



Board of Directors Regular Meeting
Tuesday, July 28, 2020 at 1:00 PM
Valley Sanitary District Board Room
45-500 Van Buren Street, Indio, CA 92201

*******SPECIAL NOTICE – Telephonic Accessibility*******

Pursuant to Paragraph 11 of Executive Order N-25-20, executed by the Governor of California on March 12, 2020, as a response to mitigating the spread of coronavirus known as COVID-19, during the July 28, 2020, regular meeting of Valley Sanitary District Board of Directors members of the public will be allowed to attend and address the Board of Directors during the open session of the meeting telephonically.

Members of the public wanting to listen to the open session of the meeting may do so by calling (425) 436-6376 and when prompted enter access code 166514. Members of the public wanting to address the Board, either during public comment or for a specific agenda item, or both, are requested to send an email notification no later than 12:30 p.m. on the day of the meeting to the Valley Sanitary District's Clerk of the Board at hgould@valley-sanitary.org.

Page

1. CALL TO ORDER

- 1.1. Roll Call
- 1.2. Pledge of Allegiance
- 1.3. New Employee Introduction
 - Jeanette Juarez, Business Services Manager


2. PUBLIC COMMENT

This is the time set aside for public comment on any item not appearing on the agenda. Please notify the Secretary in advance of the meeting if you wish to speak



on a non-hearing item.

3. CONSENT CALENDAR

Consent calendar items are expected to be routine and noncontroversial, to be acted upon by the Board of Directors at one time, without discussion. If any Board member requests that an item be removed from the consent calendar, it will be removed so that it may be acted upon separately.

- 3.1. Approve July 14, 2020 Regular Meeting Minutes 5 - 8
[3.1 14 Jul 2020 Meeting Minutes.pdf](#) 
- 3.2. Approve Warrants for July 9 to 22, 2020 9
[3.2 Warrants for July 9 to 22, 2020.pdf](#) 
- 3.3. Accept Summary of Cash and Investments June 2020 10
[3.3 Summary of Cash and Investments June 2020.pdf](#) 
- 3.4. Accept Combined Monthly Account Summary June 2020 11 - 12
[3.4 Combined Monthly Account Summary June 2020.pdf](#) 
- 3.5. Accept Monthly Income Summary June 2020 13
[3.5 Monthly Income Summary June 2020.pdf](#) 

4. PUBLIC HEARING

- 4.1. Public Hearing to Determine Certain Accounts to be Delinquent and Directing the Placement of These Accounts on the Property Tax Rolls for Collection 14 - 17
 - General Notice and Call
 - President Announces Public Hearing Procedures
 - General Manager’s Report
 - President Declares Public Hearing Open
 - Public Comments
 - President Declares Public Hearing Closed
 - Board Discussion
[4.1 Staff Report 2020 Delinquent Accounts.pdf](#) 
[4.1 Attachment A RES 2020-1135 Delinquent Accounts.pdf](#) 

5. NON-HEARING ITEMS

- 5.1. Authorize the Purchase of a Solar Bee Mixer in an Amount Not to Exceed \$47,767 18 - 31
- [5.1 Staff Report Purchase Solar Mixer.pdf](#) 
- [5.1 Attachment A Solar Mixer Quote.pdf](#) 
- [5.1 Attachment B Sole Source Valley City 2020071.pdf](#) 
- [5.1 Attachment C](#)
- [CstudyRU.GN.HeberValleyUT.LOC336.001.REF.20190220.pdf](#) 
- [5.1 Attachment D](#)
- [CstudyRU.GN.PortOrangeFL.LOC730.004.20160919.pdf](#) 
- [5.1 Attachment E](#)
- [CstudyWW.GN.PrescottAZ.SundogWWTP.LOC1067.002.REF.20191107.pdf](#) 
- 5.2. Approve First Amendment to Employment Agreement with Beverli A. Marshall, General Manager, Increasing the General Manager's Salary Pursuant to Employment Agreement, and Adopt the Amended VSD Wage Schedule 32 - 36
- [5.2 Staff Report GM Contract Amendment.pdf](#) 
- [5.2 Attachment A Amendment 1 to GM Employment Agreement.pdf](#) 
- [5.2 Attachment B Amended Wage Schedule.pdf](#) 
- 5.3. Letter from Colorado River Basin Regional Water Quality Control Board Notifying of Order WQ-2020-0015-DWQ Requiring VSD to Submit Information on Per-and Polyfluoroalkyl Substances 37 - 95
- [5.3 Attachment A Valley SD WWTP.pdf](#) 
- [5.3 Attachment B PFAS Final Order.pdf](#) 
- [5.3 Attachment C PFAS Questionnaire Form.pdf](#) 
- 5.4. Riverside LAFCO Confirming Sphere of Influence for Coachella Valley/Eastern County Regions Water and Wastewater 96 - 107

Agencies

[5.4 Riverside LAFCO Sphere of Influence Notice.pdf](#) 

6. GENERAL MANAGER'S ITEMS

General Manager's items not listed are for discussion only; no action will be taken without an urgency vote pursuant to State law.

7. DIRECTOR'S ITEMS

Director's items not listed are for discussion only; no action will be taken without an urgency vote pursuant to State law.

8. INFORMATIONAL ITEMS

- 8.1. August is recognized as Water Quality Month. You can find out more information at <http://nationalwaterqualitymonth.org/> and <https://www.epa.gov/environmental-topics/water-topics>

9. PUBLIC COMMENT

This is the time set aside for public comment on any item to be discussed in Closed Session. Please notify the Secretary at the beginning of the meeting if you wish to speak on a Closed Session item.

10. CONVENE IN CLOSED SESSION

Items discussed in Closed Session comply with the Ralph M. Brown Act.

- 10.1. Pursuant to Government Code Paragraph (1) of Subdivision (d) of Section 54956.9 Conference with Legal Counsel - Existing Litigation
Valley Sanitary District v. One Stop Shoppe

11. CONVENE IN OPEN SESSION

Report out on Closed Session items

12. ADJOURNMENT

Pursuant to the Brown Act, items may not be added to this agenda unless the Secretary to the Board has at least 72 hours advance notice prior to the time and date posted on this notice.

UNOFFICIAL UNTIL APPROVED

VALLEY SANITARY DISTRICT MINUTES OF REGULAR BOARD MEETING

July 14, 2020

*****SPECIAL NOTICE – Telephonic Accessibility*****

Pursuant to Paragraph 11 of Executive Order N-25-20, executed by the Governor of California on March 12, 2020, as a response to mitigating the spread of coronavirus known as COVID-19, during the July 14, 2020 regular meeting of Valley Sanitary District Board of Directors, members of the public will be allowed to attend and address the Board of Directors during the open session of the meeting telephonically.

Members of the public wanting to listen to the open session of the meeting were able to do so by calling (425) 436-6376 and when prompted, enter access code 166514. Members of the public wanting to address the Board, either during public comment or for a specific agenda item, or both, were requested to send an email notification no later than 12:30 p.m. on the day of the meeting to the Valley Sanitary District's Clerk of the Board at hgould@valley-sanitary.org.

A regular Board Meeting of the Governing Board of Valley Sanitary District (VSD) was held at the District offices, 45-500 Van Buren Street, Indio, California, on Tuesday, July 14, 2020.

1. CALL TO ORDER

Vice President Scott Sear called the meeting to order at 1:00 p.m.

1.1 Roll Call

Directors Present:

Debra Canero, Dennis Coleman, Mike Duran, Scott Sear, William Teague

Staff Present:

Beverli Marshall, General Manager, Holly Gould, Adrian Contreras, Joey McElrone, Daniel Mills, Ivan Monroy

Via Telephone: Ron Buchwald, Joanne Padgham, Robert Hargreaves, Best Best & Krieger

1.2 Pledge of Allegiance

1.3 Employee Anniversaries for July

- Adrian Contreras, Assistant Engineer – 4 years
- Daniel Mills, Maintenance Tech. I – 2 years
- Ivan Monroy, Environmental Compliance I – 2 years
- Joey McElrone, Collections System Tech. I – 2 years

The Board congratulated Adrian Contreras, Daniel Mills, Ivan Monroy, and Joey McElrone on their years of service and thanked them for their continued hard work and dedication.

2. PUBLIC COMMENT

This is the time set aside for public comment on any item not appearing on the agenda. Please notify the Secretary in advance of the meeting if you wish to speak on a non-hearing item.

None.

3. CONSENT CALENDAR

3.1 Approve June 23, 2020, Regular Meeting Minutes

3.2 Approve Warrants for June 18 to July 8, 2020

ACTION TAKEN:

MOTION: Director Teague a motion to approve the consent calendar as presented. President Duran seconded the motion. Motion carried unanimously.

MINUTE ORDER NO. 2020-3024

4. NON-HEARING ITEMS

4.1 Authorize Additional Carryover of Funds from Fiscal Year 2019/20 to Fiscal Year 2020/21 in the Amount of \$85,000 for Items Not Completed by June 30, 2020

It is a common occurrence to have services, supplies, and projects initiated but not completed within a fiscal year. In order to have enough funds to pay for these items once they are complete and avoid negatively affecting the new fiscal year's budgeted expenditures, it is necessary to carry over the approved funds from one fiscal year to another. Two items were inadvertently left off the previous list approved by the Board: Asset Management Project - delayed due to the COVID-19 pandemic, and the Sludge Removal Pond 2 – additional removal services above planned level. The total cost of the additional carryovers is \$85,000.

ACTION TAKEN:

MOTION: Director Coleman made a motion to approve the additional carryover funds from Fiscal Year 2019/20 to Fiscal Year 2020/21 in the amount of \$85,000. Secretary Canero seconded the motion. Motion carried by the following roll call vote:

AYES: Canero, Coleman, Duran, Sear, Teague

NOES: None

MINUTE ORDER NO. 2020-3025

4.2 Authorize the General Manager to Make the CalPERS Unfunded Accrued Liability Payment for Fiscal Year 2020/21 In the Amount of \$482,379.

An annual lump-sum prepayment option of the Unfunded Accrued Liability (UAL) is available for employer contributions to CalPERS. The lump-sum is a discounted amount compared to the sum of the twelve-monthly installments, which include a 7% interest charge. By paying the UAL in a lump sum of \$482,379, VSD will save \$16,598 for Fiscal Year 2020/21.

ACTION TAKEN:

MOTION:

Secretary Canero made a motion to authorize the payment of \$482,379 to CalPERS for the annual lump-sum prepayment of the UAL. Director Teague seconded the motion. Motion carried by the following roll call vote:

AYES: Canero, Coleman, Duran, Sear, Teague

NOES: None

MINUTE ORDER NO. 2020-3026

4.3 Cast Vote in Annual CASA Board Election and Approve Fiscal Year 2020/21 Dues Resolution

Each year the California Association of Sanitation Agencies holds its annual meeting, which includes the results of the election for open seats on the Board as well as approval of the annual dues resolution. This year, due to the COVID-19 pandemic, the annual meeting will be held virtually on August 13, 2020.

ACTION TAKEN:

MOTION:

Secretary Canero made a motion to approve the slate of four nominees for open seats on the CASA Board of Directors and approve the annual dues resolution. President Duran seconded the motion. Motion carried by the following roll call vote:

AYES: Canero, Coleman, Duran, Sear, Teague

NOES: None

MINUTE ORDER NO. 2020-3027

5. GENERAL MANAGER'S ITEMS

General Manager's items not listed are for discussion only; no action will be taken without an urgency vote pursuant to State law.

5.1 Monthly Staff Activities for July 2020

A discussion took place regarding the new building and toxicity.

6. DIRECTOR'S ITEMS

Director's items not listed are for discussion only; no action will be taken without an urgency vote pursuant to State law

Director Coleman extended his congratulations to Anna Bell, Laboratory Supervisor for the recent write up on her in the CWEA Magazine, Emerging Leaders article. Director Coleman also informed the board of the upcoming EVRA meeting, July 20, 2020 at 2:00 p.m. at VSD.

7. INFORMATIONAL ITEMS

Reminder of the Employee Appreciation Luncheon tomorrow, July 15, 2020 at 11:00 a.m. at the District. All directors received their gate clickers.

8. PUBLIC COMMENT

This is the time set aside for public comment on any item to be discussed in Closed Session. Please notify the Secretary in advance of the meeting if you wish to speak on an item

None.

9. CONVENE IN CLOSED SESSION

Items discussed in Closed Session comply with the Ralph M. Brown Act.

- 9.1 Pursuant to Government Code Section 54954.5
Public Employee Performance Evaluation
Title: General Manger
-

The Board adjourned to closed session at 2:00 p.m.

10. CONVENE IN OPEN SESSION

Report out on Closed Session items

The board reconvened to open session at 2:57 p.m. Director Coleman reported that the General Manager unanimously received a satisfactory approval on her performance evaluation warranting her a 3% merit increase. She will bring the updated wage schedule back before the board. The General Manager stated that she wishes to be as clear and transparent as possible. Director Coleman extended his congratulations to Beverli.

11. ADJOURNMENT

There being no further business to discuss, the meeting was adjourned at 2:59 p.m. The next regular board meeting will be held July 28, 2020.

Respectfully submitted,

Holly Gould, Clerk of the Board
Valley Sanitary District

DISBURSEMENTS
Approved at the Board Meeting of
July 28, 2020

8906 Paychex - Live Check	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$2,521.22
8907 Paychex - Live Check	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$1,647.94
38410 Air & Hose Source, Inc.	800 FT Parker Hose	\$2,494.73
38411 American Water Works Association	Membership Renewal	\$286.00
38412 Analytical Technology, Inc.	Tubing Kit + Tubing	\$126.86
38413 Around The Clock Call Center	Call Center Service for July 2020	\$314.10
38414 Calif. Water Environment Assn.	Certificate Renewal	\$106.00
38415 CalPERS Affiliate Programs Services	OPEB Employer Contribution	\$11,040.00
38416 CalPERS Affiliate Programs Services	OPEB Employer Contribution	\$10,310.00
38417 Caltest Analytical Laboratory	Monthly Samples	\$995.00
38417 Caltest Analytical Laboratory	Monthly Samples	\$157.94
38418 Cintas Corp	Uniforms, mats, towels, etc for week of 07/02/2020	\$577.65
38418 Cintas Corp	Uniforms, mats, towels, etc for week of 07/09/2020	\$597.38
38419 Consolidated Electrical Distributors, Inc.	MH Lamp	\$172.91
38420 Dept. of Motor Vehicles	Pull Notice	\$1.00
38421 Desert Electric Supply	HPS Lamp	\$101.57
38422 Desert Hose & Supply	Teflon Tape, Female Piping	\$325.96
38423 DKF Solutions Group, LLC	Covid-19 Control Plan	\$2,250.00
38424 E.S. Babcock & Sons, Inc.	Grit & Screenings	\$620.00
38424 E.S. Babcock & Sons, Inc.	Biosolids Testing	\$1,700.00
38425 ECS House Industries, Inc.	Replacement for Pond II Aerator	\$40,425.00
38426 ELAP Branch	Lab Cert# 1053	\$4,310.00
38427 FedEx	Shipping Fees June 2020	\$530.64
38428 Grainger	Hand Sanitizing Wipes Kits	\$1,858.76
38428 Grainger	Universal Absorbent Pads	\$86.78
38428 Grainger	Granular Clay Floor Absorbant 50LB	\$11.84
38428 Grainger	HPS Bulb	\$41.60
38428 Grainger	Light bulb, Relay, & Relay Socket	\$309.20
38429 Hach Company	Chemicals	\$1,012.52
38429 Hach Company	Composite Tube Support with Tube	\$767.68
38429 Hach Company	Stainless Steel Strainer	\$461.10
38430 Harris & Associates	*PADM for Collection System Infr Prog - Phase 2	\$18,164.50
38431 Kaman Industrial Technologies	V-Belt	\$42.03
38431 Kaman Industrial Technologies	Pillow Block	\$90.67
38432 Lock Shop	KY000 Y6 Keys	\$181.15
38433 McMaster-Carr Supply Co.	Plastic Pipe Fitting for Water	\$56.44
38433 McMaster-Carr Supply Co.	O-rings, tape measure, saw kit	\$463.49
38433 McMaster-Carr Supply Co.	Shop Supplies and Special Projects	\$2,157.87
38433 McMaster-Carr Supply Co.	Replacement of old slings	\$636.08
38434 NFPA	Membership Renewal	\$175.00
38435 Pitney Bowes, Inc.	Postage	\$208.99
38436 Plumbers Depot Inc.	Hose	\$2,494.73
38437 Quinn Company	Water Truck Rental	\$415.97
38438 RACO Manufacturing & Engineering Co.	Radios and Antennas	\$4,309.75
38439 RDO Equipment Company	Belts for Lawn Mower	\$209.88
38440 Safety-Kleen Systems, Inc.	Non Hazardous Solids Service	\$571.11
38440 Safety-Kleen Systems, Inc.	Used Oil Service	\$333.25
38441 SGH Architects Inc	Architectural and Engineering Services	\$4,673.20
38442 Southwest Networks, Inc.	Agreement Home Computers -Temp	\$144.00
38442 Southwest Networks, Inc.	Technical Support for June 2020	\$1,353.75
38442 Southwest Networks, Inc.	BDR Offsite Storage -August 2020	\$699.00
38442 Southwest Networks, Inc.	District Camera Upgrades	\$344.99
38442 Southwest Networks, Inc.	Computer support for July 2, 2020	\$261.25
38443 Swains Electric Motor Service	Dredge Sludge Pump	\$4,488.25
38444 Tops 'N Barricades Inc.	Safety Vests	\$142.79
38445 Trittech Software Systems	Lucity Implementation/ Remote Consultation	\$5,175.00
38446 United Way of the Desert	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$25.00
38447 Univar Solutions	Sodium Bisulfite	\$5,236.77
38447 Univar Solutions	Sodium Hypochlorite	\$6,900.45
38448 UPS	Shipping Fees	\$47.19
38449 Water Environment Federation	Membership Renewal	\$332.00
38450 Yellow Mart	Work Boots	\$250.00
202007171 Paychex - Direct Deposit	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$71,469.81
202007172 Paychex - Fee	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$170.47
202007173 Paychex - Garnishment	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$210.46
202007174 Paychex - Tax	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$36,829.29
202007175 CalPERS 457	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$1,000.00
202007176 Vantage Point Transfer Agents - ICMA	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$1,395.00
202007177 MassMutual	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$10.00
202007178 Nationwide Retirement Solution	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$13,385.00
202007179 CalPERS Retirement	PR 06/26/2020 - 07/09/2020 PD 07/17/2020	\$19,099.50
202007201 CalPERS Retirement	Annual unfunded accrued liability payment 2020/2021	\$482,379.00
202007251 Umpqua Bank	New Charges for June 2020	\$7,360.18
		\$780,054.64

VALLEY SANITARY DISTRICT
SUMMARY OF CASH AND INVESTMENTS

FOR THE PERIOD: 06/01/2020 TO 06/30/2020 (UNAUDITED)

Agenda Item No. _____

INVESTMENTS

LAIF Fund 4 - Agency Fund

Beginning Balance (Fund 4)	393,641	
Net Transfer from (to) Fund 11	294,101	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 1.36%)	0	
Fund 04 Ending Balance	687,742	

LAIF Fund 6 - Wastewater Revenue Refunding Bonds

Beginning Balance (Fund 6)	4,746	
Net Transfer from (to) Fund 11	0	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 1.36%)	0	
Fund 06 Ending Balance	4,746	

LAIF Fund 11 - Operating Fund

Beginning Balance (Fund 11)	14,374,664	
Net Transfer from (to) Fund 04	(294,101)	
Net Transfer from (to) Fund 06	0	
Net Transfer from (to) Fund 12	290,512	
Net Transfer from (to) Fund 13	(70,127)	
Fund Transfer from (to) LAIF - WF	4,300,000	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 1.36%)	0	
Fund 11 Ending Balance	18,600,948	

LAIF Fund 12 - Reserve Fund

Beginning Balance (Fund 12)	26,184,091	
Net Transfer from (to) Fund 11	(290,512)	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 1.36%)	0	
Fund 12 Ending Balance	25,893,579	

LAIF Fund 13 - Capital Improvement Fund

Beginning Balance	6,319,213	
Connection Fees	74,800	
(Disbursements) or Reimbursements	(4,673)	
Net Transfer from (to) Fund 11	70,127	
Fair Value Factor for quarter ending 06/30/2020	0	
Interest (Pd quarterly - Int. Rate 1.36%)	0	
Fund 13 Ending Balance	6,389,340	

TOTAL LAIF INVESTMENTS: FUNDS 04, 06, 11, 12 AND 13

51,576,355

CASH IN CHECKING ACCOUNT

WELLS FARGO - FUND 11

Beginning Balance	1,698,188	
Deposits	5,504,078	
Fund Transfer from (to) LAIF (net)	(4,300,000)	
Disbursements and Payroll	(982,264)	
Wells Fargo Ending Balance	1,920,002	

CALTRUST - FUND 11

Beginning Balance	1,089,034	
Unrealized Gain / <Loss>	1,058	
Interest Income	1,243	
CalTRUST Ending Balance	1,091,335	

TOTAL WELLS FARGO AND CALTRUST CHECKING

3,011,337

TOTAL CASH AND INVESTMENTS

54,587,692

The Board certifies the ability of the District to meet its expenditure requirements for the next six (6) months, as per Government Code 53646(b)(3).

This report is in compliance with the District's Investment Policy under Government Code 53646(b)(2).

Valley Sanitary District
Combined Monthly Account Summary
June 2020 (UNAUDITED)

Account Description	Current Month	Fiscal YTD	Annual Budget	% Expended	Balance
Operating Expenses					
Salaries	208,787	2,604,231	2,615,000	100 %	10,769
Callout	365	12,399	9,000	138 %	(3,399)
Group dental/vision	1,541	31,729	30,500	104 %	(1,229)
Group disability	685	10,651	13,750	77 %	3,099
Group health	35,390	411,579	440,700	93 %	29,121
Group life	496	5,970	6,650	90 %	680
Longevity	2,723	34,108	37,000	92 %	2,892
Overtime	3,665	23,439	19,500	120 %	(3,939)
Payroll taxes	16,167	199,357	205,200	97 %	5,843
Retirement	19,619	241,183	269,500	89 %	28,317
Standby	2,754	34,292	38,000	90 %	3,708
Unemployment	0	202	0	0 %	(202)
Workers comp	3,895	46,564	47,400	98 %	836
Certifications	150	4,666	8,794	53 %	4,128
Chemicals	41,067	387,756	383,770	101 %	(3,986)
Clothing/Safety	1,863	22,429	39,625	57 %	17,196
Comprehensive insurance	21,055	297,882	296,500	100 %	(1,382)
Contract services	50,614	385,149	417,110	92 %	31,961
County charges	482	16,458	22,000	75 %	5,542
Directors' fees	2,500	48,500	36,500	133 %	(12,000)
Electricity	50,666	561,387	519,000	108 %	(42,387)
Gas/Oil	2,017	29,179	52,000	56 %	22,821
Memberships/Subscriptions	1,426	55,206	32,860	168 %	(22,346)
Natural gas	146	2,926	5,000	59 %	2,074
Office expense	3,275	13,882	16,000	87 %	2,118
Operating supplies	4,542	127,945	160,500	80 %	32,555
Other expenses	4,960	29,871	35,000	85 %	5,129
Permits & fees	1	80,477	88,450	91 %	7,973
Pretreatment	0	1,268	1,000	127 %	(268)
Professional/Legal	36,527	350,567	269,230	130 %	(81,337)
Publications	1,325	3,959	4,500	88 %	541
Repairs/Maintenance	39,879	484,448	592,200	82 %	107,752
Research & monitoring	11,250	55,573	92,800	60 %	37,227
Small tools	3,909	24,883	31,500	79 %	6,617
Telephone	1,738	19,297	19,500	99 %	203
Trash collection	2,976	30,681	35,000	88 %	4,319
Travel/Mtgs/Ed	12,920	103,084	81,250	127 %	(21,834)
Water	1,816	19,100	28,500	67 %	9,400
Total Expenses	593,193	6,812,277	7,000,789	97 %	188,512

Valley Sanitary District
Combined Monthly Account Summary
 June 2020 (UNAUDITED)

<u>Account Description</u>	<u>Current Month</u>	<u>Fiscal YTD</u>	<u>Annual Budget</u>	<u>% Expended</u>	<u>Balance</u>
Capital Expenses					
Capital O & M Fund 11	(51,281)	78,930	235,000	34 %	156,070
Capital Replacement Fund 12	104,241	733,862	2,469,410	30 %	1,735,548
Capital Improvement Fund 13	0	0	40,000	0 %	40,000
Total Capital Expenses	52,960	812,792	2,744,410	30 %	1,931,618

Valley Sanitary District
Monthly Income Summary
June 2020 (UNAUDITED)

	<u>Current Month</u>	<u>Fiscal YTD</u>	<u>Annual Projection</u>	<u>% Received</u>	<u>Balance</u>
Revenues					
Sewer Service Chgs-Current	\$288,314	\$11,141,837	\$11,144,678	100 %	\$2,841
Sewer Service Chgs-Penalties	\$0	\$0	\$1,000	0 %	\$1,000
Permit & Inspection Fees	\$3,055	\$21,225	\$20,000	106 %	(\$1,225)
Plan Check Fees	\$450	\$9,900	\$10,000	99 %	\$100
Other Services	\$3,740	\$3,740	\$1,800	208 %	(\$1,940)
Sale of Surplus Property	\$0	\$6,996	\$0	0 %	(\$6,996)
Taxes - Current Secured	\$349,942	\$841,132	\$700,000	120 %	(\$141,132)
Taxes - Current Unsecured	\$0	\$25,778	\$25,000	103 %	(\$778)
Taxes - Prior Secured	\$0	\$7,748	\$6,000	129 %	(\$1,748)
Taxes - Penalties	\$0	\$0	\$1,500	0 %	\$1,500
Supple Prop. Taxes - Current	\$0	\$3,357	\$7,000	48 %	\$3,643
Supple Prop. Taxes - Prior	\$272	\$2,481	\$3,200	78 %	\$719
Homeworkers Tax Relief	\$932	\$6,203	\$6,000	103 %	(\$203)
Interest Income	\$1,242	\$262,940	\$300,000	88 %	\$37,060
Unrealized gains (losses)	\$1,058	\$23,174	\$0	0 %	(\$23,174)
Rebate Income	\$0	\$350	\$0	0 %	(\$350)
Non-Operating Revenues - Fnd 11	\$0	\$231,457	\$500	46,291 %	(\$230,957)
Interest Income	\$0	\$361,278	\$0	0 %	(\$361,278)
Connection Fees	\$74,800	\$832,348	\$1,100,000	76 %	\$267,652
Interest Income	\$0	\$91,058	\$120,000	76 %	\$28,942
Total Revenues	\$723,804	\$13,873,003	\$13,446,678	103 %	(\$426,325)



**Valley Sanitary District
Board of Directors Meeting
July 28, 2020**

TO: Board of Directors

FROM: Beverli A. Marshall, General Manager

SUBJECT: **Public Hearing and Adoption of Resolution No. 2020–1135
Determining Certain Amounts to Be Delinquent and Directing the
Placement of These Accounts on The County Property Tax Roll
for Collection**

<input checked="" type="checkbox"/> Board Action	<input type="checkbox"/> New Budget Approval	<input type="checkbox"/> Contract Award
<input type="checkbox"/> Board Information	<input checked="" type="checkbox"/> Existing FY Approved Budget	<input type="checkbox"/> Closed Session

Executive Summary

The purpose of this report is for the Board to discuss delinquent accounts from Fiscal Year 2019/20.

Strategic Plan Compliance

This item complies with VSD Strategic Plan Objective 5: Long-Term Financial Strength.

Fiscal Impact

If approved at the July 28, 2020 meeting of the Board of Directors, the collectability of the \$1,478.67 placed on the tax rolls will be secured.

Background

Each year staff reviews the outstanding invoices of all properties that have not paid their invoices for the various fees. Action to collect debts through the tax roll process is a cost effective and efficient method of debt collection and will result in a positive impact on revenue as it will ensure collection of delinquent amounts.

Pursuant to Government Code Section 6520.11, the Board of Directors set a public hearing date and notice was sent to each specific property and posted on the District website. In June, staff mailed notices to all delinquent accounts advising them that unless the payment was received by July 31, 2020, the delinquent amount would be placed on the property tax rolls for collection.

At the close of the Public Hearing, the Board of Directors will be asked to adopt Resolution 2020-1135, allowing the delinquent invoices to be placed on the property tax roll for collection.

Recommendation

It is recommended that, upon closing of the public hearing, the Board of Directors, by roll call vote, adopt Resolution No. 2020-1135 determining the amounts to be delinquent and directing the placement of these accounts on the county property tax roll for collection.

