



**SOUTH SAN LUIS OBISPO COUNTY  
SANITATION DISTRICT**

Post Office Box 339, Oceano, California 93475-0339

1600 Aloha, Oceano, California 93445-9735

Telephone (805) 489-6666 FAX (805) 489-2765

[www.sslocsd.us](http://www.sslocsd.us)

**AGENDA**

**BOARD OF DIRECTORS MEETING**

**Oceano Community Services District Board Room**

**1655 Front Street,**

**Oceano, CA 93445**

**Wednesday, August 4, 2021, at 6:00 p.m.**

**Board Members**

Linda Austin, Chair

Jeff Lee, Vice Chair

Caren Ray Russom, Director

**Agencies**

Oceano Community Services District

City of Grover Beach

City of Arroyo Grande

**Alternate Board Members**

Shirley Gibson, Director

Karen Bright, Director

Lan George, Director

Oceano Community Services District

City of Grover Beach

City of Arroyo Grande

- 
- 1. CALL TO ORDER AND ROLL CALL**
  - 2. PLEDGE OF ALLEGIANCE**
  - 3. AGENDA REVIEW**
  - 4. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON AGENDA**

This public comment period is an invitation to members of the community to present comments, thoughts or suggestions on matters not scheduled on this agenda. Comments should be limited to those matters which are within the jurisdiction of the District. The Brown Act restricts the Board from taking formal action on matters not published on the agenda. In response to your comments, the Chair or presiding Board Member may:

- Direct Staff to assist or coordinate with you.
- Direct Staff to place your issue or matter on a future Board meeting agenda.

Please adhere to the following procedures when addressing the Board:

- Comments should be limited to three (3) minutes or less.
- Your comments should be directed to the Board as a whole and not directed to individual Board members.
- Slanderous, profane or personal remarks against any Board Member, Staff or member of the audience shall not be permitted

Any writing or document pertaining to an open-session item on this agenda which is distributed to a majority of the Board after the posting of this agenda will be available for public inspection at the time the subject writing or document is distributed. The writing or document will be available for public review in the offices of the Oceano CSD, a member agency located at 1655 Front Street, Oceano, California. Consistent with the Americans with Disabilities Act (ADA) and California Government Code §54954.2, requests for disability-related modification or accommodation,

including auxiliary aids or services, may be made by a person with a disability who requires modification or accommodation in order to participate at the above referenced public meeting by contacting the District Administrator or Bookkeeper/Secretary at (805) 481-6903. So that the District may address your request in a timely manner, please contact the District two business days in advance of the meeting.

**5. CONSENT AGENDA:**

The following routine items listed below are scheduled for consideration as a group. Each item is recommended for approval unless noted. Any member of the public who wishes to comment on any Consent Agenda item may do so at this time. Any Board Member may request that any item be withdrawn from the Consent Agenda to permit discussion or to change the recommended course of action. The Board may approve the remainder of the Consent Agenda on one motion.

**5A. Approval of Warrants**

**5B. Approval of Meeting Minutes of July 7, 2021**

**6. ACTION ITEMS:**

**6A. APPROVE AND AUTHORIZE DISTRICT ADMINISTRATOR TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH LARRY WALKER ASSOCIATES TO PERFORM PRETREATMENT PROGRAM UPDATE**

Recommendation:

1. Approve and authorize District Administrator to enter into Professional Service Agreement with Larry Walker Associates in the amount of \$127,281;
2. Authorize the District Administrator to approve a specific contingency for this project up to 10% (\$12,728) of the total project amount for a total potential amount of \$140,009.

**6B. DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT**

Recommendation: Receive and File.

**7. BOARD MEMBER COMMUNICATIONS:**

**8. CLOSED SESSION:**

**Public Employee Performance Evaluation pursuant to Government Code Section 54957:**

Title: District Legal Counsel

**9. ADJOURNMENT**

The next regularly scheduled Board Meeting is September 1, 2021, 6:00 pm at the Oceano Community Services District Board Room 1655 Front Street, Oceano, CA 93445

SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT  
WARRANT REGISTER  
8/4/2021

