comments	For TC/EC/BA	CT see weekly Distro CoC			7	000				Hus						
Time   Sample Identitification   Marris   Type   Preserv   Pt   Temp   Chains   Common   Co	Sampled by		Patrick McCue				900							CO3			
OTSG   Reservoir Influent Site #3   DW   IW   NIA 7.95   2.3.4   5.79   X   X   X   X   X   X   X   X   X			mple Idenitification	Matrix	Type	Preserv	Hd	Temp.	Total	1				)		Comments / P.S. Codes	
CS  C  Reservoir Effluent Site #5   DW   IW   HCL   Reservoir Effluent Site #5   DW   IW   Reservoir Effluent Site #5   DW   IW   Reservoir Effluent Site #5   DW   IW   IW   IW   IW   IW   IW   IW	6/21/1707	S Reservoir Influe	ent Site #3	DW	WI.	A/N	7.65	23.H	5.79	×	×	×		-	-		T
OS O   Reservoir Effluent Site #5   DW   IW   NIA   7.92   20.9   3.52   X   X   X   X   X   X   X   X   X												-		H	-		Т
OC   C   Reservoir Effluent Site #5   DW,   IW   HCL     X   X   X   X   X   X   X   X   X	(1)	No Reservoir Efflue	ent Site #5	DW	1W	A/N	7.92	6:07	5		<u> </u>	×		$\vdash$	×		Т
1   Fed X     Golden State   1   UPS	7	C Reservoir Efflue	ent Site #5	DW.	1W	HCL							×		-		Т
11.   Na, So, (2) HCl (3) HNO3 (4) NH4Cl												<u> </u>			-		Т
15   17   18   18   18   18   18   18   18														-	-		T
1   Na_2S_0, (2) HCI (3) HNO3 (4) NH4CI											<u> </u>				-		Т
185.0, (2) HCI (3) HNO3 (4) NH4CI															-		1
185.0, (2) HCI (3) HNO3 (4) NH4CI   186.00   187.00   1		1.													-		Т
Sign   Print Name / Company   Cold (8) Other   City of Lomita   City of Lomita   Colden State   1 UPS   1   Citem   1   Other   Congany   Colden State   1   Other   Colden State   Colden State   1   Other   Colden State   Colden State   1   Other   Colden State   Cold																	Т
Sign																	
Sol												-		1	_		
sold (8) Naziona (1) Cold (8) Other.  Sold (9) Naziona (1) Cold (1) Other.  Replacement, 4-Special W-Well D-Dist.  Replacement, 4-Speci	Droconvetivos: (4)	MT (6) 10H (6) 0 3 GN	· ionina	Matrix. D	W. Orinkir	n Water	SCAL VANA	- And a factor	CIA/ Storm	10,00		-			_	Trees of Design	Τ.
quished By (Sign)  Print Name / Company  Ue  City of Lomita  (0/21/17   Z'DS)  (6.21/17   Z'DS)  (6.21/17   Z'DS)  (7.21/17   Z'DS)  (7.21/17   Z'DS)  (8.21/17   Z'DS)  (9.21/17   Z'DS)  (9.21	(5) H2SO4 (6	) Na2SO3 (7) Cold (8) (	(+) MITACI			g water,	2	le Malei,	Rep	laceme	nt, 4-S	ound Secial	W-Well	D-Di	st	iype- i-Rouune, z-Repeat, .	<u>.</u>
City of Lomita   G/21/17   Z'DS     Character   Colored   Colore	Relinquish	ed By (Sign)	Ì				1 Date / 1	'ime		ľ	(	Regiv	d By	(Sign)		17	Т
The Color of the state   1 UPS     Client   Other   Page 1 of 1	Patrick McCue		City of Lomita		0/21	11	1	2			18	7	1			J. J	Т
Samples received On ice (2) Intact ( ) Custody seals Temp 11.5 (	1 STINCE	MICH	•		14.7	i	3,1	人ん				H	+			AM-CARR	T
	Comment	18	J.6000/c	2			amples	received	<b>X</b>		5			Custo	dy se	Temp 11.5 (	
				Sall	11000	\	24.50					5		,			Т
	Shipped rta	<b>)</b>	- 1	lors	Cue	-	Omer					1	age_1_	0 - I			$\neg$