Attachments

Attachment A: Resolution No. 2020-1135

Attachment B: Schedule of Outstanding Miscellaneous Billings

RESOLUTION NO. 2020-1135

A RESOLUTION OF THE BOARD OF DIRECTORS OF VALLEY SANITARY DISTRICT DETERMINING CERTAIN ACCOUNTS TO BE DELINQUENT AND DIRECTING THE PLACEMENT OF THESE ACCOUNTS ON THE COUNTY PROPERTY TAX ROLL FOR COLLECTION

WHEREAS, the Board of Directors of Valley Sanitary District has determined that the collection of delinquent fees is essential to maintaining the health and safety of the community at large; and

WHEREAS, pursuant to Section 6520.10 of the California Health and Safety Code authorizes the District to collect delinquent charges for services bills through the placement of a special assessment to be collected with county taxes; and

WHEREAS, pursuant to Section 6520.11 of the California Health and Safety Code all property owners have been notified of the delinquent account and the public hearing has been noticed and held on July 28, 2020 and heard all protests thereto, and found that said accounts were delinquent and should be placed on the tax roll to be collected as special assessments; and

NOW, THEREFORE, the Board of Directors of Valley Sanitary District **HEREBY RESOLVES** as follows:

- Section 1: The unpaid fees and charges for collection of sewer service charges during July 1, 2019 to June 30, 2020, and prior service periods, as set forth in the Report, are hereby confirmed. The total amount of unpaid fees and charges confirmed herein shall constitute a lien against each respective parcel of land as it appears on the assessment roll for 2020/2021.
- Section 2: The District Secretary shall immediately forward and file a certified copy of this Resolution, along with a copy of the confirmed Report, to the County Tax Collector with the request that the County Auditor add the total amount of unpaid fees and charges for each parcel to the property tax roll for 2020/2021, and the amount of such charges shall be collected along with the general property taxes for the fiscal year.

PASSED, APPROVED, and ADOPTED this _____ day of _____, 2020, by the following roll call vote:

AYES:
NAYES:
ABSENT:
ABSTAIN:

Mike Duran, President

ATTEST:

Debra Canero, Secretary

Valley Sanitary District
Schedule of Outstanding Miscellaneous Billings
Account 11-1310000-0
As of June 30, 2020

Invoice #	Year	Billed To	Description	Date	Amount	APN
5930	19/20	Alan and Michele Braden	Rejected by Co of Riverside 2019 / 2020	05/29/20	\$ 313.00	696-560-007
5884	19/20	Armando Bravo	PRO-RATED 2019 / 2020	03/12/20	\$ 130.45	612-110-038
5927	19/20	Kenneth and Rhonda Buckles	Rejected by Co of Riverside 2019 / 2020	05/22/20	\$ 313.00	696-560-036
5932	19/20	Eric Conrad	Rejected by Co of Riverside 2019 / 2020	05/29/20	\$ 313.00	696-230-001
5917	19/20	Leslie Crane	Pro-rated Sewer Service Fee	04/29/20	\$ 26.10	602-340-024
5918	19/20	Mr. and Mrs. Fassett	Pro-rated Sewer Service Fee	04/29/20	\$ 34.96	600-310-075
5920	19/20	Erika L Gomez	Rejected by Co of Riverside 2019 / 2020	04/29/20	\$ 313.00	610-162-007
5913	19/20	Kurt Hardin	Pro-rated Sewer Service Fee	04/29/20	\$ 26.10	602-550-018
5929	19/20	Steven Stone & Barbara Hylton	Rejected by Co of Riverside 2019 / 2020	05/29/20	\$ 313.00	696-310-007
5919	19/20	Mr. and Mrs. Kaun	Pro-rated Sewer Service Fee	04/29/20	\$ 34.96	600-290-074
5885	19/20	LK Management Indio LP	Pro-rated Sewer Service Fee	03/12/20	\$ 469.50	692-050-011
5916	19/20	Mr. and Mrs. Macintosh	Pro-rated Sewer Service Fee	04/29/20	\$ 26.10	602-560-005
5915	19/20	Mr. and Mrs. Metz	Pro-rated Sewer Service Fee	04/29/20	\$ 26.10	602-560-042
5933	19/20	Mary Silsbe	Rejected by Co of Riverside 2019 / 2020	05/29/20	\$ 313.00	696-220-001
5883	19/20	Michael Styve	Pro-rated Sewer Service Fee	03/12/20	\$ 130.50	602-560-066
5882	19/20	David Uzelman	Pro-rated Sewer Service Fee	03/12/20	\$ 130.50	602-560-054
5914	19/20	Mr. and Mrs. Vanak	Pro-rated Sewer Service Fee	04/29/20	\$ 26.10	602-560-018
		Total Due			\$ 2,939.37	
Payments received:						
2135	19/20	Mr. and Mrs. Macintosh		06/22/20	\$ 26.10	602-560-005
2137	19/20	LK Management Indio LP		06/25/20	\$ 469.50	692-050-011
2138	19/20	Alan and Michele Braden		06/25/20	\$ 313.00	696-560-007
2150	19/20	Mary Silsbe		07/13/20	\$ 313.00	696-220-001
2155	19/20	Mr. and Mrs. Vanak		07/15/20	\$ 26.10	602-560-018
2157	19/20	Steven Stone & Barbara Hylton		07/20/20	\$ 313.00	696-310-007
2166	19/20	Eric Conrad		07/22/20	\$ 313.00	696-230-001
		Collected as of 7/22/2020			\$ 1,773.70	
Delinquencies to be added to the 2020 / 2021 Tax Rolls (less receipts prior to TR submittal)					\$ 1,165.67	



**Valley Sanitary District
Board of Directors Meeting
July 28, 2020**

TO: Board of Directors
THROUGH: Beverli A. Marshall, General Manager
FROM: Ian Wilson, Facility Operations Manager
SUBJECT: **Authorize the Purchase of a SB10000 v20 Solar Bee Mixer in an Amount not to Exceed \$47,767**

<input checked="" type="checkbox"/> Board Action	<input type="checkbox"/> New Budget Approval	<input type="checkbox"/> Contract Award
<input type="checkbox"/> Board Information	<input checked="" type="checkbox"/> Existing FY Approved Budget	<input type="checkbox"/> Closed Session

Executive Summary

The purpose of this report is for the Board to discuss the purchase of the solar mixer.

Strategic Plan Compliance

This item complies with VSD Strategic Plan Objective 3.2: Increase use of technology to lower costs and improve reliability.

Fiscal Impact

The fiscal impact from the recommended purchase is \$47,767, which is included in the adopted Comprehensive Budget for Fiscal Year 2020/21. Ancillary fiscal effects will be routine maintenance costs, and the potential for SCADA integration. Removal of the existing aerator will result in an annual energy savings of approximately \$20,367.

Background

The total suspended solids (TSS) generated in the pond treatment system has been an operational challenge for a long time. During the warmer months, the ponds see an increase in TSS primarily due to an increase in algae. In April 2020, the Regional Water Board lowered TSS effluent limits for the pond treatment system in the new NPDES permit. The lower limit exacerbated an already difficult situation even more challenging to day-to-day operations.

The purchase and installation of the mixer will allow for a complete mix of pond 3 and mitigate the growth of unwanted excessive algae, odors associated with algae blooms, and BOD. The purchase will also allow staff to remove at least one 25hp aerator that runs 24 hours a day and has a significant annual energy cost.

Recommendation

Staff recommends that the Board of Directors authorize the purchase of a SB10000 v20 Solar Bee Mixer in an amount not to exceed \$47,767.

Attachments

Attachment A: Solar Mixer Quote dated July 15, 2020

Attachment B: Sole Source Letter

Attachment C: Wastewater Case Study

Attachment D: Wastewater Case Study

Attachment E: Wastewater Case Study



Quotation: Wastewater Mixing Equipment for Valley City Sanitary District

Date: July 15, 2020

Proposal Expiration Date: October 13, 2020

Project #: 12484

To: Ian Wilson
Valley City Sanitary District
45-500 Van Buren St Indio CA 92201
iwilson@valley-sanitary.org • 760-238-5418

From: Harvey Hibl, IXOM Regional Manager, Offices in: AZ, CO, OR
harvey.hibl@medoraco.com • 303-887-5323

Nicole Tribitt, IXOM Engineered Sales Dept., Dickinson, ND
nicole.tribitt@medoraco.com • 866-437-8076

1. Location Information

The Valley City Sanitary Water District located in Indio, CA (33 42'46.98"N 116 11'48.88"W) is a three pond, municipal wastewater operating in series, discharging continuously with three of the ponds as the NW pond is not used. In this quotation we are recommending treatment for Pond 3, which has a 1,130-foot length, a 510-foot width, a 9-foot operating depth, and a 13.12-acre surface area.

2. Customer Objectives

To provide long-distance circulation to provide blue-green algae control and to reduce the current grid-powered aeration system's usage and maintenance costs.

3. IXOM Watercare Inc Recommendation for this Project

Solar-Powered Option 1: We recommend the placement of two (2) SolarBee model SB10000 v20 machines, evenly spacing them in Pond 3.

Solar-Powered Option 2: Or, if an incremental approach is desired one (1) SolarBee model SB10000 v20 machine in the center of Pond 3 can be used.

4. Proposed Machine Placement:

Option 1:



Legend:

SB10000 Placement:



Tether line:



Option 2:



The machines are not drawn to scale, and final placement will be determined prior to deployment.

5. Equipment Cost - For Equipment and Option Details, See Attached Documents

5.1 Pricing for Solar-Powered Machines - Option 1:

Quantity	Equipment Description	Cost Each	Equipment Total
2	SB10000 v20 SolarBee Mixer: Including 10' adjustable intake hose, High torque, direct drive (no gearbox), low voltage brushless D.C. motor, 550ft SS cable for tethering and SCADA brain-board with six outputs.	\$42,108	\$84,216
Equipment Subtotal:			\$84,216
Applicable Taxes (Estimated at 8.750%, please confirm rate when placing an order):			\$7,369
FOB Destination, cost for Freight Prepay & Add:			\$3,950
Project Total:			\$95,535

Reconditioned Units - Option 1:

Quantity	Equipment Description	Cost Each	Equipment Total
2	SB10000 v20 SolarBee Mixer: Including 10' adjustable intake hose, High torque, direct drive (no gearbox), low voltage brushless D.C. motor, 550ft SS cable for tethering and SCADA brain-board with six outputs.	\$32,158	\$64,316
Equipment Subtotal:			\$64,316
Applicable Taxes (Estimated at 8.750%, please confirm rate when placing an order):			\$5,628
FOB Destination, cost for Freight Prepay & Add:			\$3,950
Project Total:			\$73,894

5.2 Pricing for Solar-Powered Machines - Option 2:

Quantity	Equipment Description	Cost Each	Equipment Total
1	SB10000 v20 SolarBee Mixer: Including 10' adjustable intake hose, High torque, direct drive (no gearbox), low voltage brushless D.C. motor, 550ft SS cable for tethering and SCADA brain-board with six outputs.	\$42,108	\$42,108
Equipment Subtotal:			\$42,108
Applicable Taxes (Estimated at 8.750%, please confirm rate when placing an order):			\$3,684
FOB Destination, cost for Freight Prepay & Add:			\$1,975
Project Total:			\$47,767

Reconditioned Unit - Option 2:

Quantity	Equipment Description	Cost Each	Equipment Total
1	SB10000 v20 SolarBee Mixer: Including 10' adjustable intake hose, High torque, direct drive (no gearbox), low voltage brushless D.C. motor, 550ft SS cable for tethering and SCADA brain-board with six outputs.	\$32,158	\$32,158
Equipment Subtotal:			\$32,158
Applicable Taxes (Estimated at 8.750%, please confirm rate when placing an order):			\$2,814
FOB Destination, cost for Freight Prepay & Add:			\$1,975
Project Total:			\$36,947

Options for Solar and Electric Models	
SCADA Outputs	All SB v20 and reconditioned models come standard with a SCADA brain-board with six outputs. All GF models come standard with a SCADA brain-board with four outputs. For additional SCADA Accessories please request a price sheet.

Proposal Expiration: This proposal expires in 90 days, or on the date of any new proposal for this project, whichever is sooner.

Equipment Delivery Time: Delivery and placement are scheduled at time of order, and is usually between 4 and 8 weeks.

Warranty: IXOM has the best parts and labor warranties that we are aware of in the industry. The details of the Warranty which applies to this project are either attached to this document or are available at:

<https://www.medoraco.com/resources/warranty>

6. General Terms & Conditions of Sale

These terms and conditions (collectively, “Terms and Conditions”) govern all sales of products, equipment and services (collectively, “Goods”) agreed to be supplied by IXOM Watercare Inc (“Seller”) to any person to whom any quotation is made or who is offering to contract with the Seller (“Buyer”). The Terms and Conditions are incorporated into any order, offer, arrangement or understanding between the Seller and the Buyer (including pursuant to a quotation or letter of offer accepted by the Buyer) as well as any quotation or invoice or any other document to which they are attached (individually and collectively “Order”). All purchases by Buyer are expressly limited and conditioned upon acceptance of the Terms and Conditions and without limiting any other mode of acceptance, Buyer’s acceptance of the Goods manifests Buyer’s assent to the Terms and Conditions and the credit terms offered by Seller. Seller objects to and rejects any provision additional to or different from the Terms and Conditions that may appear in Buyer’s purchase order, acknowledgement, confirmation, writing or in any prior or later communication from Buyer to Seller, unless Seller expressly agrees to such provision in a written amendment signed by Seller. An Order together with these Terms and Conditions are herein referred to as “Contract”.

6.1 Prices; Taxes; Payment Terms; Default: (a) Prices for Goods and any adjustments to such prices shall be determined in accordance with Seller’s final pricing letter or offer forming part of the Contract which has been accepted by Buyer (“Price”).

(b) Prices do not include any sales, use, excise, privilege, or other taxes or assessments imposed on the Goods sold hereunder and unless Buyer provides proof of exemption satisfactory to Seller, such may be added to the price of the Goods.

(c) Subject to Section 6.1(e) and unless otherwise agreed in writing, payment terms are net 30 days from date of invoice. Payments not received when due shall incur service charges at the rate of 1.5% per month (18% per annum) until paid, compounded on a daily basis.

(d) If any of the events set out in this Section 6.1(d)(i) through (v) below occur, Seller reserves the right, among other remedies, to delay or suspend further shipments or require full or partial cash payment in advance until all sums due have been paid. Buyer shall be liable for all costs and expenses incurred by Seller in collecting any overdue amounts, including without limitation reasonable attorneys’ fees.

- (i) Buyer defaults in any payments or is unable or states that it is unable to pay its debts as and when they fall due.
- (ii) Buyer commits an act of bankruptcy, files a voluntary petition in bankruptcy or has filed against it an involuntary petition in bankruptcy or has a trustee, receiver, liquidator, custodian, conservator, manager, controller or voluntary administrator appointed in respect of Buyer's estate or any part of Buyer's property or assets.
- (iii) Buyer passes a resolution for its winding up or enters into liquidation or has an application for winding up filed against it.
- (iv) Buyer makes an assignment for the benefit of its creditors.
- (v) Buyer experiences any analogous event having substantially similar effect to any of the events listed above.

(e) Notwithstanding Section 6.1(a), Seller may at any time in its sole and unfettered discretion and without being under any duty or obligation to assign reasons, review, alter or terminate Buyer's credit limit or payment terms without notice. Without limiting the generality of the foregoing, the decision of Seller shall be final and Seller accepts no liability or responsibility for any loss, howsoever arising, incurred by Buyer due to the operation of this condition.

6.2 Service Delivery & Responsibility to Purchase: (a) Unless agreed otherwise in writing, all shipments are F.C.A. Seller's or its sub-contractor's warehouse. Shipping dates are estimates only and are subject to Seller's lead time policy. Seller shall make all reasonable efforts to have Goods delivered to Buyer on or about the date or within the time frame of the Order but Seller shall not be liable for any failure or delay in delivery for any reason. Buyer is responsible for disposing of all non-returnable containers and shipping materials.

(b) Purchase orders issued by Buyer and placed with Seller are irrevocable and Buyer is contractually obliged to take delivery and pay for all Goods ordered and supplied or made available by Seller pursuant to such purchase order. If Seller does not receive forwarding instructions sufficient to enable it to dispatch Goods within fourteen (14) days after notice to Buyer that such Goods are ready, Buyer shall be deemed to have taken delivery from such date and shall be obliged to pay reasonable storage charges payable on demand. Unless otherwise agreed upon by the parties in writing, if Buyer does not accept delivery or collect Goods from Seller when made available at the agreed delivery point in accordance with the Contract, Buyer also will pay Seller for SLC-7548174-2 storage costs and reimburse Seller for any demurrage, transport or futile delivery costs incurred by Seller.

6.3 Title; Risk of Loss or Damage: Title to and risk of loss of the Goods shall pass to Buyer upon delivery to the carrier at point of shipment.

6.4 Inspection; Acceptance: Buyer shall promptly examine the Goods for any damage or shortage or failure of the Goods to comply with the Seller's standard sales specifications or the specifications contained in or referenced in the Contract. All claims for damage or shortage of Goods shall be deemed waived unless made in writing and received by Seller within 30 days of delivery of the Goods. If Buyer finds that any of the Goods do not comply with the specifications, Buyer may, at its option, reject that portion of the Goods that fail to comply by providing Seller with a notice made in writing and received by the Seller within 30 days of delivery of the Goods. Failure to timely deliver written notice of any such claim or rejection of the Goods within the warranty period specified in this clause 4 shall be deemed an absolute and unconditional waiver of such claim for damage or shortage or a right to reject such Goods and all claims related there to and shall constitute an unqualified acceptance of such Goods, irrespective of whether the facts giving rise to such claim shall have then been discovered or of whether use or application of the Goods shall have then taken place.

6.5 Returns: Returned Goods shall not be accepted unless Buyer obtains prior written approval and transportation instructions from Seller. All Goods returned to Seller must be in full containers or cases, unopened and in the same condition as when delivered. If a return is approved by Seller, Goods may be returned for exchange or credit only. Seller shall give no cash refunds for returned Goods. Approved returned Goods are subject to a restocking charge of 15% of the invoiced value of such Goods and Buyer shall pay all transportation charges.

6.6 Limited Warranty: (a) Subject to Section 6.6(e) and Section 7 below, Seller warrants title and that the Goods shall conform to Seller's standard sales specifications in effect at the time of manufacture or the specifications agreed by the parties in writing and contained or referenced in the Order. Equipment components not manufactured by Seller which are incorporated in the Goods may, if specified elsewhere in the Contract, be subject only to warranties of Seller's vendors and Seller hereby assigns to Buyer all such rights in such vendor's warranties and will provide reasonable assistance in enforcing such rights.

(b) Buyer is solely responsible for determining that the Goods and their specification and scope are appropriate for Buyer's intended use. Any advice or recommendations by Seller with respect to the Goods or the use of the Goods are provided in good faith based on tests or experience believed to be reliable but such advice or recommendations are not warranted. Buyer agrees that it is responsible for ensuring that Goods that comply with the warranties in Section 6.6(a) are fit and suitable for its purposes, requirements, processes, plant and equipment.

(c) To the maximum extent permitted by law, Seller makes no other representation or warranty of any kind, and hereby expressly disclaims all other representations or warranties, express, implied, statutory or arising from a course of dealing, usage of the trade or otherwise, including without limitation any representation or warranty as to merchantability, fitness for a particular purpose, or any other matter with respect to the goods, whether used alone or in combination with any other goods, substances processes or materials or services.

(d) In the event the exclusion of some or all of such warranties under section 6.6(c) for certain goods subject to this contract would be illegal, any additional warranty would be limited to the warranty required by applicable law and to the extent permitted by such law, would be subject to section 6.6(e) and section 6.7, and is conditioned upon use in accordance with label directions under normal conditions reasonably foreseeable to seller with buyer assuming the risk of any use contrary to label directions, under abnormal conditions or under conditions not reasonably foreseeable to seller.

(e) Seller's sole liability and Buyer's sole remedy for breach of warranty are specifically limited to the repair of the goods (or re-performance of services when applicable) or the cost thereof where Seller fails to perform such repair necessitate by a breach of warranty, and such liability and remedy re exclusive of all other liabilities and remedies. Should these remedies be found inadequate or to have failed of their essential purpose for any reason whatsoever, Buyer agrees that the return of the amount paid by buyer to seller for the purchase of the goods which fail to conform with the warranties set forth in section 6.7 shall be considered a fair and adequate remedy and prevent the remedies from failing of their essential purpose.

6.7 Limitation of Liability: (a) The liability of Seller and its affiliates to Buyer under and in connection with the Contract is limited to the price allocable to the Goods giving rise to the claim and in no event shall the cumulative liability of Seller howsoever arising, whether under warranty, contract, tort, negligence, strict liability, indemnification, defense or any other cause or combination of causes whatsoever, exceed the total payments received from Buyer under the Contract in connection with the Goods.

(b) To the extent permitted by law and notwithstanding any provision to the contrary in the contract, Seller shall not be liable for special, indirect, incidental or consequential damages, including without limitation, and loss of profits. Loss of business revenues, loss of capital, failure to realize expected profits or savings, overhead costs, loss by reason of service interruption or increased expense of operation, loss of goodwill, loss of reputation, loss of value in any intellectual property, damages or liquidated sums payable pursuant to other agreements or to other third parties, other economic losses, whether arising under warranty, contract; negligence (including negligent misrepresentation) or other tort, strict liability, breach of statute, indemnification, or any other cause or combination of causes, including any theories of concurrent liability arising from a duty of care by operation of law or otherwise.

6.8 Safe Storage Handling & Use; Assumption of Risk; Indemnification: Buyer acknowledges that it is familiar with the risks associated with the storage, handling and use of Goods and any waste resulting therefrom. Accordingly and notwithstanding anything to the contrary set forth in the Contract, Buyer covenants and warrants and shall ensure that (i) that it and its employees, agents, carriers and customers are familiar with and adhere to all necessary and appropriate precautions and safety measures to safely store, handle or use the Goods; (ii) it and its employees, agents, carriers and customers shall comply with all applicable Laws, including without limitation, environmental laws and regulations pertaining to the storage, handling and use of Goods; (iii) shall obtain and comply with all required permits and licenses. Seller takes no responsibility for, and Buyer assumes all risks associated with waste characterization, regulatory status and chemical composition of any product, process, material, waste or substance into which the Goods are incorporated or applied. Without limiting the foregoing, Buyer shall further ensure that all storage tanks, vessels, and pipes, hoses and valves and other components used by Buyer or its employees, agents, carriers and customers to store, handle and transfer Goods which are bulk chemicals are properly installed and maintained to prevent injury, death or loss of containment during storage, handling and transfer of such Goods. If Buyer resells or distributes Goods to third parties, Buyer assumes responsibility for ensuring that it provides detailed instructions to such third parties regarding safe storage, handling and use of those Goods and any Storage Items or packaging in which such Goods are stored. To the maximum extent allowed by law, Buyer assumes all risks and liability whatsoever for all injuries, losses and damages to persons or property or otherwise and shall indemnify, defend and hold harmless Seller and Seller's employees and agents against all claims, damages, losses, costs, liabilities, and other expenses (including investigation and attorneys' fees) that Seller incurs or may be obligated to pay as a result of (i) Buyer's, its employees', agents', carriers' or customers' handling, possession, further processing, storage, use treatment, transportation, disposal, sale or other use or disposition of the Goods, whether used alone or in combination with other products, materials, substances or wastes, (ii) Buyer's, its employees', agents', carriers' or customers' violation or alleged violation of any Law, or (iii) Buyer's breach of any of its obligations set forth herein.

6.9 Force Majeure: Shipments or deliveries may be totally or partially suspended or delayed by Seller during any period in which the Seller may be prevented or hindered from manufacture, delivery or supply through any circumstances outside Seller's reasonable control or where such manufacture, delivery or supply is rendered materially more expensive by such circumstances. Circumstances beyond Seller's reasonable control shall include, without limitation, strikes, lockouts or other labor difficulty; acts of carriers; acts of God; acts of civil or military authorities; acts or omissions of Buyer; war; riot; fire; explosion; acts of terrorism; flood; any inability to obtain or lack of any necessary or adequate materials, inputs, fuel, power, labor, equipment, containers, facilities or services on usual terms; power or water shortage; accidents or breakdowns or failures of plant or machinery or apparatus; delays, congestions or blockages at sea ports or transport depots or software, hardware or communication network; changes in applicable Laws; or any other event, whether or not enumerated herein, beyond the reasonable control of Seller that makes impractical the manufacture, transportation or shipment of the Goods or of a material or other resource upon which the manufacture, transportation or shipment of the Goods depends. Seller shall not incur any liability to Buyer in respect of such suspension.

6.10 Intellectual Property: Seller is the sole and exclusive owner of the Intellectual Property in the Goods and processes incorporated in such Goods, and the rights attached to that Intellectual Property. Nothing herein grants to Buyer any right, title or interest in or to any of the Intellectual Property in the Goods. Buyer shall not claim to have acquired any right, title or interest to the Intellectual Property in the Goods by virtue of purchasing Goods sold hereunder. Buyer shall not deconstruct, reverse compile or reverse engineer the Goods in any way for the purpose of deciphering or replicating the chemical composition of the Goods. As used herein, "Intellectual Property" means any intellectual or industrial property right anywhere in the world including, without limitation, any patent, patent application, utility model, copyright (including copyright in manuals, databases, and promotional materials), registered design and other design rights, unpatented secrets and innovations, confidential information, and any other rights that may subsist anywhere in the world in improvements, inventions and other manufacturing processes or technical and other information of Seller. Buyer shall not resell, distribute or supply the Goods to any third party for any reason without Seller's prior written consent.

6.11 Confidentiality; Entire Agreement; Amendments; Changes to Terms & Conditions: (a) All information that Buyer acquires from Seller hereunder, directly or indirectly, and all information that arises out of the sale of the Goods hereunder, concerning such Goods and/or proprietary processes involved, including information concerning Seller's current and future business plans, information relating to Seller's operations, know-how, and other.

Seller-furnished information shall be deemed Seller's "Proprietary Information". Buyer shall (a) hold Seller's Proprietary Information in strictest confidence, (b) not disclose it to others, (c) use it solely for purposes of this Agreement and (d) upon Seller's request, either promptly deliver to Seller all such Proprietary Information that is in written, electronic or other form, including copies and summaries, or, at Seller's option, destroy such Proprietary Information and provide Buyer certification of such destruction. The obligations under this Section shall survive the expiration or termination of the Contract.

(b) The Contract constitutes the entire agreement of the parties with respect to the purchase and sale of Goods and supersedes and excludes all prior and other discussions, representations (contractual or otherwise) and arrangements relating to the supply of Goods, including but not limited to, those relating to the performance of Goods or results that ought to be expected from using the Goods. Nothing in the Terms and Conditions is.

6.12 Governing Law: The rights and duties of the parties and any dispute regarding the sale of Goods covered hereby shall be resolved according to the laws of the state of Colorado, without regard to its conflicts of law provisions. Buyer hereby agrees to submit to the non-exclusive jurisdiction of the courts in the state of Colorado. Any controversy or claim arising out of or relating to the sale of Goods or the dealings between the parties shall be settled exclusively by arbitration in Denver, Colorado by a single arbitrator pursuant to the American Arbitration Association's Commercial Arbitration rules then in effect, and judgment upon the award shall be entered in any court having jurisdiction thereof. The prevailing party in any arbitration proceeding shall be entitled to recover its reasonable attorneys' fees and costs, in addition to any other relief obtained.

6.13 Waiver: No failure to exercise nor any delay or omission in exercising any right, power or remedy by Seller operates as or constitutes a waiver. A single or partial exercise by Seller of any right, power or remedy does not preclude any other or further exercise by it of that or any other right, power or remedy. A waiver is not valid or binding on Seller unless made in writing. No failure by Seller to exercise, nor any delay or omission by Seller in exercising any right, power or remedy nor any representation made or conduct carried out by Seller under the Contract or in connection with the supply of Goods or any of them shall constitute or provide grounds for a common law or equitable estoppel.

6.14 Severance: If any provision of the Terms and Conditions or its application to any person or circumstances is or becomes invalid, illegal or unenforceable, the provision shall so far as possible be read down to such extent as may be necessary to ensure that it is not invalid, illegal or unenforceable. If any provision or part of it cannot be so read down, the provision or part of it shall be deemed void and severable and the remaining provisions of the Terms and Conditions shall not in any way be affected or impaired.

7. To Accept This Quotation

To order the equipment, please issue a purchase order to IXOM Watercare Inc. , 3225 Hwy. 22, Dickinson, ND 58601. The purchase order can be mailed to the address above, faxed to 866-662-5052, or emailed to the home office at orderprocessing@medoraco.com.

This IXOM Watercare Inc. quotation should be attached to the purchase order, and the purchase order should refer to the IXOM quotation by date, and should accept the quotation in its entirety. Acceptable language on the purchase order would be " Quantity: 1. Description: "Equipment per the attached quotation from IXOM Watercare Inc. dated _____, including all terms shown on that quotation. " If there is any language missing, or extra language in the purchase order such as a referral to specifications, then IXOM Watercare Inc. will not be able to accept the purchase order.

If a purchase orders is not utilized, please sign and date below, provide billing information, and fax to 866-662-5052 or email to orderprocessing@medoraco.com.

Signing below acknowledges acceptance of this quotation. Please indicate which one of the following options has been chosen:

Proposal Date: July 15, 2020

Proposal Expiration Date: October 13, 2020

Project #: 12484

SolarBee Mixers - Option 1

Choose Only One (1) of the Following:

Shipping Cost, Prepaid & Add

Reconditioned Units - Option 1

SolarBee Mixers - Option 2

Choose Only One (1) of the Following:

Shipping Cost, Prepaid & Add

Reconditioned Unit - Option 2

Signature

Date

Printed Name

Title



July 15, 2020

Ian Wilson
Valley City Sanitary District
45500 Van Buren St
Indio, CA 92201

Dear Ian,

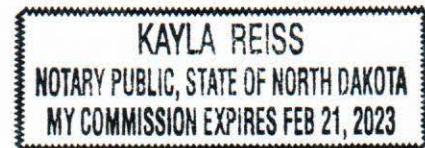
This letter is to certify that the SolarBee Model SB10000 high-flow, long-distance water circulation equipment, which Valley City Sanitary District is considering purchasing, is available only through Ixom Watercare Inc. of Dickinson, North Dakota.