VENDOR	BUDGET LINE ITEM	DETAIL	WARRANT NO	ACCT	ACCT BRKDN	TOTAL
AGP VIDEO	PROFESSIONAL SERVICE	JUNE 2, 2021 & JUNE 16, 2021	070821-5417	7080	920	920
COASTAL ROLL OFF	RUBBISH	JUNE 2021	5418	7093	959.60	959.60
ENGEL & GRAY	BIOSOLIDS HANDLING	JUNE 2021	5419	7085	7056.52	7056.52
FED EX	CHEMICAL ANALYSIS	7-423-20445	5420	7078	84.77	84.77
GRAINGER	SAFETY SUPPLIES	9936081547	5421	8056	730.19	1,054.52
	ADMIN BUILDING	9941428410; 9946630366		8035	324.33	
II. SUPPLY	EQUIPMENT MAINTENANCE	77795	5422	8030	21.45	21.45
JB DEWAR	FUEL	1166697; 164453	5423	8020	1,090.53	1,090.53
MKN, ENGINEERS	REDUNDANCY ADMIN	9306	5424	20-7080	3,797.62	25,317.38
	PRETREATMENT PROGRAM	9307		7077	1,047.51	
	DIGESTER 2 REHAB	9288		26-8065	20,472.25	
PRAXAIR	EQUIPMENT RENTAL	05/20/21-06/20/21	5425	7032	39.63	39.63
SO CAL GAS	UTILITY GAS	JUNE 2021	5426	7092	2,782.62	2,782.62
STANLEY SECURITY	ALARMS	APRIL, MAY AND JUNE	5427	7011	226.65	226.65
SWRCB	FINES	ACL ORDER NO R3-2021-0043	5428	7068	9,000.00	9,000.00
UMPQUA BANK		JUNE 2021	5429		4,137.30	4,137.30
VWR	LAB SUPPLY'S	2021-043; 057	5430	8040	121.53	121.53
SSLOCSD	TRANSFER	JUNE 2021	5431		99,972.37	99,972.37
ADVANCED FLOW MEASUREMENT	EQUIPMENT MAINTENANCE	4256	072021-5432	8030	900.00	900.00
AIRFLOW FILTER SERVICES	EQUIPMENT MAINTENANCE	78753	5433	8030	44.20	44.20
ALLIED ADMINISTRATORS	DENTAL	AUGUST 2021	5434	6025	815.10	815.10
AMERICAN BUSINESS MACHINES	OFFICE SUPPLY'S	573213	5435	8045	237.66	237.66
ARAMARK UNIFORMS	UNIFORMS	07/02; 07/09; 07/16	5436	7025	917.81	917.81
AT&T	COMMUNICATIONS	07/11/21-08/10/21	5437	7013	454.62	454.62
AUTOSYS, LLC	SCADA	0029	5438	20-7060	21,489.87	21,489.87
BRENNTAG	CHEMICALS	BP1160791; BP1159438	5439	8050	11,884.38	11,884.38
CAREN RAY RUSSOM	BOARD SERVICE	JULY 7, 2021	5440	7075	100.00	100.00
CHARTER	COMMUNICATIONS	06/29/21-07/28/21	5441	7013	319.95	319.95
COUNTY OF SLO ACTTC	LAFCO	FY 2021/22	5442	7069	15,626.04	15,626.04
EVERYWHERE RIGHT NOW, INC.	COMPUTER SUPPORT	JULY 2021	5443	7082	100.00	100.00
FEDERAL EXPRESS	CHEMICAL ANALYSIS	7-340-04754	5444	7078	288.23	288.23
FLUID RESOURCE MGMT.	TRUNK SEWER MAINTENANCE	V20824	5445	26/8065	3,116.50	3,116.50
GRAINGER	EQUIPMENT MAINTENANCE	9980783770	5446	8030	4,761.13	4,761.13
II. SUPPLY	EQUIPMENT MAINTENANCE	78087	5447	8030	79.70	79.70
JEFF LEE	BOARD SERVICE	JULY 2021	5448	7075	100.00	100.00
JONES & MAYER	LEGAL COUNSEL	JUNE 2021	5449	7071	1,526.50	1,526.50
KENNEDY JENKS	REDUNDANCY	148270	5450	20-7080	110,408.48	110,408.48