07 July 2017 Clinical Lab No.: 17F2421

Mark Andersen Lomita, City of 24373 Walnut Avenue Lomita, CA 91717

Project Name: Standard Analysis

Sub Project: CWPF 4th week June, 2017 Compliance Sampling

Enclosed are the results of the analyses for samples received at the laboratory on 06/28/17 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

tistes



Lomita, City ofProject:Standard AnalysisWork Order:17F242124373 Walnut AvenueSub Project:CWPF 4th week June, 2017 Compliance SamplingReceived:06/28/17 15:15

Lomita CA, 91717 Project Manager: Mark Andersen Reported: 07/07/17

Reservoir Influent Site #3 17F2421-01 (Water) Sample Date: 06/28/17 8:05 Sampler: Patrick McCue

Reservoir Influent Site #3		17F2421-0	01 (Water)		Sample Da	te: 06/28/17	8:05 <b>S</b> a	ampler: P	atrick McCue
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	5.125		N/A	mg/L	06/28/17	06/28/17	1726127	
pH (Field)	Field	7.67		N/A	pH Units	06/28/17	06/28/17	1726127	
Temperature (Field)	Field	23.3		N/A	°C	06/28/17	06/28/17	1726127	
General Physical Analyses									
Apparent Color	SM 2120BM	5.0	3.0	15	Color Units	06/28/17	06/28/17	1726128	
<u>Metals</u>									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	06/29/17	06/30/17	1726149	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	06/29/17	06/30/17	1726149	
Reservoir Effluent Site #5		17F2421-0	02 (Water)		Sample Da	te: 06/28/17	8:10 <b>S</b> a	ampler: P	atrick McCue
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	3.482		N/A	mg/L	06/28/17	06/28/17	1726127	
pH (Field)	Field	7.94		N/A	pH Units	06/28/17	06/28/17	1726127	
Temperature (Field)	Field	20.9		N/A	°C	06/28/17	06/28/17	1726127	
General Physical Analyses									
Apparent Color	SM 2120BM	ND	3.0	15	Color Units	06/28/17	06/28/17	1726128	
Odor Threshold	EPA 140.1-M	3	1	3	TON	06/28/17	06/28/17	1726128	
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	560	5.0	1000	mg/L	07/03/17	07/05/17	1727020	
ND Analyte NOT DETECTED at o	r above the reporting limit								



July 6, 2017



ADE-1461 EPA Methods TO3, TO14A, TO15 SIM & SCAN ASTM D1946



TX Cert T104704450-14-6 EPA Methods T014A, T015

UT Cert CA0133332015-3 EPA Methods T03, T014A, T015, RSK-175

Clinical Laboratory of San Bernardino ATTN: Stu Styles 21881 Barton Rd. Grand Terrace, CA 92313

### LABORATORY TEST RESULTS

Project Reference: 17F2421

17F2421 I062901-01

Lab Number:

Enclosed are results for sample(s) received 6/29/17 by Air Technology Laboratories. Samples were received intact and properly chilled. Analyses were performed according

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- The enclosed results relate only to the sample(s).

to specifications on the chain of custody provided with the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Operations Manager

MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

### SUBCONTRACT ORDER

## Clinical Laboratory of San Bernardino 17F2421

D62901-01

SENDING LABORATORY:	RECEIVING LABORATORY:
Clinical Laboratory of San Bernardino 21881 Barton Road Grand Terrace, CA 92313 Phone: 909.825.7693 Fax: 909.825.7696 Project Manager: Stu Styles	Air Technology Labs 18501 East Gale Avenue Suite 130 City of Industry, CA 91748 Phone:(626) 964-4032 Fax:
Please email results to Project Manager: Stu Styles [ ] glaubig@clinical-lab.com [ ] ybarra@clinical-lab.com	ab.com [v] styles@clinical-lab.com [ ] nelson@clinical-lab.com
California EDT transfer those samples with PS Water Trax Upload Client:	codes provided [ ] Yes [ v] No [ ] Yes [ v] No
Turn Around Time [ ] 10 Days Subcontract Comments:	[ ] Other Days
Analysis	Comments
Sample ID: Reservoir Effluent Site #5 / 17F2421-02	Sampled: 06/28/17 08:10 PS Code: Water WTX ID:
Methane RSK175  Containers Supplied: 40ml Amber Vial (B)  40ml Amb	Report in mg/L per Vial (C)
i.	
	700

Released By Date / Time Received By Date / Time Date / Time Date / Time Date / Time Date / Time

Client:

**Clinical Laboratory** 

Attn:

Stu Styles

**Project Name:** 

NA

Project No.:

17F2421

Date Received:

06/29/17

Matrix:

Water

Reporting Units: mg/L

		RS	K175				
Lab No.:	106290	1-01		Α,			
Client Sample I.D.:	Reservoir Site #5/17I	2007-0-0-1-1					
Date/Time Sampled:	6/28/17	8:10					
Date/Time Analyzed:	7/3/17 13:37						
QC Batch No.:	1707030	GC8A1					
Analyst Initials:	AS	5					
Dilution Factor:	1.0	)					
ANALYTE	Result mg/L	RL mg/L			s		8
Methane	0.54	0.0010					

ND = Not Detected	(below RL)
-------------------	------------

RL = Reporting Limit

Reviewed/Approved By:	1/1/60-
• • • • • • • • • • • • • • • • • • • •	Mark Johnson

Mark Johnson **Operations Manager**  Date

The cover letter is an integral part of this analytical report

QC Batch No.:

170703GC8A1

Matrix:

Water

Units:

mg/L

### QC for Dissolved Gases by EPA Procedure RSKSOP-175

Lab	No.:	Metho	d Blank	I	LCS	L	CSD		¥.
Date/Time An	alyzed:	7/3/1	7 10:30	7/3/	17 9:54	7/3/1	7 10:08		
Analyst Init	tials:	I	AS		AS		AS		
Data	file:	03j	u1003	03	jul001	03	jul002		
Dilution Fa	ctor:	1	1.0	1.0		1.0			
ANALYTE	PQL	RL	Results	% Rec.	Criteria	% Rec.	Criteria	%RPD	Criteria
Methane	0.0010	0.0010	ND	96	70-130%	102	70-130%	5.3	<30

**PQL = Practical Quantitation Limit** 

ND = Not Detected (Below RL).

RL = PQL X Dilution Factor

Reviewed/Approved By:	111/12/-	1	Date:	1/6/17
	Mark J. Johnson	I I		
	<b>Operations Manager</b>			

The cover letter is an integral part of this analytical report.