Ixom Watercare Inc. is the exclusive manufacturer of this equipment, which encompasses 13 or more patents with 50+ patent claims, plus some additional patents pending and the sole licensee of this technology. A list of granted patents are available at: <http://www.medoraco.com/patents>.

The purchase price presented for this equipment is the same price charged to all U.S. agencies and other organizations, after allowing for small differences in delivery and placement charges based on quantity and mileage differences between projects.

Sincerely,

Cliff Tormaschy
Operations, Marketing & Strategy Manager



(Notary Seal)

The above individual signed this letter in my presence on July 15, 2020. Attested to by Kayla Reiss, Notary Public, Stark County, State of North Dakota.

Cyanobacteria & Odor Control In Irrigation Ponds

SolarBees continue to provide water quality benefits more than 10 years after deployment.

Topics: cyanobacteria, odor control, effluent storage basins, irrigation, reservoir circulation.



A SolarBee® SB5000 Reservoir Circulator deployed in Pond #4.

Location & Contact Information:

Heber Valley Special Service District
Midway, Utah

Dennis Gunn
Mobile: 435-901-2257
Email: dgunn.hvssd@gmail.com

Reservoir Overview:

Effluent storage basins used for irrigation.
Pond #4: ~36 Surface Acres
Pond #5: ~29 Surface Acres.

Pre-Deployment Conditions: This location had a history of cyanobacteria (blue-green algae) blooms, surface scum, and odor issues in the ponds and when irrigating. Duckweed and filamentous algae have been known to be issues here (especially Pond #5).

Project Objectives: Control cyanobacteria blooms, improve dissolved oxygen levels throughout the pond water column to prevent odors issues, enhance the organic sludge digestion and improve overall water quality.

Solution: Four (4) SolarBee® SB5000 Lake & Reservoir Circulators total; two (2) in Pond #4 and two (2) in Pond #5. (2006 & 2007)

Results: Since deployment, both Pond #4 and Pond #5 have shown consistent and improved water quality. Cyanobacteria blooms have been under control. Odor issues have been resolved within the ponds and while irrigating.

Overall, the owner is very pleased with the results and the performance of the SolarBee® circulation equipment over the years.



Medora Corporation

Reclaimed Water Recharge Reservoirs

City of Port Orange, FL

Topics: water re-use, blue-green algae, cyanobacteria, TSS/BOD



SolarBee® unit circulating one of the recharge reservoirs.

Customer: City of Port Orange Public Utilities
 Contact: Thomas Troutman
 Chief Operator Reclaimed Water Treatment Plant
 Office: 386.506.5786, ttroutman@port-orange.org

Overview: Lake A and Lake B are Reclaimed Water Recharge Reservoirs. Lake A has a surface area of approximately 100 acres, and Lake B is 75 acres, both with a 12-foot operating depth. Nearly 100% of the inflow comes from reclaimed water; there is very little groundwater input. Reclaimed water flows into the north end of Lake B at a permitted rate of 6 MGD. The flow continues to the south end of Lake B, then through a pipe to the south end of Lake A. Effluent is used to supply residential and business users in and around Port Orange.

Conditions / Objectives: Provide long-distance solar-powered circulation to control harmful cyanobacteria (blue-green algae) blooms and related odors. As well as improve overall water quality in order to meet reclaimed water testing limits.

Solution: Due to yearly budget constraints, this project was done in two phases. In February of 2015, five (5) SolarBee model SB10000 v18 reservoir circulators were deployed, two in Lake A and three in Lake B. In July of 2016, six (6) additional SolarBees, the new SB10000 v20 model, were deployed: four in Lake A and two in Lake B, for a current total of six SolarBees in Lake A and five in Lake B.

Results: Thomas Troutman: “We are very pleased with the results the SolarBees have done in our Recharge Reservoir Lakes. The lakes no longer look green and smell and our testing results have met the Florida Department of Environmental Protection’s 5-5-3-1 numeric criteria rule (5 TSS, 5 BOD, 3 Total Nitrogen & 1 Total Phosphorus) at our lake outfall structure. Should you need references for the efficiency of the SolarBee we would be honored to show how the SolarBees remove blue green algae and lower TSS, BOD and nutrients in our lake system.”

Medora Corporation | GridBee® SolarBee®

www.medoraco.com | 866-437-8076 | info@medoraco.com

Mixing In Two Effluent Storage Basins

Long-term cyanobacteria (blue-green algae) and odor control achieved.

Topics: cyanobacteria • blue-green algae • odor control • effluent storage basins • irrigation



Location & Contact Information:

City of Prescott, Arizona
Sundog WWTP

Scott Gregorio
Wastewater Superintendent
Phone: 928-777-1628
Email: scott.gregorio@prescott-az.gov

Basin Overview:

Two effluent storage basins of similar size and depth.

P1 Area: 3.6 acres

P2 Area: 3 acres

Max Depth: 8 feet

Each basin receives 1.2 MGD of effluent from the WWTP which then recharge water reclamation facilities at the local airport and golf courses .

Pre-Deployment Conditions: These basins are susceptible to algae blooms April through October and have severe weed growth in warmer months. Sludge build-up on bottom is also a concern.

Project Objectives: Control cyanobacteria blooms and improve dissolved oxygen levels throughout the pond water column to prevent odors issues. Enhance organic sludge digestion and improve overall water quality.

Solution: A total of two (2) SolarBee® SB10000V18 Lake & Reservoir Circulators, one (1) circulator in each basin. (2014)

Results: Since deployment, both basins have shown consistent cyanobacteria and odor control as well as improved overall water quality. The Customer is very pleased with the results and performance of the equipment over the years.

Update 2015: Per the Customer, "Things are going very well with the SolarBees. There are no problems what so ever and they are doing great!"

Update 2016: Per the Customer, "The SolarBee units are working very well. We have seen a vast reduction in the amount of algae that was inundating the ponds and plugging screens and pumps. No complaints, only positive results!"

Update 2019: Per the Customer, "We appreciate the courtesy service on the SolarBees. The units have served us well since they were put into service, with only minor maintenance required."



**Valley Sanitary District
Board of Directors Meeting
July 28, 2020**

TO: Board of Directors

FROM: Beverli A. Marshall, General Manager

SUBJECT: **Approve the First Amendment to the Employment Agreement with Beverli A. Marshall, General Manager, Increasing the General Manager’s Salary Pursuant to Sections 2 and 3 of the Current Employment Agreement and Amending the VSD Wage Schedule to Reflect the Updated Salary**

<input checked="" type="checkbox"/> Board Action	<input type="checkbox"/> New Budget Approval	<input type="checkbox"/> Contract Award
<input type="checkbox"/> Board Information	<input checked="" type="checkbox"/> Existing FY Approved Budget	<input type="checkbox"/> Closed Session

Executive Summary

The purpose of this report is to discuss the proposed amendment to the General Manager’s contract.

Strategic Plan Compliance

This item complies with VSD Strategic Plan Objective 1: Fully staffed with a highly trained and motivated team.

Fiscal Impact

If approved, the fiscal impact of the amendment is approximately \$9,000 in salary and \$4,000 in benefits, for a total increase of 13,000, which is included in the Comprehensive Budget for Fiscal Year 2020/21.

Background

The current employment agreement with the General Manager includes language requiring an annual performance evaluation as well as a merit increase upon achievement of a satisfactory evaluation. The performance evaluation was completed on July 14, 2020, and the General Manager’s performance was determined to be satisfactory. The Board authorized a 3% merit increase in addition to the COLA that was granted to all District employees, which is 1% as of July 1, 2020.

Recommendation

Staff recommends that the Board approve the first amendment to the employment agreement and adopt the amended VSD Wage Schedule to reflect the updated General Manager salary.

Attachments

- Attachment A: First Amendment to Employment Agreement between VSD and Beverli A. Marshall, General Manager
- Attachment B: Amended VSD Wage Schedule as of July 28, 2020

**EMPLOYMENT AGREEMENT FOR GENERAL MANAGER OF
VALLEY SANITARY DISTRICT**

The First Amendment (“First Amendment”) to Employment Agreement between the VALLEY SANITARY DISTRICT (“District”) and BEVERLI A. MARSHALL (“Employee”) is entered into on the 28th day of July 2020.

Except as modified in this First Amendment, the Employment Agreement (“Agreement”), originally dated May 15, 2019, between the District and the Employee shall remain in full force and effect.

The parties to this First Amendment agree to the following changes to the Agreement:

Section 2 entitled “Duties and Obligations of Employee”, subsection D entitled “Annual Performance Evaluations” is hereby amended, in its entirety.

“D. *Annual Performance Evaluations.* The Board shall review and evaluate the performance of Employee in writing on an annual basis at the first Board meeting of every July. The evaluation will set forth mutually defined goals to be achieved by the Employee in the subsequent year. The Employee will be provided an adequate opportunity to discuss her evaluation with the Board at the Board meeting. Failure of the Board to conduct a performance evaluation shall not prohibit the Board from terminating this Agreement in accordance with Section 5 of this Agreement.”

Section 3 entitled “Salary and Benefits”, subsection A entitled “Salary” is hereby amended, in its entirety, to reflect the new salary based on the completed annual performance evaluation.

“3. Salary and Benefits.

A. *Salary.* Employee shall be compensated at the rate of Two Hundred Thirty-five Thousand Seven Hundred Forty-one Dollars and No Cents (\$235,041), which shall be payable in installments at the same time as other employees of the District are paid, pursuant to the procedures regularly established, and as they may be amended by the District. Additionally, each year Employee shall be eligible for a three percent (3%) salary increase, contingent on a satisfactory annual review by the Board of Directors. Such performance-based salary increases must be memorialized by written amendment to this Agreement. Finally, Employee will receive any Cost of Living Adjustment (COLA) otherwise provided to all employees of the District. All compensation and comparable payments to be paid to Employee shall be less withholdings required by law.

The District and the Employee have duly executed this First Amendment effective as of the date first written above.

VALLEY SANITARY DISTRICT

BEVERLI A. MARSHALL

By: _____
President, Board of Directors

By: _____
General Manager

VSD Wage Schedule - AMENDED
Effective July 128, 2020

	A	B	C	D	E	F	G
Accounting Technician	4,760	4,998	5,248	5,510	5,786	6,075	6,379
Accounting Analyst	5,039	5,291	5,555	5,833	6,125	6,431	6,753
Administrative Assistant	4,318	4,534	4,760	4,998	5,248	5,511	5,786
Assistant Engineer	5,785	6,075	6,378	6,697	7,032	7,384	7,753
Associate Engineer	7,374	7,743	8,130	8,536	8,963	9,411	9,882
Collection System Tech-in-Training	3,842	4,034	4,236	4,448	4,670	4,904	5,149
Collection System Tech I	4,318	4,534	4,760	4,998	5,248	5,511	5,786
Collection System Tech II	4,758	4,996	5,246	5,508	5,784	6,073	6,376
Collection System Tech III	5,248	5,511	5,786	6,076	6,379	6,698	7,033
Development Services Tech I	4,531	4,757	4,995	5,245	5,507	5,783	6,072
Development Services Tech II	4,984	5,233	5,495	5,770	6,058	6,361	6,679
Development Services Tech II (Y-rated)							7,567
Development Services Tech III	5,482	5,756	6,044	6,346	6,664	6,997	7,347
Electrician/Inst Tech I	4,318	4,534	4,760	4,998	5,248	5,511	5,786
Electrician/Inst Tech II	4,758	4,996	5,246	5,508	5,784	6,073	6,376
Electrician/Inst Tech III	5,248	5,511	5,786	6,076	6,379	6,698	7,033
Engineering Technician	4,984	5,233	5,495	5,770	6,058	6,361	6,679
Environmental Comp Tech I	4,760	4,998	5,248	5,510	5,786	6,075	6,379
Environmental Comp Tech II	5,236	5,498	5,773	6,061	6,365	6,683	7,017
Environmental Comp Tech III	5,760	6,048	6,350	6,668	7,001	7,351	7,719
Human Resources Specialist	5,039	5,291	5,555	5,833	6,125	6,431	6,753
Lab Technician I	4,760	4,998	5,248	5,510	5,786	6,075	6,379
Lab Technician II	5,236	5,498	5,773	6,061	6,365	6,683	7,017
Lab Technician III	5,760	6,048	6,350	6,668	7,001	7,351	7,719
Maintenance Tech-in-Training	3,842	4,034	4,236	4,448	4,670	4,904	5,149
Maintenance Tech I	4,318	4,534	4,760	4,998	5,248	5,511	5,786
Maintenance Tech II	4,758	4,996	5,246	5,508	5,784	6,073	6,376
Maintenance Tech III	5,248	5,511	5,786	6,076	6,379	6,698	7,033
Management Analyst	6,166	6,474	6,798	7,138	7,495	7,870	8,263
Procurement Technician	4,104	4,309	4,524	4,750	4,988	5,237	5,499
Wastewater Operator-in-Training	3,842	4,034	4,236	4,448	4,670	4,904	5,149
Wastewater Operator I	4,318	4,534	4,760	4,998	5,248	5,511	5,786
Wastewater Operator II	4,758	4,996	5,246	5,508	5,784	6,073	6,376
Wastewater Operator III	5,248	5,511	5,786	6,076	6,379	6,698	7,033
Collection System Supervisor	6,379	6,698	7,033	7,385	7,754	8,142	8,549
Development Services Supervisor	6,379	6,698	7,033	7,385	7,754	8,142	8,549
Electrical/Instrumentation Supervisor	6,379	6,698	7,033	7,385	7,754	8,142	8,549

Facilities Maintenance Supervisor	6,379	6,698	7,033	7,385	7,754	8,142	8,549
Laboratory & Compliance Supervisor	6,379	6,698	7,033	7,385	7,754	8,142	8,549
Wastewater Operations Supervisor	6,379	6,698	7,033	7,385	7,754	8,142	8,549

Business Services Manager	7,033	7,384	7,753	8,141	8,548	8,976	9,424
Engineering Services Manager	9,895	10,390	10,909	11,455	12,027	12,629	13,260
Facility Operations Manager	7,033	7,384	7,753	8,141	8,548	8,976	9,424

General Manager (Contract)							18,828 <u>19,587</u>
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Colorado River Basin Regional Water Quality Control Board

July 09, 2020

CERTIFIED MAIL: 7018 1830 0000 3999 7720

Valley SD WWTP
Valley Sanitary District
Indio, CA 92201

WATER CODE SECTIONS 13267 AND 13383 ORDER WQ-2020-0015-DWQ FOR THE DETERMINATION OF THE PRESENCE OF PER- AND POLYFLUOROALKYL SUBSTANCES AT VALLEY SD WWTP, RIVERSIDE, NPD100051522

The enclosed Order was issued pursuant to Water Code sections 13267 and 13383 by the State Water Resources Control Board (State Water Board) and requires that Valley Sanitary District submit information electronically via the State Water Board's Internet-accessible database system, GeoTracker, to the Colorado River Basin Regional Water Quality Control Board (Regional Water Board).

Valley SD WWTP is identified as a publicly owned treatment works (POTW) that is a potential receiver of per-and and polyfluoroalkyl substances (PFAS) and thereby, a potential discharger to the environment. Order # WQ-2020-0015-DWQ requires Valley Sanitary District to submit technical reports and analytical data electronically via GeoTracker to investigate PFAS as specified in the Order attachment.

The State Water Board's Executive Director issued this Order under delegated authority from the State Board. Since it was not issued by the Regional Water Board, a petition for review under Water Code section 13320 is not authorized. However, final actions by the Regional Water Board implementing this Order may be subject to section 13320.

If you have any questions regarding this Order, please contact Kai Dunn at (760) 776-8986 or by email at Kai.Dunn@waterboards.ca.gov. Additional questions can be sent via email to pfas@waterboards.ca.gov. PFAS related State Water Board activities, information, and contact information can be found at <http://waterboards.ca.gov/pfas>.

A handwritten signature in blue ink that reads "Paula Rasmussen". The signature is fluid and cursive, with the first name "Paula" being larger and more prominent than the last name "Rasmussen".

Paula Rasmussen
Executive Officer

Enclosure: Order WQ-2020-0015-DWQ

cc: Kai Dunn (via email: kai.dunn@waterboards.ca.gov)

State Water Resources Control Board

WATER CODE SECTIONS 13267 AND 13383 ORDER FOR THE DETERMINATION OF THE PRESENCE OF PER- AND POLYFLUOROALKYL SUBSTANCES AT PUBLICLY OWNED TREATMENT WORKS

ORDER WQ 2020-0015-DWQ

Pursuant to Water Code sections 13267 and 13383, the State Water Resources Control Board (State Water Board) requires you to submit information as described herein. Failure to comply with this Order may subject you to civil liability of up to \$10,000 per day for each day in which the violation occurs.

Publicly owned treatment works (POTWs) are potentially significant receivers of per- and polyfluoroalkyl substances (PFAS) and have the potential to discharge these wastes to the environment. Potential discharges include, but are not limited to, wastewater effluent to surface waters and/or percolation basins, biosolids, and reverse osmosis concentrate/retentate from some treatment facilities. **Attachment 1** presents a conceptual model of PFAS emissions from a POTW (Interstate Technical Regulatory Council (ITRC), Per-and Polyfluoroalkyl Substances, March 2020). Your agency has been identified as owning or operating one or more POTWs in California that have a design capacity at or exceeding one million gallons per day (mgd), which is the scope of this Order. Additional orders may be issued in the future for facilities with less than an average dry weather design flow of 1 mgd capacity. **Attachment 2** presents a list of agencies and facilities required to comply with under this Order.

This Order requires completion of the following tasks:

1. Conduct sampling and analysis for each POTW listed in **Attachment 2** and submit the results of the sampling according to the requirements found in **Attachment 3**, Technical Sampling and Reporting Requirements.
2. Complete the questionnaire in **Attachment 3 (Sections C.3 and D)** for each of the POTWs listed in **Attachment 2**. The information required by the questionnaire shall be submitted electronically.

E. JOAQUIN ESQUIVEL, CHAIR | EILEEN SOBECK, EXECUTIVE DIRECTOR

I. FINDINGS

A. WHAT ARE PFAS?

PFAS are a family of more than 5,000 man-made and mostly unregulated chemicals that have been produced since the mid-1900s. They are mobile, persistent, and bioaccumulative. They are resistant to degradation in the environment and when degradation occurs, it often results in the formation of other PFAS compounds. The PFAS compounds have very different physical and chemical properties. Currently, the key classes of concern are perfluoroalkyl sulfonic acids such as the long-chain perfluorooctanesulfonate (PFOS) and perfluorooctanoic acid (PFOA).

PFAS are manufactured globally and have been used in the production of a wide range of industrial and household products. Discharges to sewer systems from these sources, including disposal of landfill leachate and firefighting foam, results in PFAS in the influent to POTWs. Typical POTW treatment systems are not designed to remove PFAS. Therefore, the discharge from POTWs, especially those with industrial inputs, are possible contributors of PFAS to the environment. The Water Boards issued investigative Orders to airports, landfills, and plating shops pursuant to Water Code section 13267 to determine the presence of PFAS in wells proximal to those facilities. Those facilities can be contributors of PFAS to a POTW. (ITRC, History and Use of Per- and Polyfluoroalkyl Substances (PFAS) Fact Sheet, November 2017).

PFAS are also found in many products such as dental floss, non-stick cookware, food packaging materials, non-stick products (e.g., Teflon™), waterproof and water repellent textiles, water repellent furniture, carpet, polishes, waxes, paints, cleaning products, medical garments, and fire-fighting foams (aqueous film-forming foams; AFFF). PFAS are used in the aerospace, automotive, chemical, electronics, metal coatings and plating, and textiles industries due to their friction-reducing characteristics. PFAS have the potential to enter the waste stream from many different sources. Potential firefighting sources of PFAS include airports and aviation facilities, military bases and training centers, petroleum refineries and terminals, and petrochemical production facilities. Non-industrial PFAS sources include waste disposal facilities, wastewater treatment plant operations, and biosolids application to land. More information on PFAS chemicals can be found at the [United States Environmental Protection Agency \(U.S. EPA\) website \(www.epa.gov/pfas\)](https://www.epa.gov/pfas). Additional information about PFAS can be found at the State Water Board's PFAS website at <https://www.waterboards.ca.gov/pfas/>.

PFAS are extremely persistent in the environment and highly mobile in water. People can be exposed to PFAS through food, food packaging, consumer products, house dust, and drinking water. Since these chemicals have been used in an array of consumer products, scientists have found PFOA and PFOS and other PFAS compounds in the blood of nearly all people tested. Exposure through drinking water

has become an increasing concern due to the tendency of PFAS to accumulate in groundwater.

Based on current available peer-reviewed studies on laboratory animals and epidemiological evidence in human populations, the U.S. EPA released the following statement:

“These studies indicate that exposure to PFOA and PFOS over certain levels may result in adverse health effects, including developmental effects to fetuses during pregnancy or to breastfed infants (e.g., low birth weight, accelerated puberty, skeletal variations), cancer (e.g., testicular, kidney), liver effects (e.g., tissue damage), immune effects (e.g., antibody production and immunity), thyroid effects and other effects (e.g., cholesterol changes).”

Please see [U.S. EPA Technical Note](http://www.epa.gov/sites/production/files/2017-12/documents/ffrrofactsheet_contaminants_pfos_pfoa_11-20-17_508_0.pdf) (www.epa.gov/sites/production/files/2017-12/documents/ffrrofactsheet_contaminants_pfos_pfoa_11-20-17_508_0.pdf) for more information.

B. WHICH PFAS MUST BE ANALYZED?

The Water Boards are concerned about all PFAS that exist in the environment. Due to analytical limitations, the focus of this Order is on 31 PFAS analytes listed in **Attachment 3**. The PFAS analyte list is not exhaustive but is intended to serve as a minimum requirement for sampling pursuant to this Order. Some laboratories may be capable of analyzing additional PFAS that are not included on the list.

C. WHY IS THE WATER BOARD REQUIRING THIS SAMPLING AND ANALYSIS?

The State Water Board and the Regional Water Boards are charged with the protection of the beneficial uses of water in California, including water used or that could potentially be used as drinking water. If PFAS-bearing wastes were discharged into the wastewater collection system, then it is likely that PFAS were discharged from the POTS in the effluent (including brine) and biosolids. The discharge of effluent may pose a threat to water quality if the effluent was discharged directly to surface waters or allowed to percolate to groundwater. PFAS in effluent discharges entering receiving waters also have the potential to bioaccumulate in aquatic food webs. Land application of biosolids may pose a threat to water quality by constituents percolating to groundwater or through water (such as irrigation water or storm water) carrying constituents to surface waters. The activities included in this Order are part of a statewide effort to 1) evaluate PFAS groundwater and surface water impacts and 2) conduct a preliminary investigation of the mass loading of PFAS into the POTW and then leaving the POTW in different media (treated wastewater, brine, biosolids). The State Water Board intends to direct other dischargers identified as potential PFAS sources in the state to perform PFAS testing. The State Water Board and the Regional Water Boards will evaluate the data collected to make informed decisions in implementing appropriate regulatory action.

D. WHAT LEVELS ARE A PUBLIC HEALTH CONCERN?

In May 2016, the U.S. EPA established drinking water Health Advisory Levels of 70 parts per trillion (ppt) (0.07 micrograms per liter (µg/L)) for PFOA and PFOS, individually or combined. These concentrations are now considered a preliminary remediation goal. The U.S. EPA *Draft Interim Recommendations to Address Groundwater Contaminated with Perfluorooctanoic Acid and Perfluorooctane Sulfonate* released in April 2019 suggested setting a remedial screening level at 40 ppt for PFOA and PFOS (individually). For more information on these advisories see the [U.S. EPA PFAS website](http://www.epa.gov/pfas) (www.epa.gov/pfas).

In August 2019, the State Water Board lowered the drinking water notification levels for PFOS and PFOA to 6.5 ppt and 5.1 ppt, respectively. In February 2020, the State Water Board lowered the response levels for PFOA and PFOS from 70 ppt combined to 10 ppt for PFOA and 40 ppt for PFOS based on a running four quarter average. More information on notification levels for PFAS compounds can be found on the State Water Board's Division of Drinking Water [PFOA and PFOS website](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/PFOA_PFOS.html) (https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/PFOA_PFOS.html).

Water Code section 106.3 indicates it is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by directing investigations to determine the presence of PFAS in and near waters that could be used for drinking water purposes.

II. WATER CODE SECTIONS 13267 AND 13383 ORDER FOR TECHNICAL OR MONITORING REPORTS

Water Code section 13267(b), authorizes the regional water boards to “require any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region... or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of water within its region shall furnish, under penalty of perjury, technical or monitoring reports which the regional board requires... In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports and shall identify the evidence that supports requiring that person to provide the reports.”

Water Code section 13267(f) authorizes the State Water Board to require this information if it consults with the Regional Water Boards and determines that it will not duplicate the efforts of the Regional Water Boards. The State Water Board has consulted with the Regional Water Boards and made this determination.

Water Code section 13383(a) authorizes the Water Boards to “establish monitoring, inspection, entry, reporting, and recordkeeping requirements... for any person who discharges, or proposes to discharge, to navigable waters, any person who introduces pollutants into a publicly owned treatment works, any person who owns or operates, or proposes to own or operate, a publicly owned treatment works or other treatment works treating domestic sewage, or any person who uses or disposes, or proposes to use or dispose, of sewage sludge.” Section 13383(b) continues, “the state board or the regional boards may require any person subject to this section to establish and maintain monitoring equipment or methods, including, where appropriate, biological monitoring methods, sample effluent as prescribed, and provide other information as may be reasonably required.”

The release of PFAS into the environment or the disposal of wastes containing PFAS constitutes a discharge of waste as defined in Water Code section 13050(d). The discharge of wastewater containing PFAS to a sanitary sewer system constitutes the introduction of pollutants into a POTW as described in Water Code sections 13383 and 13373, and Clean Water Act section 502.

Pursuant to Water Code sections 13267 and 13383, **you are hereby ordered to submit the reports identified in Attachment 3.**¹ Additional information regarding requirements for submitting reports under these sections of the Water Code is included as **Attachment 4**. Any requests for extensions must be submitted to the Regional Water Board identified in the cover letter of this Order for approval by the Executive Officer.

III. COST AND BENEFIT OF TECHNICAL OR MONITORING REPORTS

Water Code section 13267(b) specifies that the burden, including costs, of these reports must bear a reasonable relationship to the State Water Board’s need for the reports and the benefits to be obtained from the reports. The total cost of conducting the sampling and preparing the reports required by this Order is estimated to be in the range of \$5,000 to \$25,000 for sampling and reporting.

The cost of the reports bears a reasonable relationship to the benefit to be gained because, in terms of public health and environmental harm, contamination of groundwater and surface water must be identified before corrective action can be taken, if appropriate. As described further in this Order and in **Attachment 3**, the recipients of this Order are likely discharging PFAS, which EPA has determined may cause adverse health effects.

¹ Monitoring and reporting for groundwater and discharges to land are required pursuant to Water Code section 13267. Monitoring and reporting for discharges to surface water are required pursuant to Water Code section 13383.

IV. CALIFORNIA ENVIRONMENTAL QUALITY ACT

The issuance of this Order is an action to protect the environment and is categorically exempt from the provisions of the California Environmental Quality Act pursuant to sections 15304 and 15308, Chapter 3, Title 14 of the California Code of Regulations.

V. PENALTIES

Water Code section 13268 provides that failure to submit the required groundwater monitoring/reporting information by the specified compliance date, or falsifying any information provided therein, is a misdemeanor and may subject you to administrative civil liability of up to \$5,000 for each day of violation.

Water Code section 13385 provides that failure to comply with surface water monitoring/reporting information may result in administrative civil liability of up to \$10,000 for each day of violation. Please be advised that compliance with this Order is not a substitute for compliance with other applicable laws.

Therefore, pursuant to Water Code sections 13267 and 13383, you are hereby ordered to:

1. Complete the questionnaire in **Attachment 3 (Sections C.3 and D)** for each of the POTWs listed in **Attachment 2** for which your agency is identified as the responsible agency. The questionnaire shall be completed by the responsible agency and submitted **no later than the submittal of the second quarter analytical results from the treatment system sampling**. The information required by the questionnaire shall be submitted electronically using the form accessed through Geotracker and required supplemental information should be submitted electronically in a pdf format to the same website as the questionnaire.
2. Conduct sampling and analysis for each POTW listed in **Attachment 2** for which your agency is identified as the responsible agency and submit sampling results according to the requirements found in **Attachment 3**, as outlined below.
 - For POTWs with an existing groundwater monitoring and reporting program under an order issued by the State or Regional Board, submit **within 60-days prior to conducting the first groundwater monitoring event** the rationale and location of proposed groundwater monitoring wells for a one-time sampling event (refer to **Attachment 3, Section 3.b** for specific details).