KNECHT'S PLUMBING	EQUIPMENT MAINTENANCE	10628	5451	8030	3,657.75	3,657.75
KSB, INC			5452	26-8060	13,105.98	13,105.98
LINDA AUSTIN	BOARD SERVICE	JULY 2021	5453	7075	100.00	100.00
OEC, INC	CHEMICAL ANALYSIS	MULTIPLE	5454	7078	889.32	889.32
PETROLEUM SOLIDS CONTROL	EQUIPMENT MAINTENANCE	39142	5455	8030	1,350.00	1,350.00
PG&E	ELECTRICITY	06/10/21-07/11/21	5456	7091	24,893.40	24,893.40
SAFETY KLEEN, INC.	FUEL	86318250	5457	8020	201.10	201.10
SOUTH COUNTY SANITARY	RUBBISH	JULY 2021	5458	7093	394.20	394.20
SPRINT	CELL PHONES	06/04/21-07/03/21	5459	7014	301.76	301.76
TELEDYNE ISCO, INC.	CAPITAL EQUIPMENT	PORTABLE SAMPLER	5460	19-8010	3,988.63	3,988.63
TOTAL COMPENSATION	AUDIT	GASB 75 FULL VALUATION	5461	7072	1,530.00	1,530.00
VWR	LAB SUPPLY'S	PO 2021-061	5462	8040	271.32	271.32
SSLOCSD	TRANSFER	TRANSFER TO COVER UAL	5463		107,301.00	107,301.00
ARAMARK	UNIFORMS	07/23/21	073021-5464	7025	322.17	322.17
BANK OF NY MELLON	REDUNDANCY	SD 2020 COP A & B	5465	20-7080	711,796.88	711,796.88
BRENNTAG	PLANT CHEMICALS	BP1164597	5466	8050	5,802.07	5,802.07
CITY OF GROVER BEACH	AGENCY BILLING	APRIL, MAY, JUNE	5467	7081	5,637.50	5,637.50
FERGUSON ENTERPRISES	STRUCTURE MAINTENANCE	DIGESTER REHAB	5468	26-8065	108.75	108.75
GRAINGER	EQUIPMENT MAINTENANCE	MULTIPLE	5469	8030	167.07	167.07
HELPING HAND HEALTH ED	SAFETY SUPPLIES	CPR CLASS	5470	8056	688.50	688.50
II SUPPLY	EQUIPMENT MAINTENANCE	78275	5471	8030	166.28	166.28
JOHN DEERE	EQUIPMENT MAINTENANCE	706292	5472	8030	217.03	217.03
MINERS ACE HARDWARE	EQUIPMENT MAINTENANCE	JUNE 2021	5473	8030	145.82	145.82
MNS ENGINEERS	REDUNDANCY	CONSTRUCTION MANAGEMENT	5474	20-7080	75,915.87	75,915.87
NATES PLUMBING	STRUCTURE MAINTENANCE	AIR CONDITIONING UNIT	5475	8060	590.00	590.00
O.E.C. ENVIRONMENTAL	CHEMICAL ANALYSIS	MULTIPLE	5476	7078	136.00	136.00
PETROLEUM SOLIDS	EQUIPMENT MAINTENANCE	39171	5477	8030	1,350.00	1,350.00
PHENOVA	EQUIPMENT MAINTENANCE	PO #2021-039	5478	8030	820.34	820.34
READY REFRESH	ADMIN BUILDING	06/25/21-07/24/21	5479	8035	100.99	100.99
REG. GOVT. SERVICES	HUMAN RESOURCES	JUNE 2021	5480	7005	236.25	236.25
RINCON CONSULTANTS	REDUNDANCY	BIO MONITORING	5481	20-7080	731.25	3,605.04
	COASTAL HAZARD MONITORING	COASTAL HAZARD MONITORING		7020	2,873.79	
SM FAMCON PIPE	STRUCTURE MAINTENANCE	DIGESTER REHAB	5482	26-8065	59.81	59.81
SM TIRE	AUTOMOTIVE MAINTENANCE	RAV 4	5483	8032	161.59	161.59
USA BLUEBOOK	STRUCTURE MAINTENANCE	COLORIMETER	5484	26-8065	1,704.80	1,704.80
<b>TOTAL</b>					<b>1,284,736.14</b>	<b>1,284,736.14</b>