U	)
~	<b>)</b> -

Chain of Custody

•									$\leq$	(T)				12421
Client	City of Lomita	Syst	System Number	ber	,			Analysis		Requested	pa			
Address	24373 Walnut Avenue			1910073	073									
	Lomita, CA 91717													
Phone #	(310) 325-9830		Des	tination	Destination Laboratory	у			T					
Fax #	(310) 325-3627		X	Clinical	[X] Clinical Laboratory	^								
Project	Standard Analysis		Pg.	AGCB CC	RWQCB Compliance			Man	Diss	C		CT/	o	
Sub Droiost	CWPF 4th week of JUNE, 2017 Compliance			yes	8			ron		oloi			dor	
and Project	Sampling			ELAP#	P#			ese 		r			•	
Comments	For TC/EC/BACT see weekly Distro CoC			7	0				lids					
Sampled by	Patrick McCue			000	8						(O3) (175)			
Date Time	e Sample Idenitification	Matrix	Type	Preserv	Hd	Temp.	Total Chlorine							Comments / P.S. Codes
1/35/2)	(シ/25/17) CPOS Reservoir Influent Site #3	DW	1W	N/A	7.67	23,3	6.125	X	X	X				
		•					,							
1601132/9	仏/25人77 (Oら)の Reservoir Effluent Site #5	DW	IW	N/A	1.67	70.9%	23h.E			X			X	
128/170810	/ᆼ용)이 Reservoir Effluent Site #5	DW	1W	HCL					×		×			
		•												
									-					
									+		+	+		
									+			_		
Preservatives: (1) N	Preservatives: (1) Na.S.O. (2) HCl (3) HNO3 (4) NH4Cl	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW-Ground Water, A-Air	-Drinking	Water, N	W-Waste	Water, SV	V-Storm V	/ater, G	W. Gro	und W	ater. A	⊢ķ.		Type- 1-Routine, 2-Repeat, 3-
(5) H2SO4 (6) I	(5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:		)				Repla	Replacement, 4-Special W-Well D-Dist.	, 4-Spe	cial M	.Well	D- Dis		
Relinquished By (Sign)	d By (Sign) Print Name / Company				Date / Time	me			يخ	Received	8	(Sign)		Print Name / Company
Patrick McCue	City of Lomita		132/9	72	?	S		4	7		1			J. Lucene els
Tation	MCCA J. LUCCHO CUSD		6.28.	7	5:52			$\exists$		Y	. ]			AMCUSA
Comments				/ Sa	mples re	Samples received:	On ice	1-'	<b>∠Int</b>	act (	)	usto	y sea	Intact ( ) Custody seals Temp ( ) F ( ) E
Shipped Via	Fed X     Golden State	Sdn	Client	10	Other	•				Pa	Page 1 of 1	of 1		
	1			-										

### **APPENDIX B**

METHANE MONITORING LOG



## CITY OF LOMITA PUBLIC WORKS DEPARTMENT

## CYPRESS WATER PRODUCTION FACILITY HANDHELD METHANE LOG READINGS

		JUNE 2	017	
DATE	DAY	METHAN	IE HANDHELD	COMMENTS
6/1/2017	TH	CH4- 0%	Oxy- 20.2%	
6/2/2017	F	CH4- 0%	Oxy- 21.1%	
6/3/2017	SA	CH4- 0%	Oxy- 19.9%	
6/4/2017	SU	CH4- 0%	Oxy- 20.1%	
6/5/2017	М	CH4- 0%	Oxy- 20.5%	
6/6/2017	Т	CH4- 0%	Oxy- 19.9%	
6/7/2017	W	CH4- 0%	Oxy- 20.1%	
6/8/2017	TH	CH4- 0%	Oxy- 19.8%	
6/9/2017	F	CH4- 0%	Oxy- 20.3%	
6/10/2017	SA	CH4- 0%	Oxy- 20.2%	
6/11/2017	SU	CH4- 0%	Oxy- 20.4%	
6/12/2017	М	CH4- 1%	Oxy- 19.9%	
6/13/2017	T	CH4- 0%	Oxy- 20.0%	
6/14/2017	W	CH4- 0%	Oxy- 19.8%	
6/15/2017	TH	CH4- 0%	Oxy- 19.8%	
6/16/2017	F	CH4- 0%	Oxy- 19.8%	
6/17/2017	SA	CH4- 0%	Oxy- 21.1%	
6/18/2017	SU	CH4- 0%	Oxy- 20.3%	
6/19/2017	М	CH4- 0%	Oxy- 20.1%	
6/20/2017	Т	CH4- 0%	Oxy- 19.8%	
6/21/2017	W	CH4- 0%	Oxy- 19.8%	
6/22/2017	TH	CH4- 0%	Oxy- 19.8%	
6/23/2017	F	CH4- 0%	Oxy- 21.0%	
6/24/2017	SA	CH4- 0%	Oxy- 19.9%	
6/25/2017	SU	CH4- 0%	Oxy- 19.8%	
6/26/2017	М	CH4- 0%	Oxy- 19.8%	
6/27/2017	Т	CH4- 0%	Oxy- 20.1%	
6/28/2017	W	CH4- 0%	Oxy- 20.1%	
6/29/2017	TH	CH4- 0%	Oxy- 19.9%	
6/30/2017	F	CH4- 0%	Oxy- 19.8%	