- Analytical results from the treatment system and groundwater sampling events shall be uploaded into the Water Board's GeoTracker system **within 30 days of receiving the laboratory analytical report.**
- One monitoring report summarizing the treatment system and groundwater monitoring shall be uploaded into the Water Board's GeoTracker system **no later than 60 days following the receipt of the last analytical laboratory report.**

Perjury Statement

Pursuant to Water Code section 13267(b)(1), the State Water Board requires you to include the following perjury statement, signed by a duly authorized representative, in all reports submitted pursuant to this Order:

"I, Eileen Sobeck, certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, and the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant civil penalties for submitting false information."

July 9, 2020

Date



EILEEN SOBECK, Executive Director

ATTACHMENTS:

Attachment 1 – Conceptual Site Model for Per and Polyfluoroalkyl Substances at POTWs

Attachment 2 – List of Facilities

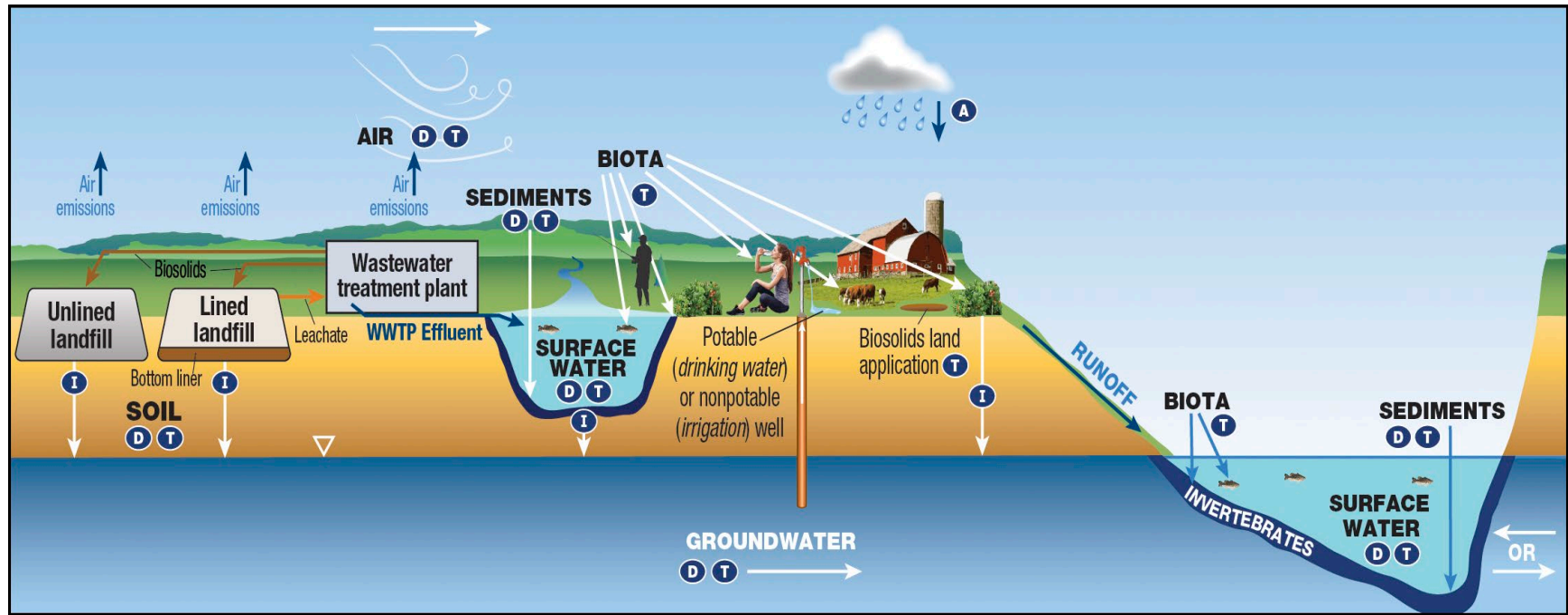
Attachment 3 - Technical Sampling and Reporting Requirements

Attachment 4 – Fact Sheet – Requirements for Submitting Reports under Section 13267 and 13383 of the Water Code

ATTACHMENT 1

Conceptual Site Model for Per and Polyfluorakyl Substances at POTWs

WATER CODE SECTION 13267/13383 ORDER FOR THE DETERMINATION OF THE PRESENCE OF PER- AND POLYFLUOROALKYL SUBSTANCES



KEY A Atmospheric Deposition D Diffusion/Dispersion/Advection I Infiltration T Transformation of precursors (abiotic/biotic)

From Interstate Technical Regulatory Council, Per-and Polyfluoroalkyl Substances, March 2020

ATTACHMENT 2 - LIST OF FACILITIES
 WATER CODE SECTION 13267/13383 ORDER FOR THE
 DETERMINATION OF THE PRESENCE OF PER-AND POLYFLUOROALKYL SUBSTANCES AT PUBLICLY OWNED TREATMENT WORKS (POTWs)

Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
255703	1	North Coast	Santa Rosa Laguna Subregional WRF	Santa Rosa City Dept of Public Works	4300 Llano Road	Santa Rosa	95407	Sonoma	378138	1B830990SON	NPD100051903	21.34
229922	1	North Coast	Healdsburg City WWTP	Healdsburg City	340 Foreman Lane	Healdsburg	95448	Sonoma	399916	1B820460SON	NPD100051474	1.4
240093	1	North Coast	McKinleyville WWTP	McKinleyville CSD	675 Hiller Road	McKinleyville	95521	Humboldt	402457	1B820840HUM	NPD100051511	1.61
225055	1	North Coast	Fort Bragg City WWTP	Fort Bragg City	281 Jere Melo Street	Fort Bragg	95437	Mendocino	430202	1B840830MEN	NPD100051533	1
268960	1	North Coast	Ukiah City WWTP	Ukiah City	300 Treatment Plant Road	Ukiah	95482	Mendocino	413425	1B840290MEN	NPD100051538	3.01
272790	1	North Coast	Windsor Town WWTP	Windsor Water District	8400 Windsor Road	Windsor	95492	Sonoma	382410	1B820370SON	NPD100051545	2.25
216106	1	North Coast	Crescent City WWTP	Crescent City	210 Battery Street	Crescent City	95531	Del Norte	404228	1A840060ODN	NPD100051548	1.86
206164	1	North Coast	Arcata City WWTF	Arcata City	600 South G Street	Arcata	95521	Humboldt	321411	1B821140HUM	NPD100051550	2.3
272646	1	North Coast	Willits City WWTP	Willits City	300 North Lenore Street	Willits	95490	Mendocino	400116	1B800780MEN	NPD100051569	1.3
214888	1	North Coast	Cloverdale City WWTP	Cloverdale City	700 Asti Road	Cloverdale	95425	Sonoma	425653	1B840320SON	NPD100051574	1
225089	1	North Coast	Fortuna City WWTP	Fortuna City	180 Dinsmore	Fortuna	95540	Humboldt	401784	1B831350HUM	WDR100028457	1.5
223010	1	North Coast	Eureka City Elk River WWTP	Eureka City	4301 Hilfiker Lane	Eureka	95501	Humboldt	405560	1B821510HUM	WDR100028634	5.24
274538	1	North Coast	Yreka City WWTP	Yreka City	856 North Main Street	Yreka	96897	Siskiyou	132393	1A840730SIS	WDR100036290	1.4
212858	3	Central Coast	Cambria Community Services District WWTP	Cambria Community Services District	1316 Tamsom Dr, Ste 201	Cambria	93428	San Luis Obispo	131132	3 400102001	WDR100029268	1.5
248519	3	Central Coast	Pismo Beach WWTP	Pismo Beach City	550 Frady Ln	Pismo Beach	93449	San Luis Obispo	403753	3 400106001	NPD100051481	1.9
213281	3	Central Coast	Carmel Area WWTP	Carmel Area Wastewater District	3945 Rio Road	Carmel	93922	Monterey	396646	3 270101001	NPD100051489	3
237315	3	Central Coast	Lompoc Regional WRP	Lompoc City	West 1801 Central Avenue	Lompoc	93436	Santa Barbara	383021	3 420105001	NPD100051494	5
241740	3	Central Coast	Monterey One Water Regional WWTP	Monterey One Water	14811 Del Monte Boulevard	Marina	93933	Monterey	429636	3 270118002	NPD100051504	29.6
257887	3	Central Coast	South San Luis Obispo SD WWTP	South San Luis Obispo CSD	1600 Aloha Place	Oceano	93445	San Luis Obispo	430003	3 400111001	NPD100051517	3.3
213332	3	Central Coast	Carpinteria SD WWTP	Carpinteria SD	5351 Sixth Street	Carpinteria	93013	Santa Barbara	418040	3 420101001	NPD100051525	2
241479	3	Central Coast	Morro Bay/Cayucos WWTP	Morro Bay SD	160 Atascadero Road	Morro Bay	93442	San Luis Obispo	418033	3 400103001	NPD100051541	2.36
256011	3	Central Coast	Scotts Valley WWTP	Scotts Valley City	700 Lundy Lane	Scotts Valley	95066	Santa Cruz	389665	3 440103001	NPD100051555	1.5
241288	3	Central Coast	Montecito SD WWTP	Montecito Sanitary District	1042 Monte Cristo Lane	Santa Barbara	93108	Santa Barbara	388741	3 420107001	NPD100051564	1.5

ATTACHMENT 2 - LIST OF FACILITIES
 WATER CODE SECTION 13267/13383 ORDER FOR THE
 DETERMINATION OF THE PRESENCE OF PER-AND POLYFLUOROALKYL SUBSTANCES AT PUBLICLY OWNED TREATMENT WORKS (POTWs)

Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
247750	3	Central Coast	Paso Robles WWTP	City of El Paso de Robles	3400 Sulphur Springs Rd	Paso Robles	93446	San Luis Obispo	379360	3 400105001	NPD100051576	4.9
255380	3	Central Coast	San Luis Obispo WWTP	San Luis Obispo City	35 Prado Road	San Luis Obispo	93401	San Luis Obispo	399576	3 400107001	NPD100051582	5.1
227568	3	Central Coast	Goleta SD WWTP	Goleta SD	1 Moffett Place	Goleta	93117	Santa Barbara	418037	3 420102001	NPD100051597	7.64
271872	3	Central Coast	Watsonville WWTP	Watsonville City	401 Panabaker Lane	Watsonville	95077	Santa Cruz	396491	3 440104001	NPD100051609	12
222443	3	Central Coast	El Estero Water Resource Center NPDES	Santa Barbara City PWD	520 East Yanonali Street	Santa Barbara	93103	Santa Barbara	374330	3 420108001	NPD100051624	11
255632	3	Central Coast	Santa Cruz WWTP	Santa Cruz City	110 California Street	Santa Cruz	95060	Santa Cruz	418035	3 440102001	NPD100051630	17
206653	3	Central Coast	Atascadero WWTP	Atascadero City	8005 Gabarda	Atascadero	93422	San Luis Obispo	142083	3 400100001	WDR100026749	2.39
255678	3	Central Coast	City of Santa Maria WWTP	City of Santa Maria	601 Black Road	Santa Maria	93458	Santa Barbara	373327	3 420109001	WDR100029526	9.5
235021	3	Central Coast	King City Domestic WWTF	King City	212 South Vanderhurst Ave	Salinas	93930	Monterey	144671	3 270106001	WDR100030085	1.2
236124	3	Central Coast	Laguna County Sanitation District WWRF	Laguna Sanitation	620 West Foster Rd	Santa Maria	93455	Santa Barbara	383007	3 420104001	WDR100030531	3.7
227893	3	Central Coast	City of Greenfield WWTP	Greenfield City	599 El Camino Real	Greenfield	93960	Monterey	131446	3 270105001	WDR100031387	1
230555	3	Central Coast	Hollister Domestic WWTP	Hollister City	2690 San Juan Road	Hollister	95023	San Benito	359247	3 350100001	WDR100031912	4.5
227602	3	Central Coast	City of Gonzales WWTP	Gonzales City	P.O. Box 647, 147 Fourth Street	Gonzales	93926	Monterey	302168	3 270104001	WDR100032021	1.3
731257	3	Central Coast	Pajaro Valley WMA and City of Watsonville WRF	Pajaro Valley Water Management Agency	401 Panabaker Lane	Watsonville	95076	Santa Cruz	359226	3 441208240	WDR100032411	7.7
256483	3	Central Coast	Soledad Sewage Treatment Plant	Soledad City	34520 Morisoli Rd	Soledad	93960	Monterey	349587	3 270113001	WDR100034559	5.5
257687	3	Central Coast	Solvang WWTP	Solvang City	1644 Oak Street	Solvang	93463	Santa Barbara	336192	3 420110001	WDR100034624	1.5
256039	3	Central Coast	SCRWA WWTP	South County Regional WW Authority	900 Southside Dr	Gilroy	95020	Santa Clara	418038	3 430100001	WDR100034880	7.5
222442	3	Central Coast	El Estero Reclamation Facility	Santa Barbara City PWD	402 East Mason St	Santa Barbara	93101	Santa Barbara	147037	3 420108005	WDR100035708	1.6
822816	3	Central Coast	Los Osos Water Recycling Facility	San Luis Obispo CSA #9 Los Osos WTP	2300 Los Osos Valley Road	Los Osos	93402	San Luis Obispo	379559	3 400910371	WDR100039574	1.2
650554	4	Los Angeles	Santa Paula WRF	Santa Paula City	920 Corporation Street	Santa Paula	93060	Ventura	403136	4A560108002	WDR100000849	4.2
231693	4	Los Angeles	Hill Canyon WWTP	Thousand Oaks City	9600 Santa Rosa Road	Camarillo	93012	Ventura	395353	4A560112001	NPD100051993	14

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Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
271054	4	Los Angeles	Ventura WRF	Ventura City	1400 Spinnaker Drive	Ventura	93002	Ventura	387812	4A560107001	WDR100000656	14
267130	4	Los Angeles	Terminal Island Water Reclamation Plant	Los Angeles City Bureau of Sanitation	445 Ferry Street	San Pedro	90731	Los Angeles	399400	4B190106005	NPD100051952	30
246616	4	Los Angeles	Ojai Valley WWTP	Ojai Valley Sanitary District	6363 North Ventura Avenue	Ventura	93001	Ventura	424638	4A560104001	NPD100051520	3
208276	4	Los Angeles	Avalon WWTF	Avalon City	123 Pebbly Beach Road	Avalon	90704	Los Angeles	424707	4B190100001	NPD100051640	1.2
234156	4	Los Angeles	Joint Water Pollution Control Plant	County Sanitation Districts of Los Angeles County	24501 South Figueroa Street	Carson	90745	Los Angeles	416544	4B190107013	NPD100051648	400
212135	4	Los Angeles	Burbank WRP	Burbank City DPW	740 North Lake Street	Burbank	91502	Los Angeles	403428	4B190101001	WDR100000132	12.5
216832	4	Los Angeles	Camrosa Water Reclamation Facility	Camrosa Water District	1900 South Lewis Road	Camarillo	93012	Ventura	400018	4A560106003	WDR100000191	1.5
246946	4	Los Angeles	Oxnard Wastewater Treatment Plant	Oxnard City Wastewater Division	6001 Perkins Rd	Oxnard	93033	Ventura	369637	4A560105001	WDR100000408	31.7
261253	4	Los Angeles	Simi Valley WQCP	Simi Valley City	600 West Los Angeles Avenue	Simi Valley	93065	Ventura	133824	4A560110001	WDR100000869	12.5
266940	4	Los Angeles	Tapia WRF	Las Virgenes MWD	731 Malibu Canyon Road	Calabasas	91302	Los Angeles	135049	4B190104001	WDR100001039	12
260156	4	Los Angeles	San Jose Creek Water Reclamation Plant	County Sanitation Districts of Los Angeles County	1965 South Workman Mill Road	Whittier	90601	Los Angeles	133828	4B190107020	WDR100001083	100
260494	4	Los Angeles	Saugus Water Reclamation Plant	Santa Clarita Valley SD of Los Angeles Cnty	26200 Springbrook Avenue	Santa Clarita	91350	Los Angeles	133827	4A190107021	WDR100001085	6.5
270849	4	Los Angeles	Valencia WRP	Santa Clarita Valley SD of Los Angeles Cnty	28185 The Old Road	Valencia	91355	Los Angeles	133826	4A190107023	WDR100001103	21.6
267571	4	Los Angeles	Donald C. Tillman WWRP	Los Angeles City Bureau of Sanitation	6100 Woodley Avenue	Van Nuys	91406	Los Angeles	323039, 412169	4B190106004	WDR100001153	80
232063	4	Los Angeles	Hyperion WWTP	Los Angeles City Bureau of Sanitation	12000 Vista del Mar Boulevard	Playa del Rey	90293	Los Angeles	384601	4B190106002	WDR100001158	450
235738	4	Los Angeles	Los Angeles - Glendale WWRP	Los Angeles City Bureau of Sanitation	4600 Colorado Boulevard	Los Angeles	90039	Los Angeles	323041	4B190106001	WDR100001164	20
243377	4	Los Angeles	Moorpark WWTP - WRR	Ventura County Special Districts	9550 Los Angeles Avenue	Moorpark	93021	Ventura	131554	4A560103003	WDR100001453	1.5
225881	4	Los Angeles	Fillmore WWTP and Wastewater Recycling Plant	Fillmore City	250 Central Avenue	Fillmore	93015	Ventura	417130	4A560101001	WDR100001584	1.33
235826	4	Los Angeles	Whittier Narrows Water Reclamation Plant	County Sanitation Districts of Los Angeles County	301 North Rosemead Boulevard	El Monte	91733	Los Angeles	408201	4B190107016	WDR100001741	15

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Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
238562	4	Los Angeles	Long Beach WRP	County Sanitation Districts of Los Angeles County	7400 East Willow Street	Long Beach	90815	Los Angeles	133825	4B190107014	WDR100001744	25
238646	4	Los Angeles	Los Coyotes WRP	County Sanitation Districts of Los Angeles County	16515 Piuma Avenue	Cerritos	90703	Los Angeles	133829	4B190107015	WDR100001745	37.5
250700	4	Los Angeles	Pomona Water Reclamation Plant	County Sanitation Districts of Los Angeles County	295 Humane Way	Pomona	91766	Los Angeles	134831	4B190107019	WDR100001746	15
216719	4	Los Angeles	Camarillo WRP	Camarillo Sanitary District	150 East Howard Road	Camarillo	93012	Ventura	393691	4A560100001	WDR100014340	7.25
273142	5F	Central Valley (Fresno)	Kern Sanitation Authority WWTF	Kern Sanitation Authority	4101 Kimber Ave	Bakersfield	93307	Kern	144791	5D150105001	WDR100030946	7
273143	5F	Central Valley (Fresno)	North of River WWTF	North of River SD #1	28970 7th Standard Road	Shafter	93264	Kern	333653	5C15NC00090	WDR100032991	7.5
214899	5F	Central Valley (Fresno)	Clovis WWTF	Clovis City	9700 East Ashlan Avenue	Clovis	93619	Fresno	429278	5C10NP00012	NPD100051487	2.8
214652	5F	Central Valley (Fresno)	Merced WWTF	Merced City	10260 Gove Road	Merced	95340	Merced	397512	5C240108001	NPD100051529	12
222491	5F	Central Valley (Fresno)	El Portal WWTF	USDI National Park Service Yosemite National Park	5083 Foresta Road, #BLDG 750	El Portal	95318	Mariposa	434880	5C220701002	NPD100051602	1
273166	5F	Central Valley (Fresno)	Cutler-Orosi WWTF	Cutler-Orosi JT Powers WW Authority	40401 Road 120	Cutler	93615	Tulare	420796	5D540132001	NPD100051611	1.5
747519	5F	Central Valley (Fresno)	Atwater Regional WWTF	Atwater City	530 South Bert Crane Road	Atwater	95340	Merced	422026	5B24NP00017	WDR100026784	6
273104	5F	Central Valley (Fresno)	Arvin WWTF	Arvin City	2401 El Camino Real	Arvin	93203	Kern	147823	5D150107001	WDR100026819	1.45
273208	5F	Central Valley (Fresno)	Bakersfield WWTP #2	Bakersfield City	1700 E Planz Road	Bakersfield	93307	Kern	332777	5D150100001	WDR100027078	25
273209	5F	Central Valley (Fresno)	Bakersfield WWTP #3	Bakersfield City	6901 McCutchen Road	Bakersfield	93313	Kern	343591	5D150100002	WDR100027080	16
273160	5F	Central Valley (Fresno)	Avenal WWTF	Avenal City	1 Effluent Wy	Avenal	93204	Kings	142310	5D160101001	WDR100027879	1
273115	5F	Central Valley (Fresno)	Fresno Regional WWTF	Fresno City Department of Public Utilities	5607 W Jensen Ave	Fresno	93706	Fresno	427699	5D100105001	WDR100028344	88
273109	5F	Central Valley (Fresno)	Delano WWTF	Delano City	1107 Lytle Ave	Delano	93215	Kern	375255	5D150102001	WDR100028422	7.2
273112	5F	Central Valley (Fresno)	Exeter WWTF	Exeter City	1906 West Meyers	Exeter	93221	Tulare	131464	5D540103001	WDR100028696	1.07
273110	5F	Central Valley (Fresno)	Dinuba WWTF	Dinuba City	6675 Ave 412	Dinuba	93618	Tulare	145349	5D540101001	WDR100028781	3

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Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
273113	5F	Central Valley (Fresno)	Farmersville WWTF	Farmersville City	909 W Visalia Rd	Farmersville	93223	Tulare	144651	5D540117001	WDR100029004	1.25
273106	5F	Central Valley (Fresno)	Chowchilla WWTF	Chowchilla City	130 S Second Street	Chowchilla	93610	Madera	144724	5C200100001	WDR100029289	2
273108	5F	Central Valley (Fresno)	Corcoran WWTF	Corcoran City	832 Whitley Avenue	Corcoran	93212	Kings	144786	5D160102001	WDR100029670	1.45
233460	5F	Central Valley (Fresno)	Jamestown Sanitary District WWTF	Jamestown SD	17600 Highway 108	Jamestown	95327	Tuolumne	142343	5C550101001	WDR100030064	1.01
273174	5F	Central Valley (Fresno)	Lamont WWTF	Lamont PUD	6525 East Bear Mountain Road	Lamont	93307	Kern	385516	5D150108001	WDR100030159	2
273123	5F	Central Valley (Fresno)	Madera WWTF	Madera City	13048 Rd 21 1/2	Madera	93637	Madera	145289	5C200101001	WDR100030305	7
201068	5F	Central Valley (Fresno)	Madera County #2 - Bass Lake WWTF	Madera County Public Works Department - Special Districts	40601 Rd 274	Bass Lake	93604	Madera	142311	5C200102001	WDR100030311	1
234841	5F	Central Valley (Fresno)	Kerman WWTF	Kerman City	15485 W. Church Ave	Kerman	93630	Fresno	331380	5D100108001	WDR100030774	1.2
273121	5F	Central Valley (Fresno)	Lindsay WWTF	Lindsay City	23611 Road 196	Lindsay	93247	Tulare	145554	5D540105001	WDR100030805	1.24
273122	5F	Central Valley (Fresno)	Los Banos WWTF	Los Banos City	411 Madison Ave	Los Banos	93635	Merced	145424	5C240107001	WDR100030875	4.9
220469	5F	Central Valley (Fresno)	Livingston Domestic WWTF	Livingston City	7160 North Gallo Road	Livingston	95334	Merced	331392	5C240106002	WDR100030927	1.18
273119	5F	Central Valley (Fresno)	Huron WWTF	Huron City	P.O. Box 339, 36311 S Lassen Ave	Huron	93234	Fresno	328068	5D100107001	WDR100031282	1
273116	5F	Central Valley (Fresno)	Gustine WWTF	Gustine City	26501 Carnation Road	Gustine	95322	Merced	145495	5C240103002	WDR100031700	1.4
273118	5F	Central Valley (Fresno)	Hanford WWTF	Hanford City	10555 Houston	Hanford	93230	Kings	148388	5D160103001	WDR100031904	8
273127	5F	Central Valley (Fresno)	Orange Cove WWTF	Orange Cove City	633 Sixth Street	Orange Cove	93646	Fresno	132495	5D100110001	WDR100032590	1
273128	5F	Central Valley (Fresno)	Parlier WWTF	Parlier City	1101 East Parlier Avenue	Parlier	93648	Fresno	145326	5D100118001	WDR100032734	2
273130	5F	Central Valley (Fresno)	Porterville WWTF	Porterville City	555 Prospect	Porterville	93257	Tulare	344805	5D540107001	WDR100032998	8
273125	5F	Central Valley (Fresno)	McFarland WWTF	McFarland City	401 W. Kern Ave	Mcfarland	93250	Kern	330608	5D150109001	WDR100033647	1.55
273126	5F	Central Valley (Fresno)	Mendota WWTF	Mendota City	643 Quince Street	Mendota	93640	Fresno	330730	5D100109001	WDR100033840	1.28
214665	5F	Central Valley (Fresno)	Taft WWTF	Taft City	1120 E Ash Street	Taft	93268	Kern	351981	5C15NC00095	WDR100034221	1.5

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Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
817457	5F	Central Valley (Fresno)	Tesoro Viejo Wastewater Treatment Plant	Tesoro Viejo Master Mutual Water Company	2042 Second Street	Madera	93636	Madera	402537	5B20NC00105	WDR100034356	1
273133	5F	Central Valley (Fresno)	Sanger WWTF	Sanger City	1700 7th Street	Sanger	93657	Fresno	394866	5D100115001	WDR100035646	2.9
273187	5F	Central Valley (Fresno)	Selma-Kingsburg-Fowler CSD WWTF	Selma-Kings-Fowler CSD	11301 East Conejo Ave	Kingsburg	93631	Fresno	131438	5D100104001	WDR100035855	8
273131	5F	Central Valley (Fresno)	Reedley WWTF	Reedley City	1701 West Huntsman	Reedley	93654	Fresno	333271	5C10NC00167	WDR100036052	5
273140	5F	Central Valley (Fresno)	Woodlake WWTF	Woodlake City	811 South Valencia Boulevard	Woodlake	93286	Tulare	371066	5D540114001	WDR100036550	1.38
273196	5F	Central Valley (Fresno)	Wasco WWTF	Wasco City	746 8th Street	Wasco	93280	Kern	131603	5D150117001	WDR100036562	1.95
273138	5F	Central Valley (Fresno)	Visalia WWTF	Visalia City	7579 Ave 288	Visalia	93277	Tulare	409518	5D540113001	WDR100036941	18
273137	5F	Central Valley (Fresno)	Tulare WWTF	Tulare City	1875 South West Street	Tulare	93274	Tulare	367947	5D540110001	WDR100037264	16
257763	5F	Central Valley (Fresno)	Sonora Regional WWTF	Tuolumne Utilities District	1400 Southgate	Sonora	95370	Tuolumne	141783	5C550106004	WDR100037396	2.6
273180	5F	Central Valley (Fresno)	Malaga CWD WWTF	Malaga CWD	3601 S Maple Ave	Fresno	93725	Fresno	387532	5D100124001	WDR100047360	1.2
246203	5R	Central Valley (Redding)	Orland WWTP	Orland City	6917 Co Rd 200	Orland	95963	Glenn	350817	5A110100001	NPD100051994	2.1
214802	5R	Central Valley (Redding)	Clear Creek WWTP	Redding City	2220 Metz Road	Anderson	96007	Shasta	412195	5A450103001	NPD100051480	8.8
246251	5R	Central Valley (Redding)	Sewerage Commission Oroville Region WWTP	Sewerage Commission Oroville Region	2880 South 5th Avenue	Oroville	95965	Butte	397468	5A040106001	NPD100051498	6.5
215750	5R	Central Valley (Redding)	City of Corning WWTP	Corning City	25010 Gardiner Ferry Road	Corning	96021	Tehama	399898	5A520100001	NPD100051506	1.4
252119	5R	Central Valley (Redding)	Red Bluff WW Reclamation Plant	Red Bluff City	700 Messer Drive	Red Bluff	96080	Tehama	421692	5A520101001	NPD100051519	2.5
256627	5R	Central Valley (Redding)	Shasta Lake WWTF	Shasta Lake City	3700 Tibbits Road	Shasta Lake	96019	Shasta	395785	5A450105001	NPD100051534	1.3
271805	5R	Central Valley (Redding)	Chico Water Pollution Control Plant	Chico City	4827 Chico River Road	Chico	95927	Butte	397469	5A040102001	NPD100051547	12
258676	5R	Central Valley (Redding)	Stillwater WWTF	Redding City	6475 Airport Road	Anderson	96007	Shasta	422002	5A450103004	NPD100051563	3.4
205741	5R	Central Valley (Redding)	Anderson WPCP	Anderson City	3701 Rupert Road	Anderson	96007	Shasta	429568	5A450100001	NPD100051592	2
272704	5R	Central Valley (Redding)	Willows Wastewater Treatment Plant	Willows City	1600 South Tehama	Willows	95988	Glenn	410961	5A110101001	NPD100051605	1.2