We hereby certify that the demands numbered serially from 070821-5417 to 073021-5484 together with the supporting evidence have been examined, and that they comply with the requirements of the SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT. The demands are hereby approved by motion of the SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT, together with warrants authorizing and ordering the issuance of checks numbered identically with the particular demands and warrants.

BOARD OF DIRECTORS:

DATE:

Chairman

Board Member

Board Member

Secretary



# **SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT**

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## **SUMMARY ACTION MINUTES Virtual Zoom Meeting of Wednesday, July 7, 2021**

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### **1. CALL TO ORDER AND ROLL CALL**

Chair Austin called the meeting to order and recognized a quorum.

Present: Linda Austin, Chair, Oceano Community Services District  
Jeff Lee, Vice Chair, City of Grover Beach  
Caren Ray Russom, Director, City of Arroyo Grande

District Staff: Jeremy Ghent, District Administrator  
Scott Porter, Assistant District Legal Counsel  
Amy Simpson, District Bookkeeper/Secretary  
Mike Arias, Operations Supervisor

### **2. PLEDGE OF ALLEGIANCE**

Director Ray Russom led the Pledge of Allegiance.

### **3. AGENDA REVIEW**

**Action:** Approved as presented.

### **4. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON AGENDA**

None.

### **5. CONSENT AGENDA:**

**5A. Approval of Warrants**

**5B. Approval of Meeting Minutes of June 16, 2021**

**Motion:** Director Lee motioned to approve the Consent Agenda as presented.

**Second:** Director Ray Russom

**Action:** Unanimously by roll call vote.

## 6. ACTION ITEMS:

### 6A. CONSIDERATION OF ADOPTING A RESOLUTION GRANTING COST OF LIVING ADJUSTMENTS AND MODIFICATIONS TO THE MEMORANDUM OF UNDERSTANDING BETWEEN THE SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT AND SERVICE EMPLOYEES' INTERNATIONAL UNION LOCAL 620

Administrator Ghent presented this Item in a PowerPoint slide show.

The Board had a brief discussion about Juneteenth. Administrator Ghent responded that staff will prepare a request for Juneteenth to be designated a holiday at a future meeting before the next June 19<sup>th</sup> holiday.

There was no public comment.

**Motion:** Director Lee motioned to adopt Resolution No. 2021-429 which Grants Cost of Living Adjustments and Modifications to Benefits for the Memorandum of Understanding between the South San Luis Obispo County Sanitation District and the Service Employees' International Union Local 620, Exhibit "A".

**Second:** Director Ray Russom

**Action:** Approved unanimously roll call vote.

### 6B. COST OF LIVING ADJUSTMENTS AND BENEFITS FOR NON-REPRESENTED EMPLOYEES

Administrator Ghent presented this Item in a PowerPoint slide show.

The Board thanked Administrator Ghent for the successful negotiations.

There was no public comment.

**Motion:** Director Lee motioned to adopt Resolution No. 2021-430, granting Cost of Living Adjustments and Modifications to Benefits for Non-Represented Full-Time Employees, Exhibit "A".

**Second:** Director Ray Russom

**Action:** Approved unanimously roll call vote.

### 6C. ADOPTION OF DISTRICT SALARY SCHEDULE, AS REQUIRED BY CALIFORNIA PUBLIC EMPLOYEES RETIREMENT SYSTEM (CALPERS) REGULATIONS, EXHIBIT "A".

Administrator Ghent presented this Item in a PowerPoint slide show. This Resolution sets the Salary Schedules beginning July 2021, July 2022, and July 2023.

There was no Board discussion.

There was no public comment.

**Motion:** Director Lee motioned to adopt Resolution No. 2021-431 Adopting a Publicly Available Pay Schedule effective July 2021, July 2022, and July 2023 in accordance with California Public Employees Retirement System (CalPERS) regulations, Exhibit "A".

**Second:** Director Ray Russom

**Action:** Approved unanimously roll call vote.

#### **6D. UPDATES AND REVISIONS TO PERSONNEL POLICY MANUAL**

Administrator Ghent presented this Item in a PowerPoint slide show. He presented the changes that were made from the previous Personnel Policy that was adopted in 2018.

Director Lee reported an error in Section 3000 Compensatory Time. He also commented on the cell phone stipend.

There was no public comment.

**Motion:** Director Lee motioned to adopt Resolution No. 2021-432 amending and updating the District's Personnel Policy Manual, Exhibit "A" with modification to strike paragraph 5D. under Compensatory Time.