ND- Non Detect

CH4- Methane

Oxy- Oxygen

Day Off/Holiday- Red

### **APPENDIX C**

NITRIFICATION MONITORING DATA SUMMARY

## <sup>1</sup> MONTHLY NITRIFICATION MONITORING SUMMARY REPORT CITY OF LOMITA, System No. 1910073 --- Month, Year: <u>June 2017</u>

# Code	Sample ID	Location	Sample Date	Temp	рН	Total Chlorine	Free Chlorine	Total Ammonia	Free Ammonia	Nitrite	Nitrate	Coliform <sup>2</sup>	НРС	Zone	Comments
	thers $ ightarrow$		MM/DD/YYYY	°C		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	P/A	CFU/ml		
1 D		1948 W 252nd St	6/7/2017	21.2	7.78	3.00	0.23	0.60	0.00	0.012	ND	Α	ND	1	Well/MWD Blend
2 D	S13-004	24632 S Moon Ave	6/7/2017	20.6	7.79	2.80	0.16	0.72	0.21	0.019	ND	Α	ND	1	Well/MWD Blend
3 D	S13-008	25417 Pennsylvania Ave	6/7/2017	21.0	7.33	3.20	0.19	0.68	0.20	0.016	ND	А	1	1	Well/MWD Blend
4 D	А	2052 Dawn St	6/7/2017	20.7	7.76	1.90	0.03	0.54	0.32	0.043 <sup>3</sup>	ND	А	10	1	Well/MWD Blend
5 D		Reservoir	6/7/2017	20.2	8.04	3.60	0.12	0.80	0.20	0.000	ND	А	ND	1	Well/MWD Blend
6 D		1912 W 259th Pl	6/7/2017	18.6	8.56	2.30	0.07	0.48	0.00	0.012	0.49	А	ND	2	MWD Only
7 D		26314 S Monte Vista Ave	6/7/2017	18.1	8.49	2.30	0.67	0.44	0.00	0.009	0.52	А	ND	3	MWD Only
8 D	S13-005	2500 PCH	6/7/2017	18.6	8.12	2.40	0.09	0.41	0.03	0.008	0.50	Α	ND	2	MWD Only
F.F			T T												
1 D		1948 W 252nd St	6/14/2017	20.9	7.87	3.20	0.21	0.44	0.00	0.010	ND	A	ND	1	Well/MWD Blend
2 D		24632 S Moon Ave	6/14/2017	21.4	7.72	3.30	0.07	0.45	0.00	0.010	ND	A	ND	1	Well/MWD Blend
3 D		25417 Pennsylvania Ave	6/14/2017	23.6	7.85	3.50	0.10	0.55	0.00	0.009	ND	Α	ND	1	Well/MWD Blend
4 D	Α	2052 Dawn St	6/14/2017	19.3	7.90	1.55	0.19	0.32	0.25	0.044 <sup>3</sup>	ND	Α	3	1	Well/MWD Blend
5 D	242.224	Reservoir	6/14/2017	19.4	7.80	3.75	0.19	0.60	0.00	0.00	ND	Α	1	1	Well/MWD Blend
6 D	The state of the s	1912 W 259th PI	6/14/2017	19.7	8.58	2.30	0.13	0.48	0.00	0.014	0.58	Α	ND	2	MWD Only
7 D		26314 S Monte Vista Ave	6/14/2017	19.5	8.54	2.10	0.07	0.44	0.04	0.010	0.54	Α	ND	3	MWD Only
8 D	S13-005	2500 PCH	6/14/2017	21.5	8.29	2.30	0.21	0.45	0.00	0.010	0.58	Α	ND	2	MWD Only
1 D	642.002	4040144252 16:	C /04 /00 - T				r								
-		1948 W 252nd St	6/21/2017	21.4	7.92	3.30	0.26	0.60	0.01	0.016	ND	Α	ND	1	Well/MWD Blend
2 D		24632 S Moon Ave	6/21/2017	20.9	7.85	3.10	0.07	0.60	0.07	0.019	ND	Α	ND	1	Well/MWD Blend
	S13-008	25417 Pennsylvania Ave	6/21/2017	22.5	7.78	3.30	0.09	0.62	0.00	0.015	ND	A	ND	1	Well/MWD Blend