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846487	5R	Central Valley (Redding)	American Valley WWTP	American Valley CSD	900 Spanish Creek Road	Quincy	95971	Plumas	407661	5A320103001	NPD100051644	1.6
254981	5S	Central Valley (Sacramento)	Sacramento Regional WWTP	Sacramento Regional CSD	8521 Laguna Station Road	Elk Grove	95758	Sacramento	405960	5A340108002	NPD100051477	181
215236	5S	Central Valley (Sacramento)	Sac City Combined WW Collection/TRT Sys	Sacramento City	1395 35th Avenue	Sacramento	95822	Sacramento	400866	5A340114001	NPD100051478	48.18
219223	5S	Central Valley (Sacramento)	City of Davis WWTP	Davis City	45400 County Road 28H	Davis	95776	Yolo	428211	5A570100001	NPD100051486	7.5
214647	5S	Central Valley (Sacramento)	Live Oak City WWTP	Live Oak City	3450 Treatment Road	Live Oak	95953	Sutter	407656	5A510100001	NPD100051495	1.4
220315	5S	Central Valley (Sacramento)	Discovery Bay WWTP	Town of Discovery Bay CSD	1800 Willow Lake Road	Discovery Bay	94514	Contra Costa	396976	5B070105003	NPD100051501	2.1
268926	5S	Central Valley (Sacramento)	UC Davis Main WWTP	UC Davis	1140 Old Davis Road	Davis	95620	Solano	399193	5A570800001	NPD100051502	3.6
241146	5S	Central Valley (Sacramento)	City of Modesto WQCF	Modesto City	1221 Sutter Avenue	Modesto	95351	Stanislaus	413899	5C500102001	NPD100051510	14.9
206733	5S	Central Valley (Sacramento)	Auburn WWTP	Auburn City	10441 Ophir Road	Auburn	95603	Placer	407662	5A31NP00042	NPD100051528	1.67
266439	5S	Central Valley (Sacramento)	Northwest WWTF	Rio Vista City	3000 Airport Road	Rio Vista	94571	Solano	404089	5A480108001	NPD100051536	1
229595	5S	Central Valley (Sacramento)	Hangtown Creek WRF	Placerville City	2300 Coolwater Creek Road	Placerville	95667	El Dorado	395004	5A090100001	NPD100051540	2.3
258739	5S	Central Valley (Sacramento)	Stockton Regional WW Control Facility	Stockton City	2500 Navy Drive	Stockton	95206	San Joaquin	396967	5B390107001	NPD100051560	55
227818	5S	Central Valley (Sacramento)	Grass Valley City WWTP	Grass Valley City	556 C Freeman Lane	Grass Valley	95949	Nevada	405024	5A290100001	NPD100051580	2.78
266737	5S	Central Valley (Sacramento)	Turlock Regional Water Quality Control Facility	Turlock City	901 South Walnut Road	Turlock	95380	Stanislaus	400734	5C500108001	NPD100051583	20
248706	5S	Central Valley (Sacramento)	Pleasant Grove WWTP	Roseville City	5051 Westpark Drive	Roseville	95747	Placer	432817	5A310106007	NPD100051587	12
245949	5S	Central Valley (Sacramento)	Olivehurst WWTP	Olivehurst PUD	3908 Mary Avenue	Olivehurst	95961	Yuba	405016	5A580102001	NPD100051589	3
210322	5S	Central Valley (Sacramento)	Brentwood WWTP	Brentwood City	2251 Elkins Way	Brentwood	94513	Contra Costa	430031	5B070101001	NPD100051591	5
274556	5S	Central Valley (Sacramento)	Yuba City WWTF	Yuba City	302 Burns Drive	Yuba City	95991	Sutter	428768	5A510101001	NPD100051606	10.5
222057	5S	Central Valley (Sacramento)	Easterly WWTP	Vacaville City DPW	6040 Vaca Station Road	Elmira	95687	Solano	433231	5A480105002	NPD100051608	15
219398	5S	Central Valley (Sacramento)	Deer Creek WWTP	El Dorado Irrigation District	1565 Deer Creek Road	Cameron Park	95682	El Dorado	433255	5B090102001	NPD100051610	3.6
237060	5S	Central Valley (Sacramento)	Linda County Water District WWTP	Linda Cnty Water District	909 Myrna Avenue	Marysville	95901	Yuba	415997	5A580100002	NPD100051617	5

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222434	5S	Central Valley (Sacramento)	El Dorado Hills WWTP	El Dorado Irrigation District	4625 Latrobe Road	El Dorado Hills	95762	El Dorado	425238	5B090102005	NPD100051618	4
255180	5S	Central Valley (Sacramento)	San Andreas SD WWTP	San Andreas SD	675 Gold Oak Road	San Andreas	95249	Calaveras	425799	5B050103001	NPD100051626	1.5
222916	5S	Central Valley (Sacramento)	Escalon Treatment Plant	Escalon City	25100 West River Road	Escalon	95320	San Joaquin	140412	5B390101001	WDR100028561	3.4
220396	5S	Central Valley (Sacramento)	Dixon WWTF	Dixon City PWD	6915 Pedrick Road	Dixon	95620	Solano	394601	5A480101001	WDR100028790	1.92
214812	5S	Central Valley (Sacramento)	Clearlake Oaks Co WTR Dis WWTP	Clearlake Oaks Cnty Water Dist	13705 Jensen Road	Clearlake Oaks	95423	Lake	147062	5A170100002	WDR100029656	2.1
213947	5S	Central Valley (Sacramento)	Ceres WWTP	Ceres City	4200 Morgan	Ceres	95307	Stanislaus	141185	5C500100001	WDR100029962	1.8
271781	5S	Central Valley (Sacramento)	City of Lathrop Consolidated Treatment Facility	Lathrop City	18800 Christopher Way	Lathrop	95330	San Joaquin	395597	5B391076001	WDR100030293	1.55
257927	5S	Central Valley (Sacramento)	Southeast Regional WW System	Lake Cnty	2485 Old Hwy 53	Clearlake	95422	Lake	146234	5A170102002	WDR100030715	6.1
238365	5S	Central Valley (Sacramento)	Lincoln City WWTF	Lincoln City	1245 Fiddymont Road	Lincoln	95648	Placer	428207	5A31NP00011	WDR100030795	8.4
272444	5S	Central Valley (Sacramento)	White Slough Water Pollution Control Facility	Lodi City	12751 North Thornton Road	Lodi	95242	San Joaquin	333528, 428201	5B390103002	WDR100030994	8.5
230812	5S	Central Valley (Sacramento)	Hughson WWTF	Hughson City	6700 Leedom Road	Hughson	95326	Stanislaus	383599	5C500101002	WDR100031107	1.8
226690	5S	Central Valley (Sacramento)	Galt WWTP & Reclamation Facility	Galt City	10059 Twin Cities Road	Galt	95632	Sacramento	404159	5B340101001	WDR100031184	3
232656	5S	Central Valley (Sacramento)	Ironhouse WWTF	Ironhouse Sanitary District	450 Walnut Meadows Drive	Oakley	94561	Contra Costa	428157	5B07NP00013	WDR100031539	4.3
245602	5S	Central Valley (Sacramento)	Oakdale WWTF	Oakdale City	9700 Liberini	Oakdale	95361	Stanislaus	385669	5C500104001	WDR100032130	2.45
247782	5S	Central Valley (Sacramento)	City of Patterson WQCF	Patterson City	14901 Poplar Avenue	Patterson	95363	Stanislaus	425768	5B50NC00002	WDR100032803	2.25
244250	5S	Central Valley (Sacramento)	City of Newman Wastewater Treatment Facility	Newman City	2600 Hill Ferry Road	Newman	95360	Stanislaus	420963	5C500103001	WDR100033379	1.69
239729	5S	Central Valley (Sacramento)	Marysville WWTP	Marysville City	526 C Street	Marysville	95901	Yuba	148426	5A580101001	WDR100033389	1.7
266223	5S	Central Valley (Sacramento)	Tracy WWTP	Tracy City	3900 Holly Drive	Tracy	95304	San Joaquin	416413	5B390108001	WDR100033942	10.8
252782	5S	Central Valley (Sacramento)	Ripon Industrial & Domestic TP	Ripon City	259 N. Wilma Ave	Ripon	95366	San Joaquin	140988	5B390105001	WDR100035427	2.34
255081	5S	Central Valley (Sacramento)	Salida WWTP	Salida Sanitary District	6200 Pirrone Road	Salida	95368	Stanislaus	142003	5C500107001	WDR100035503	2.29
252871	5S	Central Valley (Sacramento)	Riverbank WWTP	Riverbank City	23865 South Santa Fe Road	Riverbank	95367	San Joaquin	141726	5C500106002	WDR100035552	7.5

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220768	5S	Central Valley (Sacramento)	Dry Creek WWTP	Roseville City	1800 Booth Road	Roseville	95747	Placer	426201	5A310106001	WDR100035995	18
271836	5S	Central Valley (Sacramento)	Waterford WWTP	Waterford City	335 South Western Avenue	Waterford	95386	Stanislaus	140995	5C500113001	WDR100036083	1
272960	5S	Central Valley (Sacramento)	Woodland Water Pollution Control Facility	Woodland City	42929 County Road 24	Woodland	95776	Yolo	398643	5A570105001	WDR100039486	10.4
239343	5S	Central Valley (Sacramento)	City of Manteca WW Quality Control Facility	Manteca City	2450 West Yosemite Avenue	Manteca	95337	San Joaquin	400860, 432653	5B390104001	WDR100045342	9.87
241598	5S	Central Valley (Sacramento)	Mountain House WWTP	Mountain House CSD	17103 West Bethany Road	Mountain House	95391	San Joaquin	416414	5B391078003	WDR100046414	3
204475	6	Lahontan	Adelanto WWTP	Adelanto Public Utility Authority	19101 Jonathan Street P.O. Box 771	Adelanto	92301	San Bernardino	392758	6B369805001	WDR100026851	4
209662	6	Lahontan	Bishop Sewage Treatment Plant	Bishop City	377 W. Line Street	Bishop	93514	Inyo	148110	6B140101001	WDR100027094	1.6
259230	6	Lahontan	STPUD Wastewater Treatment Plant	South Tahoe PUD	1275 Meadow Crest Drive	South Lake Tahoe	96150	El Dorado	132539, 375578	6A021008003	WDR100034185	7.7
262840	6	Lahontan	Martis Valley Water Reclamation Plant	Tahoe-Truckee Sanitation Agency	13720 Butterfield Drive	Truckee	96161	Nevada	131270	6A290011000	WDR100034937	9.6
761913	6	Lahontan	VVWRA Sub-Regional Plant-Apple Valley	Victor Valley Wastewater Reclamation Authority	21012 Otoe Road	Apple Valley	92307	San Bernardino	377321	6B360907006	WDR100036875	1
761903	6	Lahontan	VVWRA- Sub-Regional Plant-Hesperia	Victor Valley Wastewater Reclamation Authority	14269 Mojave St	Hesperia	92345	San Bernardino	377320	6B360907005	WDR100036876	1
270419	6	Lahontan	Victor Valley Wastewater Reclamation Authority WTP	Victor Valley Wastewater Reclamation Authority	20111 Shay Road	Victorville	92394	San Bernardino	400390	6B360109001	WDR100036878	18
747480	6	Lahontan	SCLA Central WWTP-Victorville Water Dist	Victorville City	14343 Civic Center Drive	Victorville	92392	San Bernardino	394630	6B360911001	WDR100036880	2.5
236378	6	Lahontan	Lancaster Water Reclamation Plant	Los Angeles County Sanitation District 14	1865 West Avenue D	Lancaster	93534	Los Angeles	132044	6B190107017	WDR100030189	18
247448	6	Lahontan	Palmdale Water Reclamation Plant	Los Angeles County Sanitation District 20	39300 30th Street E and Avenue P	Palmdale	93550	Los Angeles	382094	6B190107069	WDR100030237	15
239283	6	Lahontan	Mammoth CWD STP	Mammoth Water District	1315 Meridian Blvd	Mammoth Lakes	93546	Mono	145892, 434236	6B260103001	WDR100033952	2.2
208769	6	Lahontan	Barstow WTF Mojave River Bed	Barstow City	2200 E Riverside Drive	Barstow	92311	San Bernardino	427492	6B360101001	WDR100027318	4.5
252695	6	Lahontan	Ridgecrest	Ridgecrest City	Pole Line Road and N. Knox Road	China Lake	93555	Kern	140415	6B150116001	WDR100035359	3.6

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236181	6	Lahontan	Lake Arrowhead CSD WTFS	Lake Arrowhead Community Services District	P.O. Box 700	Lake Arrowhead	92352	San Bernardino	367835	6B360107001	WDR100030590	4
253293	6	Lahontan	Rosamond WTF (Ponds)	Rosamond CSD	875 Patterson Road	Rosamond	93560	Kern	425543	6B150112001	WDR100035936	1.27
230011	6	Lahontan	Helendale Silverlakes STP	Helendale CSD	Wild Road and Helendale Road	Helendale	92342	San Bernardino	403017	6B361111001	WDR100031398	1.2
212648	6	Lahontan	California City WTF	City of California City	10835 Nelson Dr.	California City	93595	Kern	148046	6B150118001	WDR100029631	1.5
234123	6	Lahontan	June Lake PUD STP	June Lake PUD	45125 Highway 395	June Lake	93529	Mono	146152	6B260101002	WDR100030395	1
259689	6	Lahontan	Susanville CSD	Susanville Consol SD	476-200 Paul Bunyan Road	Susanville	96130	Lassen	350221	6A181554001	NPD100051561	2
214933	7	Colorado River	Coachella SD WWTP	Coachella SD	87075 Avenue 54	Coachella	92236	Riverside	400532	7A330104012	WDR100029782	2.4
232297	7	Colorado River	Imperial City WWTP	Imperial City	701 East 14th Street	Imperial	92251	Imperial	402991	7A130106011	NPD100051493	1.4
210272	7	Colorado River	Brawley City WWTP	Brawley City	5015 Best Road	Brawley	92227	Imperial	399799	7A130100011	NPD100051507	6
270096	7	Colorado River	Valley SD WWTP	Valley Sanitary District	45500 Van Buren Street	Indio	92201	Riverside	401332	7A330122021	NPD100051522	8.5
222407	7	Colorado River	El Centro City WWTP	El Centro City	2255 La Brucherie Road	El Centro	92243	Imperial	396224, 429474	7A130103011	NPD100051524	8
216446	7	Colorado River	Coachella Valley WD WWTP	Coachella Valley WD	63-002 Filmore Street	Thermal	92274	Riverside	413411	7A330105091	NPD100051575	7
212739	7	Colorado River	Calipatria City WWTP	Calipatria City	106 Lindsey Road	Calipatria	92233	Imperial	402048	7A130102041	NPD100051642	1.7
208668	7	Colorado River	City of Banning WWTP	Banning City	2242 East Charles Street	Banning	92220	Riverside	407229	7A330100015	WDR100027202	3.6
209847	7	Colorado River	Blythe Regional WW Reclamation Facilities	Blythe City	15901 South Broadway	Blythe	92225	Riverside	407226	7B330102012	WDR100027223	2.4
208930	7	Colorado River	BB Reg WWA-Lucerne Vly	Big Bear Area Regional WW Agency	122 Palomino Drive	Big Bear City	92314	San Bernardino	407233	7A360100011	WDR100027897	3.2
247435	7	Colorado River	Palm Springs WWTF	Palm Springs City	4375 Mesquite Avenue	Palm Springs	92264	Riverside	391803	7A330114012	WDR100032535	16.5
204870	7	Colorado River	Alan Horton WWTP	Mission Springs Water District	14601 Verbena	Desert Hot Springs	92240	Riverside	395089	7A330109012	WDR100033271	1
247419	7	Colorado River	Palm Desert WRP #10	Coachella Valley WD	43-000 Cook Street	Palm Springs	92211	Riverside	420073	7A330105012	WDR100029854	18
216445	7	Colorado River	CVWD Improv Dist #58	Coachella Valley WD	85-995 Avenue 52 P.O. Box 1058	Coachella	92236	Riverside	382776	7A330105071	WDR100029790	5
212589	7	Colorado River Basin	City of Calexico WWTP	Calexico City	298 East Road	Calexico	92231	Imperial	427929	7A130101011	NPD100051615	4.3

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244080	7	Colorado River Basin	Needles WWTP	Needles City	516 Broadway	Needles	92363	San Bernardino	400298	7B360110014	WDR100033504	1.2
259156	8	Santa Ana	Michelson WWRF	Irvine Ranch Water District	3512 Michelson Drive	Irvine	92612	Orange	402182	8 302006002	NPD100051948	33.5
259209	8	Santa Ana	Perris Valley RWRF	Eastern Municipal Water District	1301 Case Road	Perris	92570	Riverside	354386	8 332783001	WDR100028677	30
259193	8	Santa Ana	San Jacinto Valley RWRF	Eastern Municipal Water District	770 North Sanderson	San Jacinto	92582	Riverside	354386	8 332783001	WDR100028733	14.9
758392	8	Santa Ana	OCSD Plant 1	Orange CSD	10844 Ellis Ave	Fountain Valley	92708	Orange	386791	8 300110002	NPD100052063	332
259158	8	Santa Ana	OCSD Plant 2	Orange CSD	22212 Brookhurst St	Huntington Beach	92646	Orange	386791	8 300110002	NPD100051862	332
259150	8	Santa Ana	Riverside City WWRF	Riverside City	5950 Acorn Street	Riverside	92504	Riverside	376054	8 330117003	NPD100051476	46
259178	8	Santa Ana	Colton/San Bernardino STP, RIX	Colton/San Bernardino RTT&WRA	1990 Agua Mansa Road	Colton	92324	San Bernardino	392658	8 362375001	NPD100051496	40
259220	8	Santa Ana	Margaret H Chandler WWRF	San Bernardino City Municipal Water Dept	399 Chandler Place	San Bernardino	92408	San Bernardino	418662	8 360114003	NPD100051499	4.5
259171	8	Santa Ana	Corona WWRF #1	Corona City DWP	2205 Railroad Street	Corona	92880	Riverside	388613	8 330108001	NPD100051505	11.5
259205	8	Santa Ana	WRCRWA Regional WWRF	Western Riverside County Regional Wastewater Authority	14634 River Rd	Corona	92880	Riverside	396787	8 332353001	NPD100051521	14
259184	8	Santa Ana	IEUA Carbon Canyon WWRF	Inland Empire Utilities Agency	14950 Telephone Avenue	Chino	91708	San Bernardino	394393	8 362918001	NPD100051553	85
259161	8	Santa Ana	Henry N. Wochholz WWRF	Yucaipa Valley Water District	880 W County Line Ln	Calimesa	92320	San Bernardino	380760	8 362222001	NPD100051607	8
259214	8	Santa Ana	EVMWD Regional WWRF	Elsinore Valley Municipal Water Dist	14980 Strickland Road	Lake Elsinore	92531	Riverside	371955	8 330112001	NPD100051619	8
259216	8	Santa Ana	Temescal Valley WD WWRF	Temescal Valley Water District	22646 Temescal Canyon Road	Corona	92883	Riverside	388621	8 332253001	NPD100051628	1.58
259149	8	Santa Ana	Rialto WWRF	Rialto City	501 East Santa Ana Avenue	Bloomington	92316	San Bernardino	381374	8 360112001	NPD100051632	11.7
259170	8	Santa Ana	Beaumont WWTP No. 1	Beaumont City	715 West 4th Street	Beaumont	92301	Riverside	387658	8 330101001	NPD100051636	4
259181	8	Santa Ana	Big Bear WWRF	Big Bear Area Regional WW Agency	122 Palomino Drive	Big Bear	92314	San Bernardino	297017	8 360108001	WDR100027900	3.2
271777	8	Santa Ana	El Toro Water Dist WWRF	El Toro Water District	23542 Moulton Parkway	Laguna Hills	92653	Orange	402417	8 303652001	WDR100028257	6
259210	8	Santa Ana	EVMWD Railroad Canyon WWRF	Elsinore Valley Municipal Water Dist	29182 Railroad Canyon Road	Lake Elsinore	92532	Riverside	140802	8 332122003	WDR100028327	1.3

ATTACHMENT 2 - LIST OF FACILITIES
 WATER CODE SECTION 13267/13383 ORDER FOR THE
 DETERMINATION OF THE PRESENCE OF PER-AND POLYFLUOROALKYL SUBSTANCES AT PUBLICLY OWNED TREATMENT WORKS (POTWs)

Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
259203	8	Santa Ana	Moreno Valley RWRf	Eastern Municipal Water District	17140 Kitching Street	Moreno Valley	92551	Riverside	354386	8 332783001	WDR100028673	20.8
259173	8	Santa Ana	Corona WWRF #2	Corona City DWP	650 Harrison Street	Corona	92879	Riverside	374041	8 332181001	WDR100029679	3
643085	8	Santa Ana	Lytle Creek North WWTP	San Bernardino Cnty Special Districts	18100 Institution Road	San Bernardino	92321	San Bernardino	334494	8 362899001	WDR100035823	1.75
259148	8	Santa Ana	Redlands WWRF	Redlands City	1950 Nevada Street	Redlands	92373	San Bernardino	144066	8 360111001	WDR100035978	12
259160	8	Santa Ana	Running Springs WWTP	Running Springs Water Dist	3400 Sewer Plant Road	Running Springs	92382	San Bernardino	138550	8 360113001	WDR100036054	1
259174	8	Santa Ana	Corona WWRF #3	Corona City DWP	3997 Temescal Canyon Road	Corona	92883	Riverside	395382	8 332476001	NPD100051484	1
259165	8	Santa Ana	IEUA Regional Plant No. 1	Inland Empire Utilities Agency	2450 Philadelphia Street	Ontario	91761	San Bernardino	394393	8 362918001	NPD100052088	44
742794	8	Santa Ana	IEUA Regional Plant No. 4	Inland Empire Utilities Agency	12811 Sixth Street	Rancho Cucamonga	91729	San Bernardino	394393	8 362918001	NPD100052335	14
259169	8	Santa Ana	IEUA Regional Plant No. 5	Inland Empire Utilities Agency	6068 Kimball Avenue	Chino	91710	San Bernardino	394393	8 362918001	NPD100052089	15
257520	9	San Diego	SMWD Oso Creek WRP	SOCWA-Recycled Water Use	27204 La Paz Rd	Mission Viejo	92692	Orange	142903	9 000000541	WDR100035188	6
262995	9	San Diego	TCWD Goren WTP	SOCWA-Recycled Water Use	Live Oak Canyon Road	Trabuco Canyon	92679	Orange	142903	9 000000541	NPD100051995	6
262996	9	San Diego	TCWD Robinson Ranch WRF	SOCWA-Recycled Water Use	21397 Heritage Rd	Trabuco Canyon	92679	Orange	142903	9 000000541	WDR100035245	6
229726	9	San Diego	HARRF DISCH to San Elijo Ocean Outfall	Escondido City	1521 Hale Avenue	Escondido	92029	San Diego	420777	9 000000031	WDR100028566	18
236019	9	San Diego	La Salina WWTP, Oceanside Ocean Outfall	Oceanside City	1330 South Tait Street	Oceanside	92054	San Diego	377272	9 000000146	NPD100052059	22.6
255392	9	San Diego	San Luis Rey Water Reclamation Facility	Oceanside City	3950 North River Road	Oceanside	92058	San Diego	377272	9 000000146	WDR100032206	22.6
237396	9	San Diego	IRWD Los Alisos WRP	SOCWA-Aliso Creek Ocean O/F	15600 Sand Canyon Avenue	Irvine	92618	Orange	384629	9 000000117	NPD100051948	34.37
241053	9	San Diego	SOCWA Regional TP	SOCWA-Aliso Creek Ocean O/F	29201 La Paz Rd	Laguna Niguel	92677	Orange	384629	9 000000117	WDR100035244	34.37
236649	9	San Diego	Latham WWP	SOCWA-San Juan Creek Ocean O/F	34152 Del Obispo	Dana Point	92629	Orange	384618	9 000000175	NPD100051861	38.78
257518	9	San Diego	SMWD-Chiquita WRP	SOCWA-San Juan Creek Ocean O/F	28793 Ortega Highway	San Juan Capistrano	92675	Orange	384618	9 000000175	WDR100035190	38.78
269989	9	San Diego	Vallecitos WD Meadowlark WRP	Encina Wastewater Authority	7941 Corintia Street	Carlsbad	92009	San Diego	425154	9 000000030	NPD100052061	48
263145	9	San Diego	Temecula Valley RWRf	Eastern Municipal Water District	42565 Avenida Alvarado	Temecula	92590	Riverside	354386	8 332783001	WDR100028741	22.4

ATTACHMENT 2 - LIST OF FACILITIES
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 DETERMINATION OF THE PRESENCE OF PER-AND POLYFLUOROALKYL SUBSTANCES AT PUBLICLY OWNED TREATMENT WORKS (POTWs)

Facility ID	Region #	Regional Board	Facility Name	Agency Name	Address	City	Zip	County	Reg Measure ID	WDID	GeoTracker Global ID	Design Flow MGD
257821	9	San Diego	South Bay International WTP	IBWC-US & Mexico Section	2995 Clearwater Way	San Diego	92154	San Diego	397052	9 000000732	NPD100051492	25
248796	9	San Diego	Point Loma WWTP & Ocean Outfall	San Diego City Metropolitan Wastewater Dept (Public Utilities)	1902 Gatchell Road	San Diego	92106	San Diego	414988	9 000000275	NPD100051514	240
224137	9	San Diego	Fallbrook Water Reclamation Plant	Fallbrook Public Utility District	1425 South Alturas Street	Fallbrook	92028	San Diego	401760	9 000000115	WDR100028880	2.7
222758	9	San Diego	Encina WRCPF	Encina Wastewater Authority	6200 Avenida Encinas	Carlsbad	92009	San Diego	425154	9 000000030	NPD100052058	7
213270	9	San Diego	Carlsbad WRF	Carlsbad MWD	6200 Avenida Encinas	Carlsbad	92009	San Diego	408361, 425154	9 000000929	WDR100029522	48
202611	9	San Diego	4-S Ranch WRF	Olivenhain Municipal Water District	16595 Dove Canyon Road	San Diego	92127	San Diego	401754	9 000000371	WDR100032324	1.6
247351	9	San Diego	Ray Stoyer Water Recycling Facility	Padre Dam Municipal Water District	12001 North Fanita Parkway	Santee	92071	San Diego	142902	9 000000542	WDR100032406	2
251548	9	San Diego	Ralph W Chapman WRF	Otay MWD	11901 Singer Lane	Spring Valley	91978	San Diego	401763	9 000000217	WDR100032712	1.3
255265	9	San Diego	San Elijo Water Reclamation Facility	San Elijo Joint Powers	2695 Manchester Avenue	Encinitas	92007	San Diego	147513	9 000000125	WDR100035075	5.25
241054	9	San Diego	3A Treatment Plant	SOCWA-Recycled Water Use	26801 Camino Capistrano	Laguna Niguel	92677	Orange	142903	9 000000541	WDR100035186	6
257850	9	San Diego	SOCWA Coastal TP	SOCWA-Recycled Water Use	28303 Alicia Pkwy	Laguna Niguel	92677	Orange	402976	9 000000541	WDR100035192	6
255218	9	San Diego	City of San Clemente WRP	SOCWA-San Juan Creek Ocean O/F	380 Avenida Pico	San Clemente	92672	Orange	402929	9 000000175	WDR100035884	38.78
244506	9	San Diego	North City WRP	San Diego City Metropolitan Wastewater Dept (Public Utilities)	4949 Eastgate Mall	San Diego	92121	San Diego	402158	9 000000730	WDR100035946	60
257831	9	San Diego	South Bay WRP	San Diego City Metropolitan Wastewater Dept (Public Utilities)	2411 Dairy Mart Road	San Diego	92154	San Diego	148190	9 000000900	WDR100035948	15
255679	9	San Diego	Santa Maria WWTP	Ramona MWD	260 Sawday Street	Ramona	92065	San Diego	404699	9 000000077	WDR100037620	1.35

ATTACHMENT 3 TECHNICAL SAMPLING AND REPORTING REQUIREMENTS

WATER CODE SECTION 13267/13383 ORDER FOR THE DETERMINATION OF THE PRESENCE OF PER-AND POLYFLUOROALKYL SUBSTANCES AT PUBLICLY OWNED TREATMENT WORKS (POTWs)

Content:

- A. Justification*
- B. Sampling and Analysis Requirements*
- C. Reporting Requirements*

California Water Code Section 13267b (1) requires a written explanation of the need for reports and the evidence that supports requiring the reports. This justification is provided in Section A. The technical requirements for this Order include Sampling and Analysis (Section B) and Reporting (Section C). Section B describes the general sampling and analysis requirements with specifics about the types and frequency of sample collection for the POTW and groundwater monitoring wells. Groundwater monitoring well sampling is only required for those POTWs with an existing groundwater monitoring program approved by the Regional Board. Section C describes the reports required for the submittal of completed sampling and analysis conducted pursuant to Section B, below. Section D requires a questionnaire to be completed for each POTW by the responsible agency. The completed questionnaire provides various information about the processes of the POTW, including wastewater and biosolids – commonly associated with the presence of PFAS at POTWs, based on recent studies across the US and the world.

A. JUSTIFICATION

Studies being conducted across the nation are linking consumer and industrial use of PFAS-containing materials, including disposal of landfill leachate and firefighting foam, to PFAS results in the influent and effluent discharge at POTWs. Two examples are provided below based on a January 2020 POTW study in Vermont and a 2014 study performed in the San Francisco (SF) Bay Area in California.