**Second:** Director Ray Russom.

**Action:** Approved unanimously roll call vote.

#### **6E. DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT**

Administrator Ghent presented the Administrators Report. He updated the Board on the Redundancy Project, Central Coast Blue and reported the plant was audited by the Regional Water Quality Control Board on 06/29/2021. Plant tours will resume in August.

Operator Arias presented the Plant Operations Report. He reported that the District's facility met its permit limitations as required under the State of California's National Pollutant discharge Elimination System Permit issued to the district. He also reported on plant maintenance tasks, work orders, and call outs.

Director Lee asked how the Total Suspended Solids could be over 100%. This was an error and will be corrected.

There was no public comment.

**Action:** The Board received and filed this report.

#### **7. BOARD MEMBER COMMUNICATIONS**

The Board thanked staff for keeping the plant operating well.

**8. ADJOURNMENT TO CLOSED SESSION:**

6:48 p.m.

**9. CLOSED SESSION:**

**Public Employee Performance Evaluation pursuant to Government Code Section 54957:**

Title: District Administrator

There was no Public Comment.

There was no Reportable Action.

***THESE MINUTES ARE DRAFT AND NOT OFFICIAL UNTIL APPROVED BY THE  
BOARD OF DIRECTORS AT A SUBSEQUENT MEETING.***



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### **STAFF REPORT**

**Date:** August 4, 2021

**To:** Board of Directors

**From:** Jeremy Ghent, District Administrator

**Via:** Mychal Jones, Plant Superintendent

**Subject:** **APPROVE AND AUTHORIZE DISTRICT ADMINISTRATOR TO ENTER INTO A PROFESSIONAL SERVICE AGREEMENT WITH LARRY WALKER ASSOCIATES TO PERFORM PRETREATMENT PROGRAM UPDATE**

#### **RECOMMENDATION:**

1. Approve and authorize District Administrator to enter into Professional Service Agreement with Larry Walker Associates in the amount of \$127,281;
2. Authorize the District Administrator to approve a specific contingency for this project up to 10% (\$12,728) of the total project amount for a total potential amount of \$140,009

#### **BACKGROUND AND DISCUSSION:**

In 1994, the District's Pretreatment Ordinance No. 1994-1 (Ordinance) was issued to establish pretreatment regulations to prevent the introduction of pollutants into the wastewater treatment plant (WWTP) that could potentially interfere with operations, pass through the WWTP (inadequately treated) and discharge into the Pacific Ocean, and protect District staff from exposure to hazardous chemicals. This Ordinance was based on a version of the Environmental Protection Agency (EPA) Model Pretreatment Ordinance which has now been superseded by the most recent 2007 EPA Model Pretreatment Ordinance.

In October 2019, the District contracted with Michael K. Nunley & Associates, Inc. (MKN) to perform an evaluation of the District's existing Pretreatment Ordinance. As part of their evaluation, MKN reviewed the District's existing historical plant data, data on existing permitted industrial users, existing Pretreatment Ordinance, Sanitary Sewer Ordinance, Wastewater Discharge Permit Application, 2007 EPA Model Pretreatment Ordinance, and pretreatment programs and sewer fee programs from similar agencies. Upon completion of the evaluation, it was recommended that the District perform a local limits study, industrial user rate structure update, develop a draft of the updated Pretreatment



Ordinance based on results of the local limits study, and review and update industrial user permit application and permit as needed.

Following the completion of the Pretreatment Program Evaluation, the District proceeded with the recommendations and issued a request for proposal on May 3, 2021 from qualified firms. The District received one proposal from Larry Walker Associates (LWA). After review of LWA's proposal, Staff has elected to move forward with LWA to assist the District in performing the Pretreatment Program Update.

The Pretreatment Program Update consists of the following:

**Local Limits Evaluation**

Local limits establish maximum discharge concentrations of select wastewater constituents. Local limits should be reviewed periodically and revised when necessary to reflect changes in wastewater treatment plant (WWTP) operations and infrastructure, regulations, and industrial discharges. Review and revision of local limits also serve to prevent pass-through in the WWTP, protect the function of WWTP processes, ensure the safety of treatment plant staff, and prevent biosolids contamination. Local Limits Evaluation generally involves identifying and monitoring pollutants of concern, developing maximum allowable WWTP loadings, consider the need for local limits, and develop an allocation method of permitted dischargers.

**Industrial User Rate Structure Update**

Review and update of the District's surcharges and methods surcharges are established. Surcharges allow the District to recover costs for treating high-strength loadings from non-residential users.