4 D	Α	2052 Dawn St	6/21/2017	21.1	7.82	1.50	0.03	0.37	0.00	0.094 <sup>3</sup>	ND	Α	8	1	Well/MWD Blend
5 D		Reservoir	6/21/2017	20.9	7.92	3.5	0.11	0.60	0.00	0.00	ND	Α	ND	1	Well/MWD Blend
6 D	S13-001	1912 W 259th PI	6/21/2017	21.2	8.43	2.40	0.11	0.41	0.00	0.013	0.49	Α	6	2	MWD Only
7 D		26314 S Monte Vista Ave	6/21/2017	19.8	8.35	2.40	0.07	0.48	0.00	0.016	0.51	Α	ND	3	MWD Only
8 D	S13-005	2500 PCH	6/21/2017	20.1	8.37	2.40	0.09	0.50	0.00	0.012	0.51	Α	ND	2	MWD Only
1 D	S13-003	1948 W 252nd St	6/28/2017	21.4	7.82	2.20	0.10	0.60			7.2			_	T
2 D		24632 S Moon Ave	6/28/2017	21.4	7.82	3.20	0.10	0.68	0.00	0.017	ND	Α	ND	1	Well/MWD Blend
3 D		25417 Pennsylvania Ave	6/28/2017	21.1	7.71	3.20	0.06	0.66	0.00	0.009	ND	Α	ND	1	Well/MWD Blend
4 D		2052 Dawn St	6/28/2017	21.3		3.50	0.29	0.60	0.00	0.01	ND	A	1	1	Well/MWD Blend
5 D		Reservoir		20.9	7.84	1.52	0.10	0.42	0.13	0.105 <sup>3</sup>	0.46	Α	8	1	Well/MWD Blend
6 D		1912 W 259th Pl	6/28/2017 6/28/2017	19.6	7.94	3.48	0.08	0.78	0.07	0.008	ND	Α	ND	1	Well/MWD Blend
7 D		26314 S Monte Vista Ave		18.5	8.48 8.44	2.50	0.13	0.44	0.04	0.005	0.59	Α	1	2	MWD Only
8 D		2500 PCH	6/28/2017 6/28/2017	18.4		2.50	0.28	0.51	0.02	0.008	0.59	Α	5	3	MWD Only
0 0	313-003	2300 PCH	0/28/2017	18.4	8.46	2.50	0.24	0.52	0.00	0.007	0.60	Α	ND	2	MWD Only
1 D	S13-003	1948 W 252nd St					T T	pogletnotovino akie		A SHENG HALL MOVE IN					1
2 D		24632 S Moon Ave	-											1	Well/MWD Blend
3 D	S13-004 S13-008	25417 Pennsylvania Ave												1	Well/MWD Blend
4 D		2052 Dawn St											***************************************	1	Well/MWD Blend
5 D		Reservoir												1	Well/MWD Blend
6 D		1912 W 259th PI	<del>                                     </del>											1	Well/MWD Blend
7 D	The state of the s	26314 S Monte Vista Ave	<del>                                     </del>											2	MWD Only
8 D		2500 PCH	+											3	MWD Only
o D	212-002	2300 FCN												2	MWD Only

<sup>1</sup>Notes: Report Due to DDW by the 10th of the following month. This Report can be used for the routine weekly monitoring (one Report per month) as well as for daily monitoring when there is actual and potential for nitrification (about four or five Reports per month, in this case).

<sup>&</sup>lt;sup>2</sup>Coliform results are part of weekly Bacti sampling results.

<sup>&</sup>lt;sup>3</sup>The City is monitoring the upward trend of Nitrite on Dawn St in accordance with the Nitrification Monitoring Plan.