The State of Vermont's recently published January 2020 results¹ indicate widespread presence of PFAS at their POTWs. Sampling and analysis were performed from 1) landfill leachate at four landfills and 2) POTW influent, effluent, and sludge, and septage at 30 POTWs. Some of the key take-aways from this report are:

¹ 2020. Poly- and Perfluoroalkyl Substances at Wastewater Treatment Facilities and Landfill Leachate – [2019 Summary Report](https://dec.vermont.gov/sites/dec/files/wmp/SolidWaste/Documents/02.03.20_PFAS%20in%20LF%20and%20WWTF%20Final%20Report.pdf). Weston & Sampson. January 30.
(https://dec.vermont.gov/sites/dec/files/wmp/SolidWaste/Documents/02.03.20_PFAS%20in%20LF%20and%20WWTF%20Final%20Report.pdf)

- PFAS are present in all landfill leachate (correlates to data being reported from statewide PFAS Orders sent to California landfills in March 2019)
- PFAS are also present in all POTW influent, effluent, and sludge tested.
- Reductions in PFAS concentrations between influent and effluent samples implies sorption to sludges may be occurring.
- Concentrations of PFAS “replacement” compounds exceed the concentrations of the original compounds of PFOA and PFOS.
- Correlations between leachate and sludges (includes biosolids) were challenged by analytical method limitations and collection of uniform percent solid samples.

In California, wastewater effluent samples were collected from eight POTWs in 2009 and 2014 that discharge into the SF Bay². All samples contained PFAS among the 20 compounds analyzed. The study summarized that PFAS concentrations were about the same in the effluent since the 2009 sampling efforts except for two POTWs where the effluent concentrations were significantly higher since 2009 suggesting recent contributions from PFAS in the POTW’s influent.

B. SAMPLING AND ANALYSIS REQUIREMENTS

1. General Sampling and Analysis Requirements

- a. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge per their existing monitoring and reporting program. All samples shall be taken at the monitoring locations specified below and, unless otherwise specified, before the monitored flow joins or is diluted by any other waste stream, body of water, or substance.
- b. Samples of the influent and effluent from the treatment system shall be a 24-hour composite for each sample. When using a composite sampler, information on the type of tubing used must be provided. Fluoropolymer tubing, parts, valves, and other parts should be avoided. Preferable materials include high-density, polyethylene (HDPE), polypropylene, silicone, stainless steel, nylon, PVC, and acetate. Equipment that contains fluoropolymer parts can be used if those parts are internal to the equipment and does not contact the sample. If a composite sampler is used that has fluoropolymer parts, then an equipment blank sample must be collected for each composite sampler used and analyzed for PFAS to determine the potential contribution by the sampler of fluoropolymers in the sample.
- c. For POTWs that also sample effluent after advanced treatment to meet a Surface Water Source Augmentation Project (SWSAP) (California Code of Regulations Title 22 Sections 60320.300 through 60320.330), the sample location specified in

² 2016. Poly- and perfluoroalkyl substances in wastewater: Significance of unknown precursors, manufacturing shifts, and likely AFFF impacts. Erika F. Houtz, Rebecca Sutton, June-Soo Park, Margaret Sedlak. Water Research, Volume 95, 15 May 2016, Pages 142-149.

this Order can be the same location of the representative sample collected of the recycled municipal wastewater in the SWSAP.

- d. Influent samples shall be taken from locations prior to primary settling, which include but are not limited to the headworks of the inlet to the grit chamber or prior to any biological treatment. Samples shall be collected at such a point and in such a manner to ensure a representative sample of influent containing all wastes accepted by the facility prior to any treatment.
- e. Effluent samples shall be taken following completion of all treatment processes and prior to mixing with the receiving waters. (i.e., surface water, groundwater, or ocean). Samples shall be collected at such a point and in such a manner to ensure a representative sample of the discharge. For POTWs that also sample effluent per Title 22 requirements, the effluent sample mentioned in this Order may be taken at the same location.

If, following completion of treatment, the effluent is placed into storage pond(s) and not discharged into receiving waters, , then the effluent sample shall be collected from the treatment system discharge following completion of treatment and prior to the entering the effluent storage pond(s).

- f. Sample of the reverse osmosis concentrate/retentate shall be collected via grab sample method and must be representative of the volume and nature of the discharge.
- g. Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. All monitoring instruments and devices used by the responsible agency to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary, at least yearly, to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year to ensure continued accuracy of the devices.
- h. Sampling for biosolids after all treatment processes have been completed shall be made either prior to or post biosolids harvesting for dewatering and disposal/reuse. Samples may be collected from biosolids storage ponds, biosolids drying beds, post-processing storage piles or other similar points after processing and prior to disposal/reuse. When reporting the data, the concentrations of PFAS in the sample as provided to the laboratory and the percent moisture shall be reported. Also include the class of biosolids sampled in the report. A representative whole sample aliquot (both fractions) will be collected, analyzed by the laboratory, and reported in nanograms per kilogram.
- i. Sample results from liquid samples shall be reported in units of nanograms per liter (ng/L). Sample results for biosolids shall be reported in units of nanograms per kilogram (ng/kg).

- j. Monitoring results shall be reported at intervals and in a manner specified below in Section C.2 and C.3.
- k. A laboratory providing sample analyses must hold a valid certificate of accreditation from the State of California Environmental Laboratory Accreditation Program (ELAP) for the analytes selected in Table 1 in compliance with Department of Defense (DoD) Table B-15 of Quality Systems Manual (QSM), dated 2017, version 5.1 or later. The laboratory must be capable of achieving the quality control/quality assurance requirements specified in Table B-15 of the DoD QSM, version 5.1 or later. The DoD QSM can be found at: <https://denix.osd.mil/edqw/documents/> as well as on the State Water Board's PFAS informational website: <https://www.waterboards.ca.gov/pfas/background.html/>.

A list of laboratories that are accredited by ELAP can be found on the State Water Board's PFAS webpage: <https://www.waterboards.ca.gov/pfas/>.

Analytical reporting limits for sample matrices can be found on the Water Board's PFAS webpage: <https://www.waterboards.ca.gov/pfas/> (under non-drinking water tab, then Documents folder).

- l. PFAS sample collection protocol shall follow the guidance located at: https://www.waterboards.ca.gov/pfas/docs/march_pfas_sampling_guidelines.pdf.
- m. Collection of biosolid samples shall follow U.S. EPA's Sampling Procedures and Protocols for the National Sewage Sludge Survey located at: https://www.epa.gov/sites/production/files/2015-04/documents/nsss1988_sampling_procedures.pdf

2. Treatment System Sampling Locations and Frequencies

- a. For POTWs with average dry weather design flows of five mgd or greater:
 - i. Sampling shall commence with the Fourth Quarter 2020 sampling period (October-December 2020).
 - ii. Sampling and analysis for PFAS of the POTW influent, effluent, and reverse osmosis concentrate/retentate shall occur quarterly for a one-year period.
 - iii. Biosolids shall be sampled to determine its PFAS and moisture content quarterly for a one-year period.
- b. For POTWs with average dry weather design flows less than five mgd, but greater than or equal to one mgd:
 - i. Sampling shall commence with the Fourth Quarter 2020 sampling period (October-December 2020).

- ii. Sampling and analysis for PFAS of the POTW influent, effluent, and reverse osmosis concentrate/retentate shall occur quarterly for a one-year period.
- iii. Biosolids shall be sampled to determine its PFAS and moisture content once during the first year of this Order.

3. Groundwater Monitoring Well Sampling and Analysis

- a. One-time groundwater monitoring for PFAS is required for POTWs with existing groundwater monitoring and reporting programs under an order (e.g., monitoring and reporting program) issued by the State or Regional Board.
- b. Within **60-days prior to conducting the first groundwater monitoring event**, the responsible agency shall provide to the appropriate Regional Water Board the following information:
 - i. A figure of the groundwater monitoring well network, groundwater flow direction, and indicate of the monitoring wells proposed to be sampled.
 - ii. Rationale for the selection of the groundwater monitoring wells to be used for representative sampling for PFAS. A minimum of three wells in the upper water bearing zone shall be selected.
 - i. After the Regional Board approves the PFAS groundwater monitoring proposal, monitoring shall commence during the next groundwater monitoring period as specified in the POTWs existing groundwater monitoring and reporting program but **no sooner than the Fourth Quarter 2020 sampling period (October-December 2020)**.
 - ii. The PFAS analytes mentioned in Section B.1.j will be analyzed from the samples collected from selected groundwater monitoring wells once within the first year of implementation of this order.
- c. The collection of samples shall comply with the standard operating procedures for sample collection established for the existing groundwater monitoring program (including the field parameters and general chemistry parameters in Table 2 of this Attachment) and supplemented by the PFAS-specific adjustments required under Section B.1.i.

C. REPORTING REQUIREMENTS

1. General Reporting Requirements

- a. All documentation, including but not limited to, the groundwater monitoring proposal, reports (treatment sampling and analysis and/or groundwater analysis)

and analytical reports must be uploaded into GeoTracker via the Electronic Submittal of Information (ESI) Portal, as stipulated by California State law (California Code of Regulations Title 23, Division 3, Chapter 30). The groundwater monitoring proposal and final report must be submitted in a searchable portable document format (pdf) with transmittal letter, text, tables, figures, laboratory analytical data, and appendices (one PDF for the entire report) as well as analytical data in electronic data deliverable (EDD) format.

Instructions on how to log into GeoTracker and upload reports and documents into the ESI portal is available at:

https://www.waterboards.ca.gov/ust/electronic_submittal/index.html. Step by step instructions are provided in the ESI Guide for Responsible Parties under the "Getting Started" section of this webpage.

GeoTracker Help Desk assistance can be found on the ESI homepage (www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal).

Note: The EDD requirement includes all analytical data, sampling location information, monitoring well information (e.g. latitudes, longitudes, elevations, and depth to water, well construction information, site maps, and boring logs).

- b. The report must provide a description of the sampling activities, summary of the analytical results, copy of the chain of custody, and a copy of the laboratory analytical results.
- c. In the monitoring report, the responsible agency must certify that the sampling for PFAS was conducted according to the guidance documents in Section B.1.l and B.1.m. If deviations from the guidance occurred, details on those deviations need to be included in the report.
- d. The responsible agency must acknowledge compliance with the guidance documents listed in Section B.1.l and B.1.m, and if not, provide rationale for any variations in the report.

2. Monitoring Report for the Treatment System Sampling and Groundwater Sampling Analysis Results

- a. Analytical results from the treatment system sampling and groundwater sampling event will be uploaded within **30 days** of receiving laboratory analytical report into GeoTracker's ESI portal.
- b. One monitoring report for the treatment system and groundwater monitoring shall be submitted into GeoTracker's ESI portal no later than **60 days** following the receipt of the last analytical laboratory report.

- c. The monitoring report shall include text describing the sampling locations utilized and a figure of the facility with locations of the influent and effluent samples (include locations of representative sampling points (e.g. sampling points for more than one influent or effluent line)), groundwater monitoring wells, biosolids samples, brine line samples (if applicable), and flow measurement devices (mentioned in Section B.1.d).
- d. The report shall include all reported data (analytical results, flow measurements, groundwater monitoring well measurements (if applicable) in a tabular format.
- e. The report shall include all laboratory analysis sheets, including quality assurance/quality control information for which sample analyses were performed.
- f. The report shall include a description of any variations in sampling from what was provided to the Regional Water Board as part of Section C.3.b.

3. POTW Informational Questionnaire

- a. A link to an Adobe Acrobat-fillable questionnaire will be sent via email to the responsible agency when the Order is issued. The format of the questionnaire and instructions on how to complete the questionnaire is provided in **Section D**.
- b. The questionnaire shall be completed by the responsible agency and submitted **no later than the submittal of the second quarter analytical results** from the treatment system sampling.
- c. The responsible agency shall upload the completed questionnaire and attachments requested in the questionnaire as separate ESI files in GeoTracker using the responsible party's GeoTracker Global ID number (Attachment 2).
- d. Instructions on how to log into GeoTracker is available at: https://www.waterboards.ca.gov/ust/electronic_submittal/index.html. Step by step instructions are provided in the *ESI Guide for Responsible Parties* under the "Getting Started" section of this webpage.

GeoTracker Help Desk assistance can be found on the ESI homepage at: www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal.

- e. The minimum information identified below is included in the questionnaire. The questionnaire spreadsheet will be pre-populated with information since the responsible agency has already submitted the same information to the State Water Board (those items are shown in bracket [] form).
 - i. Waste Discharger Identification (WDID) Number [WDID].
 - ii. GeoTracker Global ID.

- iii. Name of Responsible Agency [AGENCY NAME].
- iv. Address of Responsible Agency.
- v. Name of POTW [FACILITY NAME].
- vi. Address of POTW [FACILITY ADDRESS/PLACE ADDRESS].
- vii. Mailing address of POTW.
- viii. Name and title of POTW Point of Contact.
- ix. POTW Point of Contact phone number.
- x. POTW Point of Contact email address.
- xi. Current average annual flow (mgd).
- xii. Average flow during June-Sept 2019 (mgd).
- xiii. Types of wastewaters (e.g. industrial, domestic) received and estimated percentages of total flow (mgd) based on calendar year 2019.
- xiv. If wastewaters are received from industrial sources, provide a list of industry types contributing flow to the POTW and estimated percentage of flow for each type for the calendar year of 2019. Provide for each industrial type if the flow is continuous, periodic, and/or non-routine.
- xv. Any storage basins (non-percolation) in use? If so, how many, any unlined, how many with leak detections systems, and their frequency of use.
- xvi. Plans to recycle water to Title 22 standards within the next 5 years.
- xvii. Amount of sewage sludge and biosolids (by class type) produced in the calendar year of 2019.
- xviii. Disposal options used for sewage sludge and biosolids and estimate volume percentage for the calendar year of 2019.
- xix. Landfill leachate accepted at the facility and if so, provide the name of landfill, years accepted, and estimated volumes for the past 5 years.
- xx. Reverse osmosis concentrate/retentate produced at the facility and if so, the volume produced in 2019 and annual average produced for the past 5 years.
- xxi. PFAS sampling prior to this Order, PFAS sampling been performed in compliance with an Order/Permit/Monitoring Reporting Program and submitted to a Regional Water Quality Control Board, and PFAS sampling been performed for internal/informal testing by others for research.

Section D. POTW Online Questionnaire and Instructions

1. This questionnaire will need to be filled out on **Adobe Acrobat** Software. This will ensure that your responses are correctly recorded. Please install this software prior to starting the questionnaire.

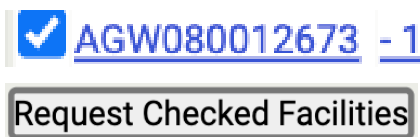
1. A free download of the Adobe Acrobat Reader software is available at the following link from Adobe's official website: <https://acrobat.adobe.com/us/en/acrobat/pdf-reader.html>. You can also fill this form out with Adobe Acrobat Pro DC software.
2. You will receive this questionnaire as an attachment in an email from PFAS@waterboards.ca.gov. Download and save the file locally to your computer and open with Adobe Acrobat software. The questionnaire will also be available in GeoTracker to your GeoTracker Account using your GeoTracker Global ID.
3. Fill out the questionnaire using Adobe Acrobat. Please type your answers into the fillable spaces as provided in the questionnaire and **save** it. You can print this file for your records.
4. **Upload the completed questionnaire and any associated attachments (if necessary) using the following instructions into GeoTracker.**
 1. Go to the GeoTracker ESI login page:
<https://geotracker.waterboards.ca.gov/esi/login.asp>
 - i. If you do not have an account, you can create one by clicking on the "Password Request" link.
 2. If you already have upload access to your facility record, please skip to step 7. If not, please continue to step 3.
 3. Once you are in your account, please go to the "Facility Management" section and click "Request Additional Facilities".



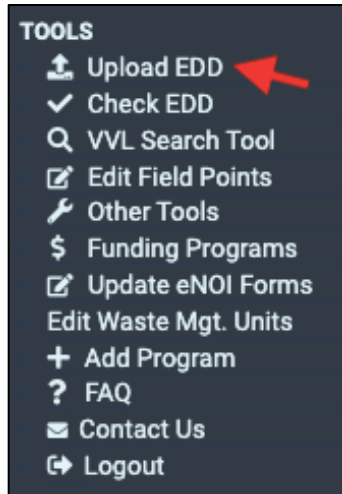
4. In the Global ID box, please type in the Global ID for the site and click the Search button. You can also search by facility name or address, but Global ID tends to be more reliable.

Global ID	Facility Name	Status	Street Name	City	County		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Search"/>	<input type="button" value="Reset"/>

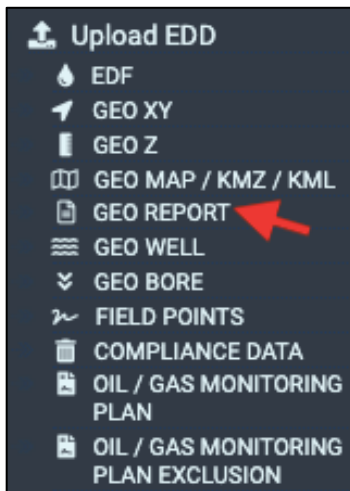
5. Select the box next to the Global ID for the site and click the "Request Checked Facilities" button.



6. Once your request has been approved, you should be able to upload the document.
7. Go to the "Tools" section and click on "Upload EDD".



8. Click on "GEO_REPORT".



9. Locate and click on the name of the facility listed in the middle of the page.

10. Fill out the electronic form and upload the file.

REPORT TITLE
<input type="text"/>
REPORT TYPE
<input type="text" value="v"/>
REPORT DATE - Enter the actual date (m/d/yyyy) of the written report being uploaded
<input type="text" value="6/30/2020"/>
FILE - PDFS ARE LIMITED TO 400MB
<input type="button" value="Choose File"/> No file chosen
Please link your report to a submitted EDF file below. If there is no EDF file associated with this report, please ignore this section.
NO EDFS HAVE BEEN UPLOADED TO THIS FACILITY
<input type="checkbox"/> IS YOUR FILE LESS THAN 400MB IN SIZE?
<input type="button" value="Upload File"/>

i. Note for "Report Title"

1. For the Questionnaire, title the file with the format "[*Name of POTW*]_Questionnaire".

For example, if the name of the facility is California Wastewater Treatment Plant, your file name should be "California Wastewater Treatment Plant_Questionnaire".

2. For the Questionnaire attachments, title the file with the format "[*Name of POTW*]_QuestionnaireAttachment_[*Question #*]

For example, if the name of the facility is California Wastewater Treatment Plant and the attachment is associated with Question #8, your file name should be "California Wastewater Treatment Plant_QuestionnaireAttachment_Question 8".

ii. Note for "Report Type"

1. For uploading the completed Questionnaire, select "POTW Questionnaire", which is located under the "Other" section.
2. For the Attachments to the Questionnaire, select "POTW Questionnaire Attachment" which is located under the "Other" section.

5. If you have any further questions or need assistance, please email PFAS@waterboards.ca.gov.

PER- AND POLY-FLUOROALKYL SUBSTANCES (PFAS) – GENERAL INFORMATION	
POTW-specific State Water Board ID #s	
Waste Discharger Identification (WDID) Number:	
GeoTracker Global ID:	
Responsible Agency Information	
Name of Responsible Agency:	
Address of Responsible Agency:	
City:	
County:	
State:	
Zip:	
POTW Information	
Name of POTW:	
Address of POTW:	
City:	
County:	
State:	
Zip:	
POTW Mailing Address:	
POTW Point of Contact Name:	
POTW POC Title:	
POTW POC Phone Number:	
POTW POC Email Address:	
Annual Average Flow (365-day calendar year)	
1(a). What is the current's average annual flow at the facility? _____ MGD	
1(b). What was the average flow during June-September 2019 at the facility? _____ MGD	

If you need more space, please provide by attachment and upload to GeoTracker. Please refer to instructions at the end of this document for instructions on how to upload this attachment.

2(c). Wastewater Inflow and Volume Percentages Comments

Treated Wastewater Storage Basins

3(a). Does your facility utilize storage basins (non-percolation) for treated wastewater? If yes, how many?

- YES How many? _____
- NO

3(b). If yes to 3(a), how many basins are unlined?

How many? _____

Are there leak detections systems installed?

- YES How many basins? _____
- NO How many basins? _____

3(c). If yes to 3(a), what is the frequency of use?

- Continuous How many basins? _____
- Periodically How many basins? _____
- Non-routine How many basins? _____

3(d). Treated Wastewater Storage Basins Comments

Recycled/Reclaimed Wastewater

4. Are you planning to recycle water to Title 22 standards within the next 5 years?

- Yes
- No
- Other (Please Specify) _____

Sewage Sludge and Biosolids

5(a). What is the amount of sewage sludge and biosolids (by class type) produced in the calendar year of 2019?

Type	Amount Produced in Calendar Year 2019
Sewage Sludge – Any solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a municipal wastewater treatment facility. It includes solids removed or used during primary, secondary, or advanced wastewater treatment processes. It does not include grit or screening material generated during preliminary treatment of domestic sewage at a municipal wastewater treatment facility. Sewage sludge does not include biosolids that meet the criteria in Table 1 of 40 Code of Federal Regulations section 503.13.	_____ dry metric tons
Class A – Biosolids meeting the vector attraction, and meeting pollution concentration limits specified in 40 CFR Part 503 and pathogen reduction standards specified in 40 CFR Part 503.32(a).	_____ dry metric tons
Class A EQ (Exceptional Quality) – Biosolids which meet metals standards, Class A pathogen reduction standards, and vector attraction reduction standards contained in 40 CFR Part 503.13(3), 40 CFR Part 503.32(a), and 40 CFR Part 503.33(b)(1-8), respectively.	_____ dry metric tons
Class B – Biosolids which meet the vector attraction and meeting pollution concentration limits specified in 40 CFR Part 503 and pathogen reduction standards specified in 40 CFR Part 503.32(b).	_____ dry metric tons

- **Vector attraction reduction requirement for Class A, Class A EQ, and Class B:** One of the vector attraction reduction requirements in CFR Part 503.33 (b)(1) through (b)(10) shall be met.

- **Pollution concentration for Class A and Class B:** Biosolids that do not meet pollutant concentration limits in 40 CFR Part 503.13 (Table 3), but meet the ceiling limits in 40 CFR Part 503.13 (Table 1), can only be applied until the amount of metals on the site have accumulated up to the cumulative limits in 40 CFR Part 503.13 (Table 2).

5(b). What are the disposal options for sewage sludge and biosolids that were used at your facility and estimate volume percentage for the calendar year of 2019?

Note: The POTW may not know the final disposition of biosolids if sent to a composting facility for further treatment. It is not necessary to determine the final disposition after it leaves the POTW to complete the table below.

Disposal Options	Sewage Sludge - Estimated Volume Percentage for 2019	Biosolids – Estimated Volume Percentage for 2019
Agricultural land application		
Composting Facilities		
Forest lands		
Incineration		
Landfill Alternative Daily or Final Cover		
Landfill Disposal		
Mine reclamation sites		
Public distribution		
Use on Public lands		
Onsite dedicated land disposal		
Onsite long term storage		
Sent for further treatment (end use not for compost)		
Other (please fill in):		

5(c). Sewage Sludge and Biosolids Comments

Landfill Leachate		
6(a). Has your facility accepted landfill leachate? <input type="checkbox"/> YES <input type="checkbox"/> NO		
6(b). If yes to 6(a)., please use the table below to provide the name of landfill, years accepted, and estimated volumes for the past 5 years.		
Landfill Name	Years Accepted	Estimated Volumes per year (gallons per 365-day period)
1.	_____ to _____	_____ gallons/year
2.	_____ to _____	_____ gallons/year
3.	_____ to _____	_____ gallons/year
4.	_____ to _____	_____ gallons/year
5.	_____ to _____	_____ gallons/year
<i>If you need more space, please provide by attachment and upload to GeoTracker. Please refer to instructions at the end of this document for instructions on how to upload this attachment.</i>		
6(c). Landfill Leachate Comments 		
Reverse Osmosis Concentrate/Retentate		
7(a). Does your facility produce reverse osmosis concentrate/retentate? <input type="checkbox"/> YES <input type="checkbox"/> NO		

8(e). Has your facility been supplied with data or information that you possess concerning PFAS sampling conducted of samples collected for your facility's influent or effluent flow standards?

- YES
- NO

If yes, please provide by attachment and upload to GeoTracker. Please refer to instructions at the end of this document for instructions on how to upload this attachment.

CERTIFICATION

I, _____, certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, and the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant civil penalties for submitting false information.

Contact Person: _____ Title: _____

Email Address: _____ Phone Number: _____

Chief Operator: _____ Title: _____

Email Address: _____ Phone Number: _____

Date: _____

Use this space to provide any further explanations for your questionnaire, if needed:

**TABLE 1
PFAS ANALYTES SUBJECT TO ANALYSIS
AND THEIR RESPECTIVE REPORTING LIMITS**

Chemical Name/ Abbreviation	GeoTracker PARLABEL	Fluorinated Alkane Carbon Chain Length*	Chemical Abstracts Service (CAS) No.	Required Reporting Limit for Liquids: Groundwater and Effluent (ng/L)	Required Reporting Limit for Solid: Soil/ Biosolids (µg/kg)
Perfluoroalkylcarboxylic acids (PFCAs)					
Perfluorobutanoic acid (PFBA)	PFBTA	C4	375-22-4	8.0	2.0
Perfluoropentanoic acid (PFPeA)	PFPA	C5	2706-90-3	5.0	1.0
Perfluorohexanoic acid (PFHxA)	PFHA	C6	307-24-4	5.0	1.0
Perfluoroheptanoic acid (PFHpA)	PFHPA	C7	375-85-9	5.0	1.0
Perfluorooctanoic acid (PFOA)	PFOA	C8	335-67-1	5.0	1.0
Perfluorononanoic acid (PFNA)	PFNA	C9	375-95-1	5.0	1.0
Perfluorodecanoic acid (PFDA)	PFNDCA	C10	335-76-2	5.0	1.0
Perfluoroundecanoic acid (PFUnDA)	PFUNDCA	C11	2058-94-8	5.0	1.0
Perfluorododecanoic acid (PFDoDA)	PFDOA	C12	307-55-1	5.0	1.0
Perfluorotridecanoic acid (PFTrDA)	PFTRIDA	C13	72629-94-8	5.0	1.0
Perfluorotetradecanoic acid (PFTeDA)	PFTEDA	C14	376-06-7	8.0	2.0
Perfluorohexadecanoic acid (PFHxDA)	PFHxDA	C16	67905-19-5	8.0	2.0
Perfluorooctadecanoic acid (PFODA)	PFODA	C18	16517-11-6	8.0	2.0
Perfluorinated sulfonic acids (PFSA)					
Perfluorobutane sulfonic acid (PFBS)	PFBSA	C4	375-73-5	5.0	1.0
Perfluoropentane sulfonic acid (PFPeS)	PFPeS	C5	2706-91-4	5.0	2.0
Perfluorohexane sulfonic acid (PFHxS)	PFHXSA	C6	355-46-4	5.0	1.0
Perfluoroheptane sulfonic acid (PFHpS)	PFHPSA	C7	375-92-8	5.0	1.0
Perfluorooctane sulfonic acid (PFOS)	PFOS	C8	1763-23-1	5.0	1.0
Perfluorononane sulfonic acid (PFNS)	PFNS	C9	474511-07-4	8.0	5.0

Chemical Name/ Abbreviation	GeoTracker PARLABEL	Fluorinated Alkane Carbon Chain Length*	Chemical Abstracts Service (CAS) No.	Required Reporting Limit for Liquids: Groundwater and Effluent (ng/L)	Required Reporting Limit for Solid: Soil/ Biosolids (µg/kg)
Perfluorodecane sulfonic acid (PFDS)	PFDSA	C10	335-77-3	5.0	1.0
Perfluorooctane Sulfonamide and Derivatives (PFOSA, FOSEs, FOSAs, and FOSAAs)					
Perfluorooctanesulfonamide (PFOSA)	PFOSA	C8	754-91-6	8.0	1.0
N-Ethyl perfluorooctane sulfonamide ethanol (EtFOSE)	ETFOSE	C8 Precursor	1691-99-2	8.0	2.0
N-Methyl perfluorooctane sulfonamide ethanol (MeFOSE)	MEFOSE	C8 Precursor	24448-09-7	8.0	2.0
N-Ethyl perfluorooctane sulfonamide (EtFOSA)	ETFOSA	C8 Precursor	4151-50-2	8.0	2.0
N-Methyl perfluorooctane sulfonamide (MeFOSA)	MEFOSA	C8 Precursor	31506-32-8	8.0	2.0
N-Methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	NMEFOSAA	C8 Precursor	2355-31-9	20.0	2.0
N-Ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	NETFOSAA	C8 Precursor	2991-50-6	20.0	2.0
Fluorotelomer sulfonates (FTS)					
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	4:2FTS	C4* Precursor	757124-72-4	20.0	2.0
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	6:2FTS	C6* Precursor	27619-97-2	20.0	2.0
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	8:2FTS	C8* Precursor	39108-34-4	20.0	2.0
10:2 Fluorotelomer sulfonic acid (10:2 FTS)	10:2FTS	C10* Precursor	120226-60-0	8.0	2.0
Fluorotelomer carboxylic acids (FTCA)					
2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	3:3 FTCA	C4* Precursor	356-02-5	8.0	5.0
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	5:3 FTCA	C6* Precursor	914637-49-3	8.0	5.0
2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	7:3 FTCA	C8* Precursor	812-70-4	8.0	5.0

Chemical Name/ Abbreviation	GeoTracker PARLABEL	Fluorinated Alkane Carbon Chain Length*	Chemical Abstracts Service (CAS) No.	Required Reporting Limit for Liquids: Groundwater and Effluent (ng/L)	Required Reporting Limit for Solid: Soil/ Biosolids (µg/kg)
Perfluoroalkyl ether carboxylic acids (PFECA)					
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	HFPO-DA	--	13252-13-6	20.0	5.0
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ADONA	--	919005-14-4	8.0	5.0
Chlorinated Polyfluoroalkyl Ether Sulfonic Acids (CI-PFESAs)					
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9-CI-PF3ONS)	9-CI-PF3ONS	--	756426-58-1	8.0	5.0
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11-CI-PF3OUdS)	11-CI-PF3OUdS	--	763051-92-9	8.0	5.0
Other					
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NFDHA	C5	151772-58-6	8.0	5.0
Perfluoro(2-ethoxyethane) sulfonic acid (PFEESA)	PFEESA	--	113507-82-7	8.0	5.0
Perfluoro-3-methoxypropanoic acid (PFMPA)	PFMPA	C4	377-73-1	8.0	5.0
Perfluoro-4-methoxybutanoic acid (PFMBA)	PFMBA	C5	863090-89-5	8.0	5.0

Optional analytes are shaded gray.

ng/L = nanograms per liter

µg/kg = micrograms per kilogram

* = and shorter carbon chain length terminal degradation products

-- = carbon chain length shorthand naming conventions not currently defined for PFECAs and PFESAs

TABLE 2

Field Parameters and General Chemistry for Groundwater

Parameter	Units
Field Parameters	
Depth to Groundwater	Feet, bgs
Temperature	Degrees C
Electrical Conductivity	µmhos/cm
pH	pH units
Turbidity	NTU
General Chemistry	
Total Dissolved Solids	mg/L

Notes:

bgs – below ground surface

C – Celsius

µmhos/cm – micromhos per centimeter

NTU – nephelometric turbidity units

mg/L – milligrams per Liter

State Water Resources Control Board

ATTACHMENT 4

Fact Sheet – Requirements for Submitting Reports Under Section 13267 and 13383 of the Water Code

What does it mean when the Regional Water Board or the State Water Board (jointly referred to as the Water Boards) require a technical report?