**Pretreatment Ordinance/Sanitary Sewer Use Ordinance Update**

Upon completion of the Local Limits Evaluation, the District's existing Pretreatment Ordinance and Sanitary Sewer Use Ordinance will need to be updated. All updates will need to be derived from the technical analysis and findings of the Local Limits Evaluation. In addition, the proposed Ordinance updates will need to be approved and adopted by the Board.

In addition, the Pretreatment Program Update will also consider new processes that the District will start operating after the Redundancy Project is complete and recycling possibilities.

**Fiscal Considerations:**

Adequate budget is included in the Adopted Budget for FY 2021/22, Under Fund 19, Account No. 19-8015, Trunk Sewer Maintenance.

**Attachments:**

Proposal from Larry Walker Associates

May 28, 2021

South San Luis Obispo County Sanitation District  
1600 Aloha Place  
Oceano, CA 93445



## **Proposal for South San Luis Obispo County Sanitation District Pretreatment Program Update**

Dear Sir or Madam:

Larry Walker Associates (LWA) is pleased to submit the attached proposal in response to South San Luis Obispo County Sanitation District's (District) Request for Proposals (RFP) for *Pretreatment Program Update* and acknowledge receipt and review of Addendum 1, dated May 12, 2021. LWA is uniquely qualified to conduct this work based on our local project experience, familiarity with San Luis Obispo County and the Central Coast, the NPDES Permit and Pretreatment Program requirements, and our broad experience with wastewater program support for California municipalities.

Our proposed project team consists of a statewide expert in Pretreatment Programs and highly skilled technical staff with experience in updating Pretreatment Programs, including local limits and ordinances, developing monitoring plans, reviewing rate structures, engaging stakeholders, and providing overall Pretreatment Program support. Additionally, LWA brings experience working with the Central Coast Regional Water Quality Control Board staff to get updated Pretreatment Programs approved. LWA is confident that our knowledge and understanding of the regulatory requirements, a wealth of similar project experience, and forward-thinking vision will provide the District with a solid partner to achieve a successful outcome for this project.

We look forward to the opportunity to work with the District to respond to your needs efficiently and effectively. Please feel free to contact Gorman Lau, who will be the Project Manager for this effort, at [530-753-6400](tel:530-753-6400) or [GormanL@LWA.com](mailto:GormanL@LWA.com) should you have any questions or concerns regarding this proposal.

Sincerely,

A handwritten signature in black ink that reads 'Karen Ashby'.