Section 13267ⁱ of the Water Code provides that “...the regional board may require that any person who has discharged, discharges, or who is suspected of having discharged or discharging, or who proposes to discharge waste...that could affect the quality of waters...shall furnish, under penalty of perjury, technical or monitoring program reports which the regional board requires.” Additionally, the state water board may carry out the authority granted to a regional board pursuant to Section 13267 if, after consulting with the regional board, the state board determines that it will not duplicate the efforts of the regional board. Water Code section 13383 provides that the state board or a regional board may establish monitoring and reporting requirements for any person who discharges, or proposes to discharge, to navigable waters, any person who introduces pollutants into a publicly owned treatment works, any person who owns or operates, or proposes to own or operate, a publicly owned treatment works or other treatment works treating domestic sewage, or any person who uses or disposes, or proposes to use or dispose, of sewage sludge.

This requirement for a technical report seems to mean that I am guilty of something, or at least responsible for cleaning something up. What if that is not so?

The requirement for a technical report is a tool the Water Boards use to investigate water quality issues or problems. The information provided can be used by the Regional Water Board to clarify whether a given party has responsibility.

Are there limits to what the Water Boards can ask for?

Yes. Under Section 13267 the information required must relate to an actual or suspected or proposed discharge of waste (including discharges of waste where the initial discharge occurred many years ago), and the burden of compliance must bear a reasonable relationship to the need for the report and the benefits obtained. The Water Boards are required to explain the reasons for its request.

What if I can provide the information, but not by the date specified?

A time extension may be given for good cause. Your request should be promptly submitted in writing, giving reasons.

Are there penalties if I don't comply?

Depending on the situation, the Water Boards can impose a fine of up to \$10,000 per day, and a court can impose fines of up to \$25,000 per day as well as criminal penalties pursuant to Water Code section 13268. A person who submits false information or fails to comply with a requirement to submit a technical report may be found guilty of a misdemeanor. For some reports, submission of false information may be a felony.

Do I have to use a consultant or attorney to comply?

There is no legal requirement for this, but as a practical matter, in most cases the specialized nature of the information required makes use of a consultant and/or attorney is advisable.

If I have more questions, whom do I ask?

Requirements for technical reports include the name, telephone number, and email address of the Regional Water Board staff contact.

ⁱ All code sections referenced herein can be found by going to www.leginfo.legislature.ca.gov.

POTW Questionnaire Form Instructions

1. This questionnaire will need to be filled out on **Adobe Acrobat** Software. This will ensure that your responses are correctly recorded. Please install this software prior to starting the questionnaire.
 - a. A free download of the Adobe Acrobat Reader software is available at the following link from Adobe's official website: <https://acrobat.adobe.com/us/en/acrobat/pdf-reader.html>. You can also fill this form out with Adobe Acrobat Pro DC software.
2. You will receive this questionnaire as an attachment in an email from PFAS@waterboards.ca.gov. Please download and save the file locally to your computer and open with Adobe Acrobat software. The questionnaire will also be available in GeoTracker to your GeoTracker Account using your GeoTracker Global ID.
3. Fill out the questionnaire using Adobe Acrobat. Please type your answers into the fillable spaces as provided in the questionnaire and **save** it. You can print this file for your records.
4. Upload your completed questionnaire and any associated attachments. Please refer to instructions at the end of this document for instructions on how to upload your documents.



PER- AND POLY-FLUOROALKYL SUBSTANCES (PFAS) – GENERAL INFORMATION	
POTW-specific State Water Board ID #s	
Waste Discharger Identification (WDID) Number:	
GeoTracker Global ID:	
Responsible Agency Information	
Name of Responsible Agency:	
Address of Responsible Agency:	
City:	
County:	
State:	
Zip:	
POTW Information	
Name of POTW:	
Address of POTW:	
City:	
County:	
State:	
Zip:	
POTW Mailing Address:	
POTW Point of Contact Name:	
POTW POC Title:	
POTW POC Phone Number:	
POTW POC Email Address:	
Annual Average Flow (365-day calendar year)	
1(a). What is the current's average annual flow at the facility? _____ MGD	
1(b). What was the average flow during June-September 2019 at the facility? _____ MGD	



Types of Wastewater Inflow and Volume Percentages

2(a). Estimate relative contribution for each type of wastewater (e.g. Residential/Commercial, industrial) entering the treatment plant based on calendar year 2019 flows.

_____ % Residential/Commercial _____ % Industrial

2(b). If wastewaters are received from industrial sources, provide the types of industries that are contributing flow and the estimated percentage for the calendar year of 2019 in the following table. If the types of industries are not correlative to the data collected at your facility, please provide the industry types and correlative volume percentages in the blank lines provided.

Industry Types – Influent Flow	Continuous Flow? (Yes/No)	Periodic Flow? (Yes/No)	Non-Routine Influent Flow? (Yes/No)	2019 - Estimated Industrial Total Volume by Percentage (>5% of the total volume)
Airports				
Agricultural				
Automatic Vehicle Washing				
Breweries and Wineries				
Electronic Manufacturing (e.g., electronic components, semiconductors, capacitors, batteries)				
Fabricated Metal Products (e.g. chrome plating, electroplating, plating, polishing, anodizing, and coloring)				
Fire Training Centers				
Food Industry (e.g. processing plants)				
Industrial Laundries				
Landfills				
Leather Tanning and Finishing				
Military				
Oil and Gas Production				
Textiles and Carpet Finishing				
Pulp and Paper Manufacturing				
Other Industries (please fill in):				



Industry Types – Influent Flow (Please fill in)	Continuous Flow? (Yes/No/)	Periodic Flow? (Yes/No)	Non-Routine Influent Flow? (Yes/No)	2019 - Estimated Industrial Total Volume by Percentage (>5% of the total volume)

If you need more space, please provide by attachment and upload to GeoTracker. Please refer to instructions at the end of this document for instructions on how to upload this attachment.

2(c). Wastewater Inflow and Volume Percentages Comments

Treated Wastewater Storage Basins

3(a). Does your facility utilize storage basins (non-percolation) for treated wastewater? If yes, how many?

- YES How many? _____
- NO

3(b). If yes to 3(a), how many basins are unlined?

How many? _____

Are there leak detections systems installed?

- YES How many basins? _____
- NO How many basins? _____

3(c). If yes to 3(a), what is the frequency of use?

- Continuous How many basins? _____
- Periodically How many basins? _____
- Non-routine How many basins? _____

3(d). Treated Wastewater Storage Basins Comments

Recycled/Reclaimed Wastewater

4. Are you planning to recycle water to Title 22 standards within the next 5 years?

- Yes
- No
- Other (Please Specify) _____

Sewage Sludge and Biosolids

5(a). What is the amount of sewage sludge and biosolids (by class type) produced in the calendar year of 2019?

Type	Amount Produced in Calendar Year 2019
Sewage Sludge – Any solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a municipal wastewater treatment facility. It includes solids removed or used during primary, secondary, or advanced wastewater treatment processes. It does not include grit or screening material generated during preliminary treatment of domestic sewage at a municipal wastewater treatment facility. Sewage sludge does not include biosolids that meet the criteria in Table 1 of 40 Code of Federal Regulations section 503.13.	_____ dry metric tons
Class A – Biosolids meeting the vector attraction, and meeting pollution concentration limits specified in 40 CFR Part 503 and pathogen reduction standards specified in 40 CFR Part 503.32(a).	_____ dry metric tons
Class A EQ (Exceptional Quality) – Biosolids which meet metals standards, Class A pathogen reduction standards, and vector attraction reduction standards contained in 40 CFR Part 503.13(3), 40 CFR Part 503.32(a), and 40 CFR Part 503.33(b)(1-8), respectively.	_____ dry metric tons
Class B – Biosolids which meet the vector attraction and meeting pollution concentration limits specified in 40 CFR Part 503 and pathogen reduction standards specified in 40 CFR Part 503.32(b).	_____ dry metric tons

- **Vector attraction reduction requirement for Class A, Class A EQ, and Class B:** One of the vector attraction reduction requirements in CFR Part 503.33 (b)(1) through (b)(10) shall be met.

- **Pollution concentration for Class A and Class B:** Biosolids that do not meet pollutant concentration limits in 40 CFR Part 503.13 (Table 3), but meet the ceiling limits in 40 CFR Part 503.13 (Table 1), can only be applied until the amount of metals on the site have accumulated up to the cumulative limits in 40 CFR Part 503.13 (Table 2).

5(b). What are the disposal options for sewage sludge and biosolids that were used at your facility and estimate volume percentage for the calendar year of 2019?

Note: The POTW may not know the final disposition of biosolids if sent to a composting facility for further treatment. It is not necessary to determine the final disposition after it leaves the POTW to complete the table below.

Disposal Options	Sewage Sludge - Estimated Volume Percentage for 2019	Biosolids – Estimated Volume Percentage for 2019
Agricultural land application		
Composting Facilities		
Forest lands		
Incineration		
Landfill Alternative Daily or Final Cover		
Landfill Disposal		
Mine reclamation sites		
Public distribution		
Use on Public lands		
Onsite dedicated land disposal		
Onsite long term storage		
Sent for further treatment (end use not for compost)		
Other (please fill in):		

5(c). Sewage Sludge and Biosolids Comments

Landfill Leachate

6(a). Has your facility accepted landfill leachate?

YES

NO

6(b). If yes to 6(a)., please use the table below to provide the name of landfill, years accepted, and estimated volumes for the past 5 years.

Landfill Name	Years Accepted	Estimated Volumes per year (gallons per 365-day period)
1.	_____ to _____	_____ gallons/year
2.	_____ to _____	_____ gallons/year
3.	_____ to _____	_____ gallons/year
4.	_____ to _____	_____ gallons/year
5.	_____ to _____	_____ gallons/year

If you need more space, please provide by attachment and upload to GeoTracker. Please refer to instructions at the end of this document for instructions on how to upload this attachment.

6(c). Landfill Leachate Comments

Reverse Osmosis Concentrate/Retentate

7(a). Does your facility produce reverse osmosis concentrate/retentate?

YES

NO

8(e). Has your facility been supplied with data or information that you possess concerning PFAS sampling conducted of samples collected for your facility's influent or effluent flow standards?

- YES
- NO

If yes, please provide by attachment and upload to GeoTracker. Please refer to instructions at the end of this document for instructions on how to upload this attachment.

CERTIFICATION

I, _____, certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision, and the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant civil penalties for submitting false information.

Contact Person: _____ Title: _____

Email Address: _____ Phone Number: _____

Chief Operator: _____ Title: _____

Email Address: _____ Phone Number: _____

Date: _____

Use this space to provide any further explanations for your questionnaire, if needed:

----- End of Questionnaire -----

POTW Questionnaire and Attachments GeoTracker Upload Instructions

Upload the completed questionnaire and any associated attachments (if necessary) using the following instructions.

1. Go to the GeoTracker ESI login page:
<https://geotracker.waterboards.ca.gov/esi/login.asp>
 - i. If you do not have an account, you can create one by clicking on the “Password Request” link.
2. If you already have upload access to your facility record, please skip to step 7. If not, please continue to step 3.
3. Once you are in your account, please go to the “Facility Management” section and click “Request Additional Facilities”.
4. In the Global ID box, please type in the Global ID for the site and click the Search button. You can also search by facility name or address, but Global ID tends to be more reliable.
5. Select the box next to the Global ID for the site and click the “Request Checked Facilities” button.
6. Once your request has been approved, you should be able to upload the document.
7. Go to the “Tools” section and click on “Upload EDD”.
8. Click on “GEO_REPORT”.
9. Locate and click on the name of the facility listed in the middle of the page.
10. Fill out the electronic form and upload the file.
 - i. Note for “Report Title”
 1. For the Questionnaire, please title the file with the format “[Name of POTW]_Questionnaire”.

For example, if the name of the facility is California Wastewater Treatment Plant, your file name should be “California Wastewater Treatment Plant_Questionnaire”.
 2. For the Questionnaire attachments, please title the file with the format “[Name of POTW]_QuestionnaireAttachment_[Question #]”.

For example, if the name of the facility is California Wastewater Treatment Plant and the attachment is associated with Question #8, your file name should be “California Wastewater Treatment Plant_QuestionnaireAttachment_Question 8”.

- ii. Note for “Report Type”
 1. For uploading the completed Questionnaire, select “POTW Questionnaire”, which is located under the “Other” section.
 2. For the Attachments to the Questionnaire, select “POTW Questionnaire Attachment” which is located under the “Other” section.
2. If you have any further questions or need assistance, please email PFAS@waterboards.ca.gov.



July 17, 2020

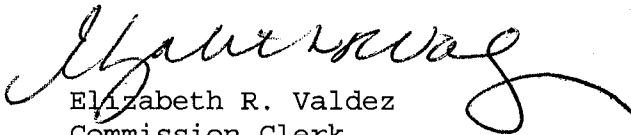
To: Distribution List

RE: LAFCO 2020-10-3,4&5-Confirming Spheres of Influence for Coachella Valley/Eastern County Regions Water and Wastewater Agencies: Chiriaco Summit County Water District, Coachella Valley Water District, Imperial Irrigation District (providing only electricity in Riverside County), Mission Springs Water District, Palo Verde Irrigation District, Valley Sanitary District, County Service Area 51 (Desert Center/Lake Tamarisk), County Service Area 62 (Ripley), and County Service Area 122 (Mesa Verde).

You are hereby notified that the above name proposal was approved by the Riverside Local Agency Formation Commission at a public meeting held on April 23, 2020. A copy of Resolution No. 06-20 confirming the sphere of influence for each district is attached for your records.

Should you have any questions, please feel free to contact our office.

Sincerely,



Elizabeth R. Valdez
Commission Clerk

Distribution List:

Chiriaco Summit County Water District, Heather Garcia, Board Secretary - email
Chiriaco Summit County Water District, Eduardo Guevara, District Manager - email
Coachella Valley Water District, Maricela Cabral, District Clerk - email
Coachella Valley Water District, Jim Barrett, District Manager - email
Imperial Irrigation District, Raquel Najera, Board Secretary - email
Imperial Irrigation District, Enrique Martinez, District Manager - email
Mission Springs Water District, Dori Petee, District Clerk - email
Mission Springs Water District, Ardem Wallum, District Manager - email
Palo Verde Irrigation District, Victor Lujan, District Clerk - email
Palo Verde Irrigation District, Ned Hyduke, District Manager - email
Valley Sanitary District, Holly Gould, District Clerk - email
Valley Sanitary District, Beverli Marshall, District Manager - email
Economic Development Agency, Hazel Spruell, Admin Service Analyst II - email
Clerk of the Board, Kecia Harper - email
Executive Office, Rania Odenbaugh - email
Imperial County LAFCO, Jurg Heuberger, Executive Officer - email

1 RIVERSIDE LOCAL AGENCY FORMATION COMMISSION

2 RESOLUTION NO. 06-20

3 REVIEWING AND CONFIRMING SPHERES OF INFLUENCE FOR COACHELLA
4 VALLEY/EASTERN COUNTY REGIONS WATER AND WASTEWATER AGENCIES:
5 CHIRIACO SUMMIT COUNTY WATER DISTRICT, COACHELLA VALLEY WATER
6 DISTRICT, IMPERIAL IRRIGATION DISTRICT (PROVIDING ONLY
7 ELECTRICITY IN RIVERSIDE COUNTY), MISSION SPRINGS WATER DISTRICT,
8 PALO VERDE IRRIGATION DISTRICT, VALLEY SANITARY DISTRICT, COUNTY
9 SERVICE AREA 51 (DESERT CENTER/LAKE TAMARISK), COUNTY SERVICE
10 AREA 62 (RIPLEY), AND COUNTY SERVICE AREA 122 (MESA VERDE).

11 LAFCO 2020-10-3,4&5
12

13 BE IT RESOLVED AND DETERMINED by the Riverside Local Agency
14 Formation Commission in regular session assembled on April 23, 2020
15 that LAFCO 2020-10-3,4&5-Confirming Spheres of Influence for
16 Coachella Valley/Eastern County Regions Water and Wastewater
17 Agencies: Chiriaco Summit County Water District, Coachella Valley
18 Water District, Imperial Irrigation District (providing only
19 electricity in Riverside County), Mission Springs Water District,
20 Palo Verde Irrigation District, Valley Sanitary District, County
21 Service Area 51 (Desert Center/Lake Tamarisk), County Service Area
22 62 (Ripley), and County Service Area 122 (Mesa Verde) as depicted
23 in Exhibits A-I, attached hereto and made a part hereof, have been
24 reviewed.

25 BE IT FURTHER RESOLVED, DETERMINED AND FOUND THAT:

26 1. The Commission has initiated this review pursuant to
27 Government Code Section 56425.

28 2. Whereas a municipal service review that included the

1 subject agencies was prepared and reviewed by this Commission
2 pursuant to Government Code Section 56430 and determinations made
3 thereon on May 23, 2019.

4 3. The current spheres of influence for each agency as
5 depicted in Exhibits A-I, have been reviewed and it is determined
6 that they are adequate at this time.

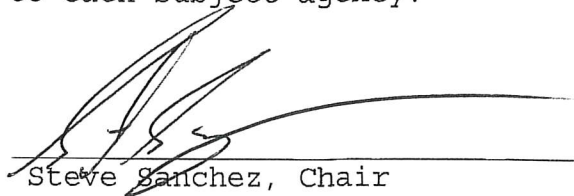
7 NOW, THEREFORE, BE IT RESOLVED, by the Riverside Local Agency
8 Formation Commission, that this Commission shall consider the
9 territory depicted in Exhibits A-I are confirmed.

10 4. The Executive Officer is directed to transmit a certified
11 copy of this resolution to each subject agency.

12 //

13 //

14


Steve Sanchez, Chair

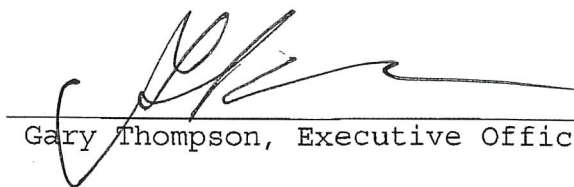
15 //

16 I certify the above resolution was passed and adopted by the
17 Riverside Local Agency Formation Commission on April 23, 2020.

18 //

19 //

20


Gary Thompson, Executive Officer

21 //

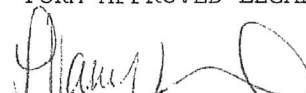
22 //

23

FORM APPROVED LEGAL COUNSEL

24

The foregoing instrument is certified, under penalty of
perjury, to be a true copy of the original on file in this
office.


 4/29/2020
BY: Tiffany North DATE

25

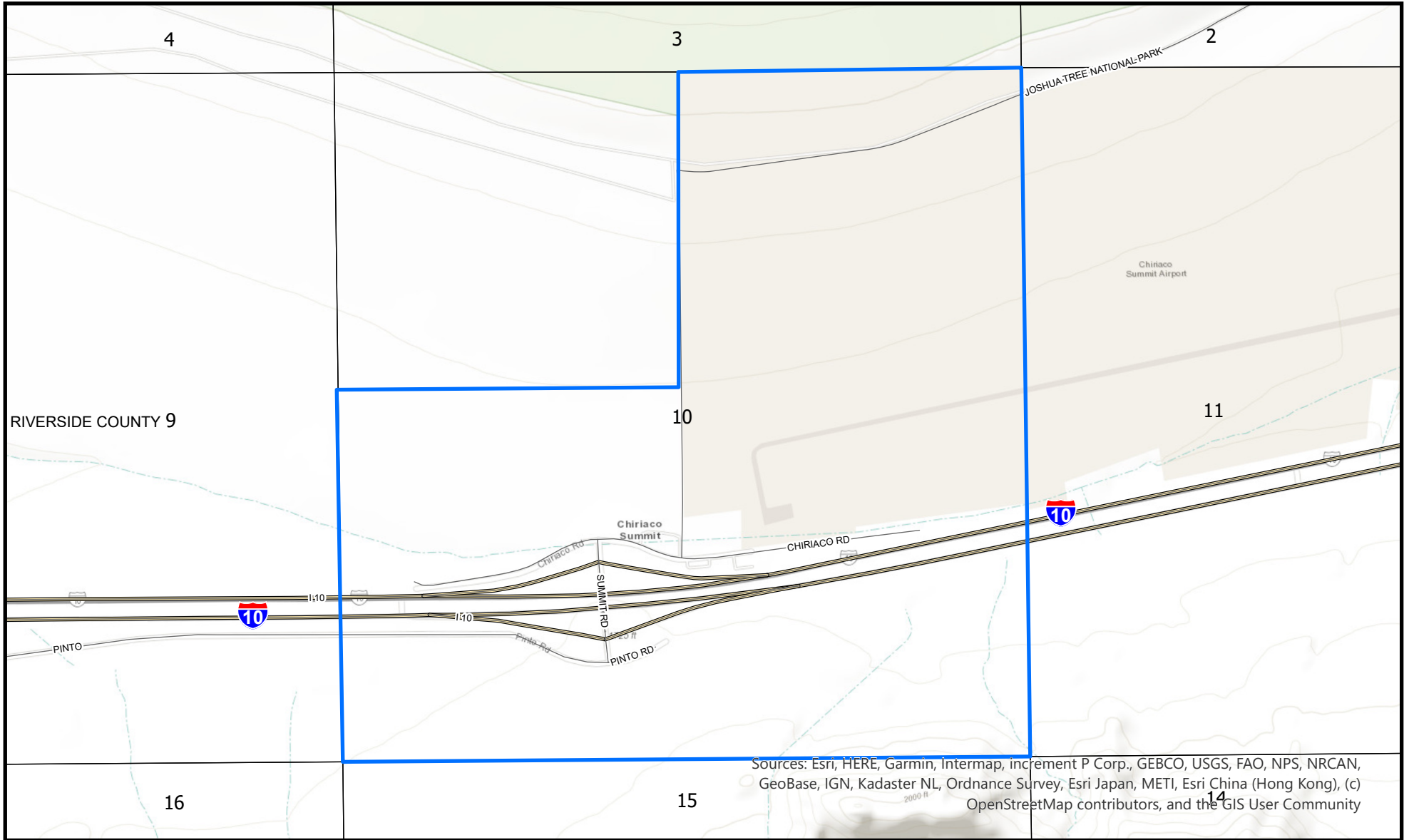
26 //

27 //

28 //


Elizabeth R. Valdez, Commission Clerk
Riverside Local Agency Formation Commission
Executed on July 17, 2020 at
Riverside, California

Chiriaco Summit County Water District and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Data Sources: County of Riverside; LAFCO

0.2 0.1 0 0.2 Miles



Legend

- Chiriaco Summit County Water District Boundary**
- Sections

Exhibit A

Commission Reviewed & Confirmed SOI: April 23, 2020

** SOI is coterminous with District Boundary

Author: Crystal M. Craig

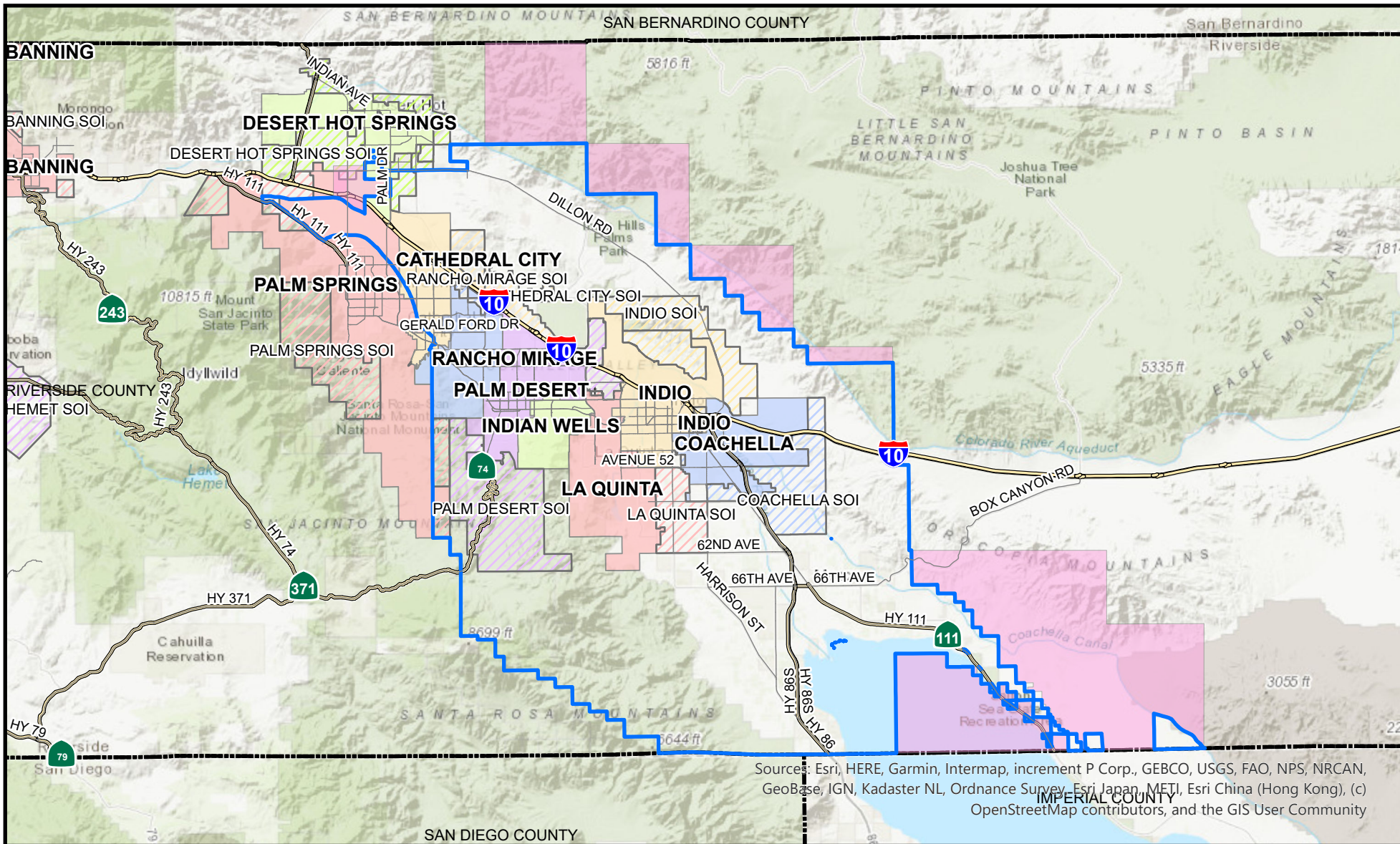
Map Created on 7/1/20

Water provided by District



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

Coachella Valley Water District and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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Data Sources: County of Riverside; Registrar of Voters, LAFCO

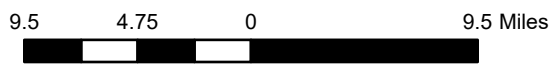


Exhibit B

- Legend**
- Coachella Valley Water District Boundary
 - Coachella Valley Water District Boundary Sphere of Influence (SOI)



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

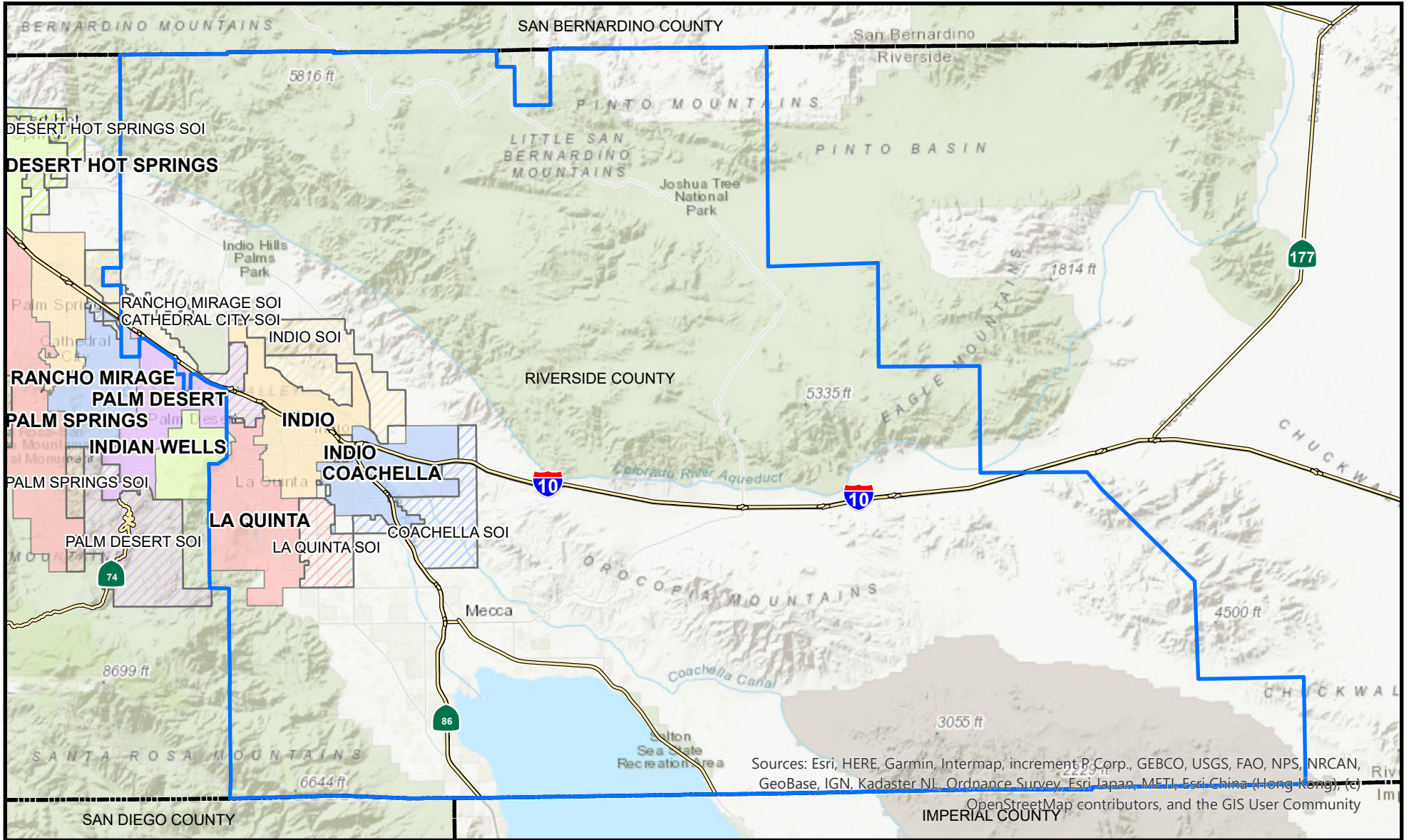
Water & Sewer provided by District

Commission Reviewed & Confirmed SOI: April 23, 2020

Author: Crystal M. Craig

Map Created on 7/1/20

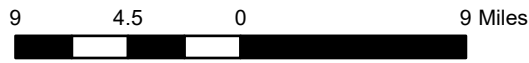
Imperial Irrigation District and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P, Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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Data Sources: County of Riverside; District, LAFCO



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

Electricity only provided by District

Legend

IID Electrical Service Area Only in Riverside County**

** Electric service only provided by District in SOI area. SOI includes IID's electricity service area.

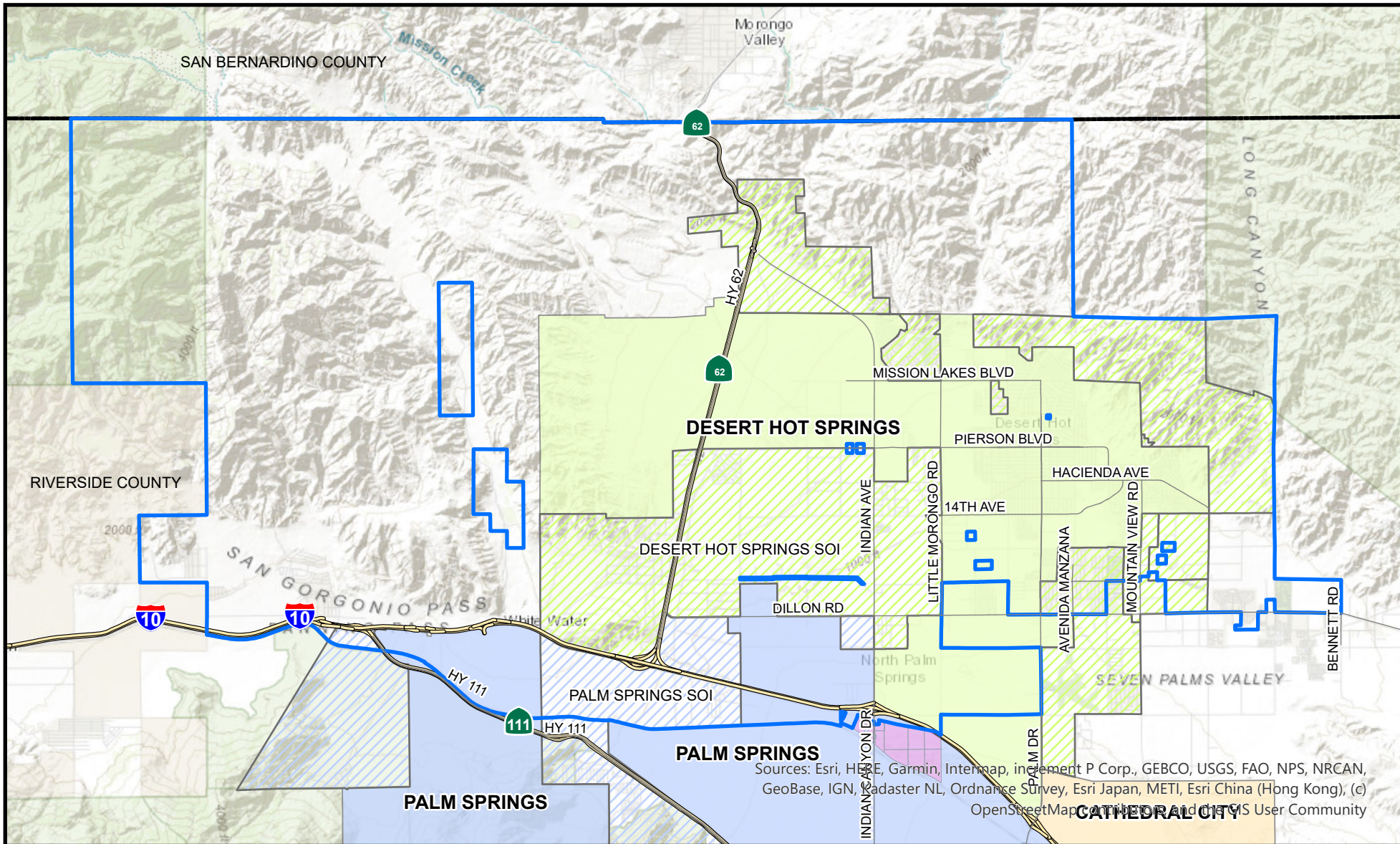
Commission Reviewed & Confirmed SOI: April 23, 2020

Author: Crystal M. Craig

Map Created on 7/1/20

Exhibit C

Mission Springs Water District and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Data Sources: County of Riverside; District, LAFCO

2.5 1.25 0 2.5 Miles



Legend

- Mission Springs Water District Boundary
- Mission Springs Water District Boundary Sphere of Influence (SOI)

Exhibit D



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

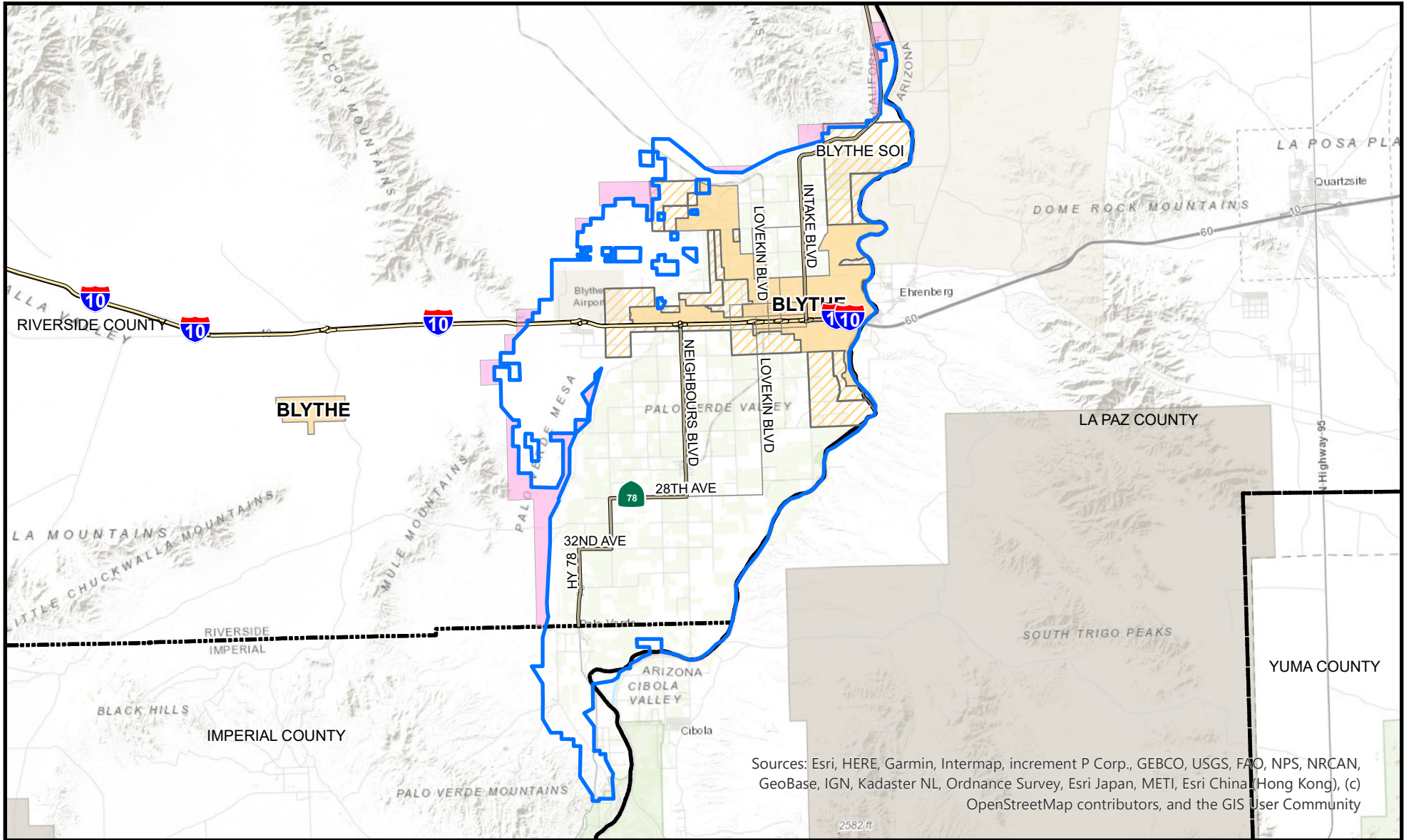
Water & Sewer provided by District

Commission Reviewed & Confirmed SOI: April 23, 2020

Author: Crystal M. Craig

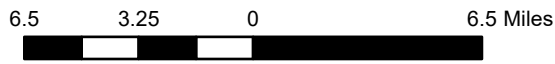
Map Created on 7/1/20

Palo Verde Irrigation District and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Data Sources: County of Riverside; LAFCO



Legend

- ▭ Palo Verde Irrigation District Boundary
- ▭ Palo Verde Irrigation District Boundary Sphere of Influence (SOI)

Exhibit E

Water provided by District

Commission Reviewed & Confirmed SOI: April 23, 2020

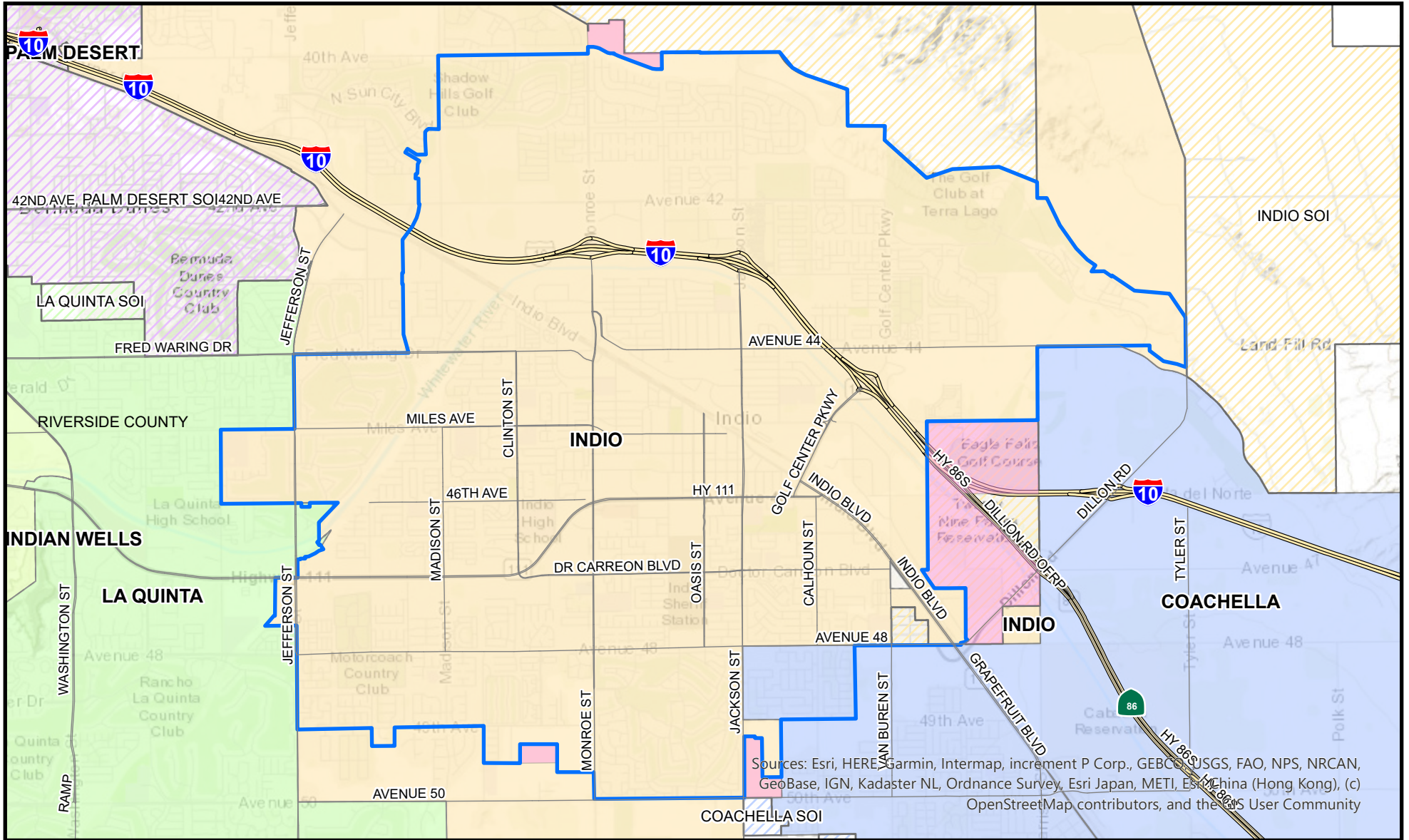
Author: Crystal M. Craig

Map Created on 7/1/20



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

Valley Sanitary District and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Data Sources: County of Riverside; Registrar of Voters, LAFCO

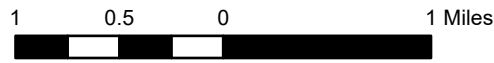


Exhibit F

Legend

- Valley Sanitary District Boundary
- Valley Sanitary District Boundary Sphere of Influence (SOI)

Commission Reviewed & Confirmed SOI: April 23, 2020

Author: Crystal M. Craig

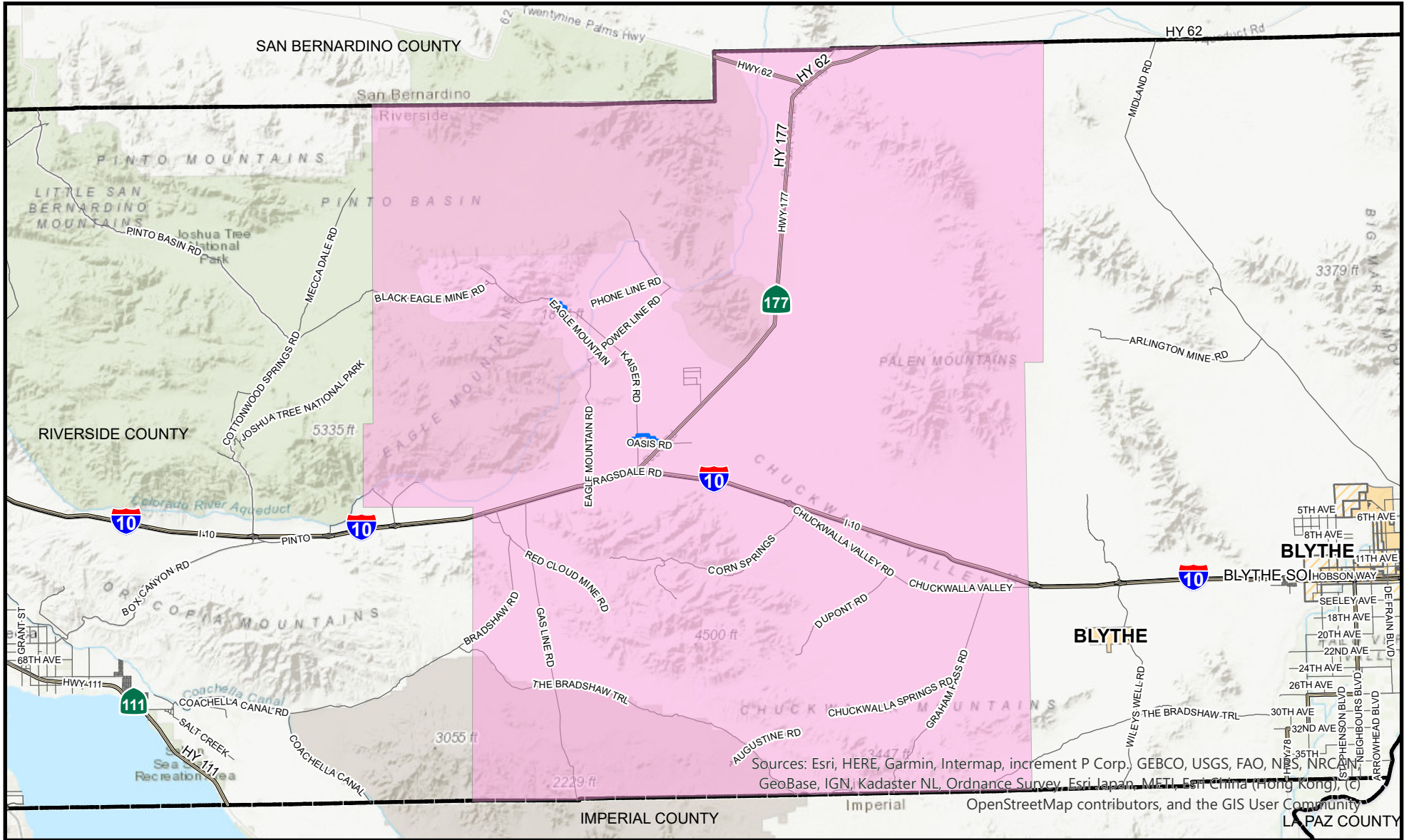
Map Created on 7/1/20

Sewer provided by District



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

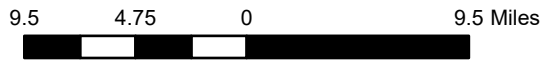
CSA 51 Desert Center/Lake Tamarisk and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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Data Sources: County of Riverside; Registrar of Voters, LAFCO



Legend

- CSA 51 District Boundary
- CSA 51 District Boundary Sphere of Influence (SOI)

Exhibit G

Commission Reviewed & Confirmed SOI: April 23, 2020

Author: Crystal M. Craig

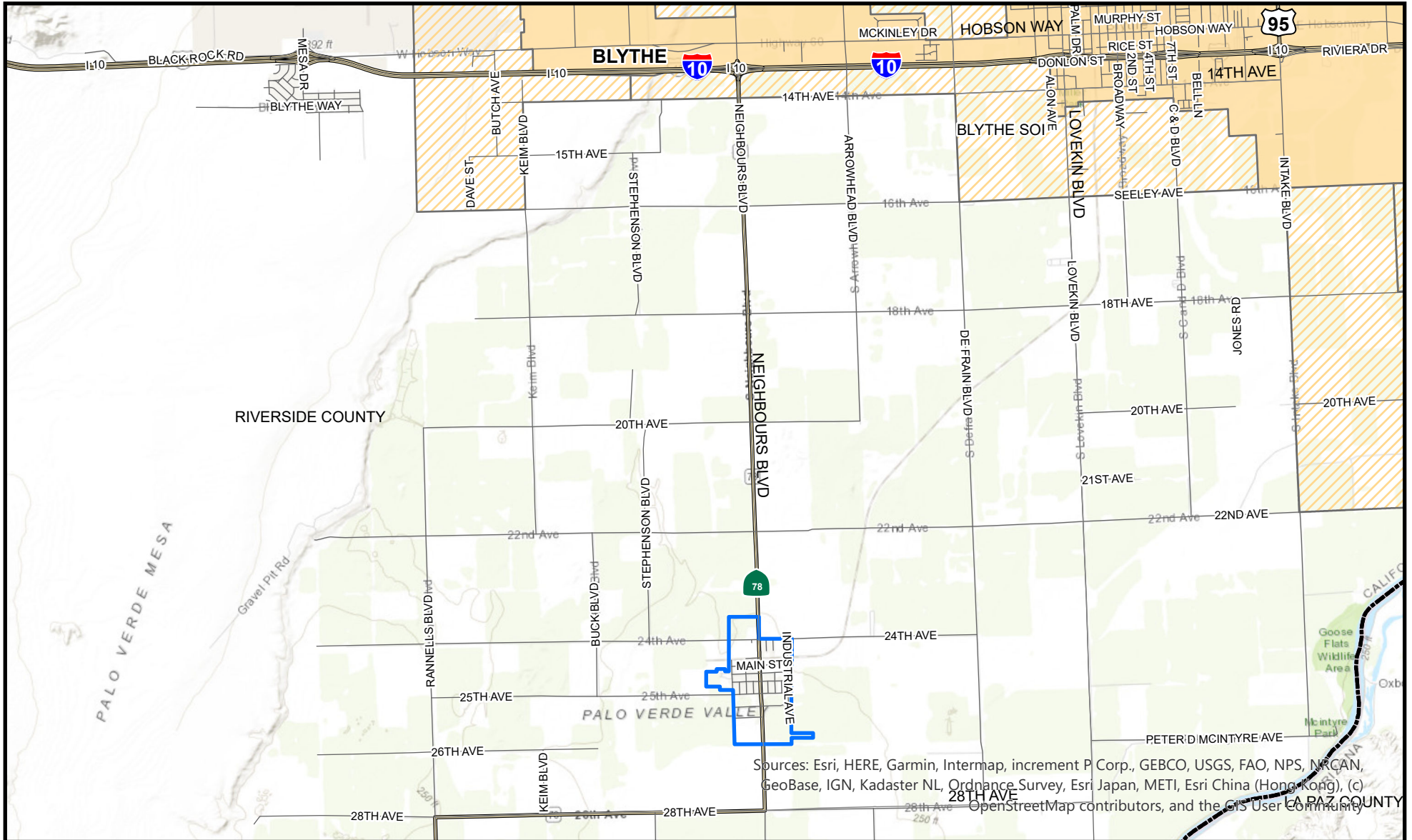
Map Created on 7/1/20

Water & Sewer provided by District



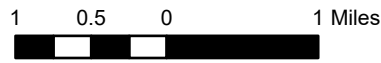
Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

CSA 62 (Ripley) and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Data Sources: County of Riverside; LAFCO



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.

Water & Sewer provided by District

Legend

CSA 62 District Boundary**

** Sphere of Influence (SOI) is coterminous with District Boundary

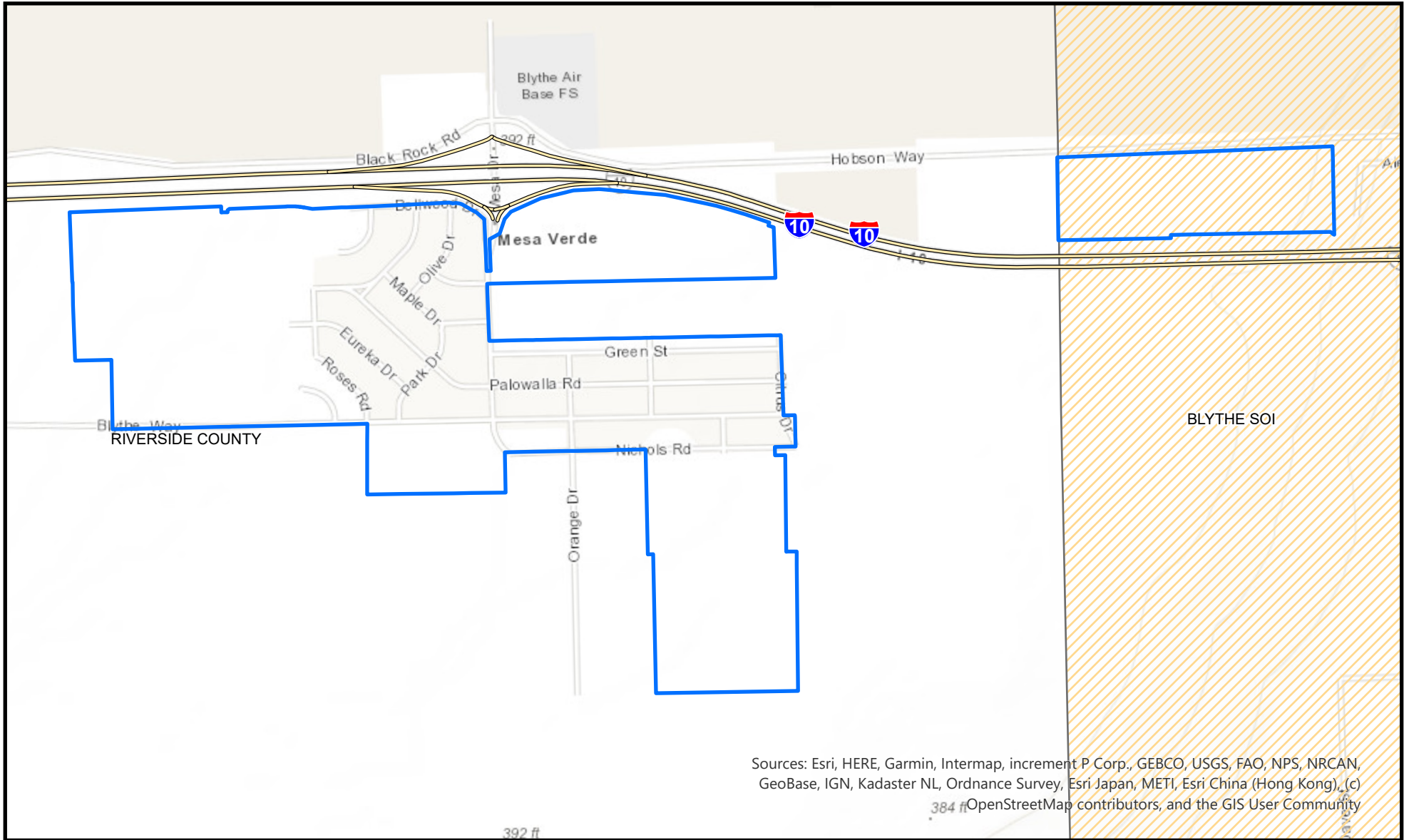
Commission Reviewed & Confirmed SOI: April 23, 2020

Author: Crystal M. Craig

Map Created on 7/1/20

Exhibit H

CSA 122 (Mesa Verde) and Sphere of Influence



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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Data Sources: County of Riverside; Registrar of Voters, LAFCO

0.25 0.125 0 0.25 Miles



Legend

CSA 122 Boundary**

** Sphere of Influence (SOI) is coterminous with District Boundary

Commission Reviewed & Confirmed SOI: April 23, 2020

Author: Crystal M. Craig

Map Created on 7/1/20

Exhibit I

Water provided by District



Disclaimer: The information shown is intended to be used for reference and general display purposes only and is not to be used as an official map.