Karen Ashby, CPSWQ  
Vice President, Larry Walker Associates

May 28, 2021

PROPOSAL FOR

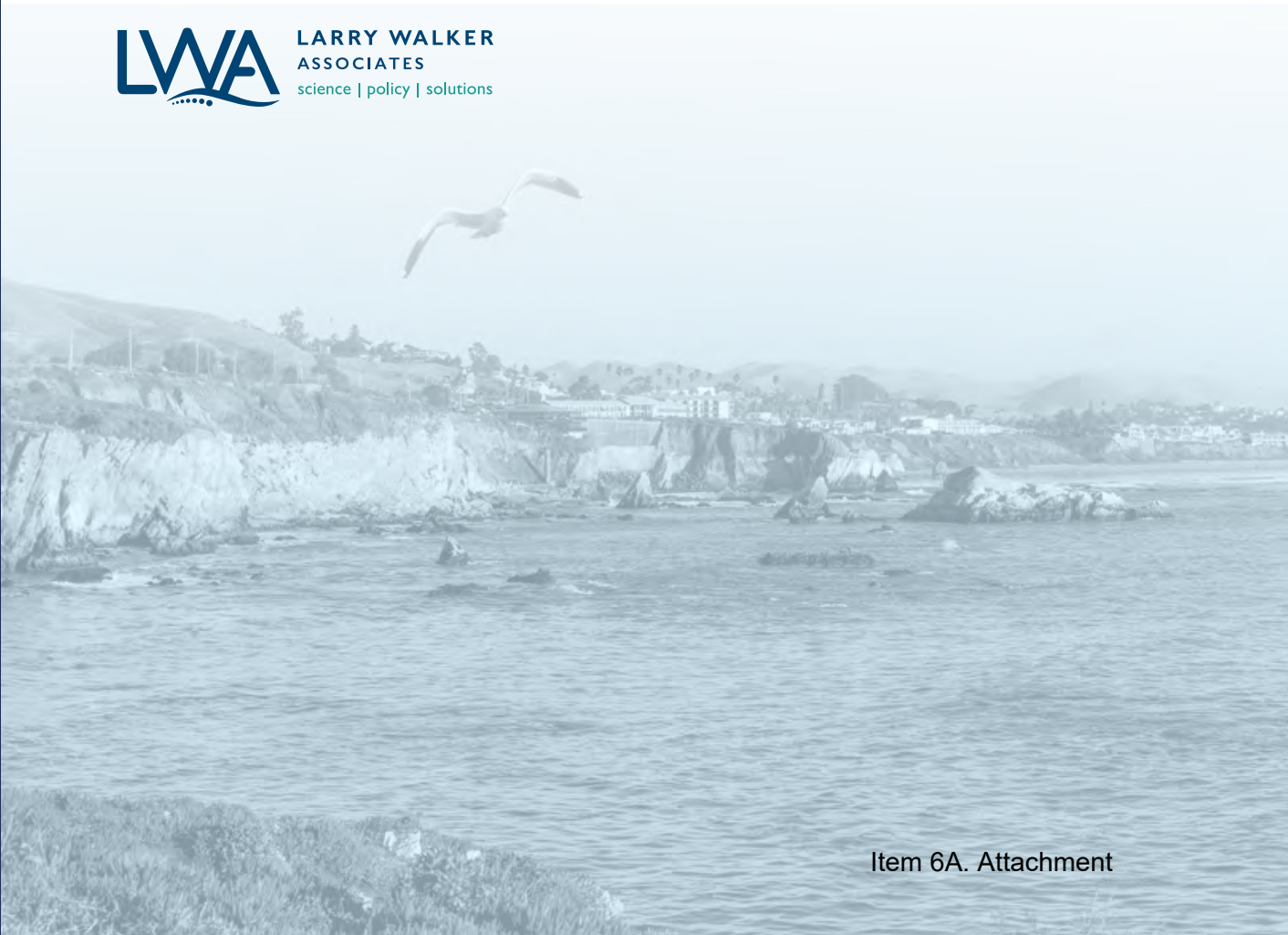
# South San Luis Obispo County Sanitation District

PREPARED BY

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LARRY WALKER  
ASSOCIATES  
science | policy | solutions



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## Attachments

Attachment A: Resumes



## 1.0 Firm Background

Larry Walker Associates, Inc. (LWA) is a privately owned Small Business Enterprise and Women-Owned Business Enterprise headquartered in Davis, CA, with regional offices in Ventura, Santa Monica, San Diego, San Jose, and Berkeley, California, and Seattle, Washington. LWA currently has a staff of 50 employees who provide a wide range of environmental engineering, management, and consulting services for wastewater agencies and municipal stormwater programs throughout California. For over 42 years, LWA has earned a solid reputation and significant expertise providing specialized services including Pretreatment Program assistance, regulatory support, National Pollutant Discharge Elimination System (NPDES) and stormwater permit assistance, water quality monitoring and data evaluation, stormwater and watershed management and assessment, Total Maximum Daily Load (TMDL) development and implementation, waste minimization and pollution prevention, and groundwater support. LWA has successfully worked with numerous wastewater agencies throughout California in developing, updating, and implementing all aspects of Pretreatment Programs, including evaluating, updating, and developing local limits, updating Sewer Use Ordinances and Enforcement Response Plans, assisting with Pretreatment Compliance Inspections (PCIs) and Audits (PCAs), developing industrial user permits, and conducting industrial user inspections to comply with NPDES permits, Part 403 of Title 40 of the Code of Federal Regulations (40 CFR Part 403), and other regulatory requirements.

***LWA has worked with municipal clients throughout California, including many cities and special districts within and surrounding San Luis Obispo County. LWA excels at developing and delivering innovative, strategic, pragmatic, and technically sound solutions to address Pretreatment Program requirements efficiently and cost-effectively.***

In addition to the capabilities for providing the technical support requested by the South San Luis Obispo County Sanitation District (District), LWA has successfully built relationships with regulatory agencies overseeing Pretreatment Programs, including Regional Water Quality Control Boards and the United States Environmental Protection Agency (USEPA). These relationships allow for candid discussions and guidance and help move projects along if issues arise. Familiarity with 40 CFR Part 403 and other applicable regulatory requirements and history of collaboratively working with regulatory agencies on updates and implementation of Pretreatment Programs have allowed LWA to integrate the latest information and develop unique, responsive strategies for our clients. This coupling of experience and relationships helps LWA provide customized support and services that meet clients' needs, goals, and objectives effectively. LWA has the capacity to support this project, is readily available upon contract award, and will perform 100 percent of the project's primary services with its own staff and without the use of subcontractors. LWA's enhanced control of the project schedule, budget, and quality benefits the District with reduced risk.

### PRETREATMENT PROGRAM EXPERIENCE WITH CENTRAL COAST CLIENTS

- Santa Barbara
- Monterey One Water
- Goleta Sanitary District
- Goleta West Sanitary District
- City of San Luis Obispo
- City of Paso Robles
- City of Lompoc
- South County Regional Wastewater Authority



## 2.0 Experience and References

LWA maintains long-term relationships with its clients, providing tailored support on projects and tasks to address complex and continuously evolving regulatory requirements, including on an on-call, as-needed basis. Key project descriptions highlighting this type of client relationship the breadth of LWA's experience with tasks similar to those listed in the District's Pretreatment Program Request are provided below.

### 2.1. Project Experience

#### Santa Barbara Pretreatment Program

**Client and Location:** City of Santa Barbara, Santa Barbara, California

**Dates of Service:** 2010-Present

Since 2010, LWA supported the City of Santa Barbara Pretreatment Program with work efforts including:

- Updating and administering its Pretreatment Program, including interviewing candidates for the Pretreatment Program Coordinator and providing training for the Pretreatment Program Coordinator
- Participating in USEPA Pretreatment Compliance Inspections
- Updating the City's Sewer Use Ordinance and Enforcement Response Plan
- Developing templates for wastewater discharge permits to facilitate efficient permit renewals
- Identifying new facilities requiring permitting under the program and evaluating industrial user impacts for biochemical oxygen demand, total suspended solids, and ammonia
- Assisting in collection system and wastewater treatment plant sampling
- Conducting inspections and sampling of industrial users
- Assisting with enforcement actions for violations of the Pretreatment Program
- Reviewing industrial user discharge reports
- Presenting Pretreatment Program updates to the Water Commission and City Council

#### RELEVANCE TO RFP

- Pretreatment Program Update
- Administration of Pretreatment Program
- Local Limits Studies
- Experience with Central Coast Water Board and elected City officials
- Ocean Discharge

In 2016, LWA completed a local limits update for the City that included conducting an evaluation of existing local limits, developing a sampling and analysis plan to collect additional data needed to update the local limits, and developing a local limits report as part of an overall Pretreatment Program update that was submitted to the Central Coast Regional Water Quality Control Board (Central Coast Water Board) for approval. In 2020, LWA evaluated and updated the local limits for the City to incorporate a new NPDES permit and recent wastewater treatment plant upgrades.





### Monterey One Water Pretreatment Program Support

**Client and Location:** Monterey One Water, Seaside, California

**Dates of Service:** 2017-2019

In 2017, LWA conducted a local limits evaluation, developed a local limits sampling plan, and updated and developed local limits for Monterey One Water during the planning and construction of its Advanced Water Purification Facility for groundwater replenishment. The local limits study uniquely incorporated projected wastewater quality from planned new wastewater sources that were being regionalized to increase the volume of treated wastewater in order to meet the groundwater replenishment goals. LWA also updated the Sewer Use Ordinance and Enforcement Response Plan for the Pretreatment Program. LWA continues to provide on-call support for the Pretreatment Program

#### RELEVANCE TO RFP

- Local Limits Study
- Pretreatment Ordinance Update
- On-Call Pretreatment Program Support
- Ocean Discharge

### Victor Valley Regional Wastewater Authority Pretreatment Program Support

**Client and Location:** Victor Valley Regional Wastewater Authority, Victorville, California

**Dates of Service:** 2007-Present

LWA provides a wide range of regulatory assistance to the Victor Valley Regional Wastewater Authority (VWVRA) for its NPDES permit for discharge to the Mojave River, Waste Discharge Requirements for discharge to percolation ponds at its main wastewater reclamation facility and Subregional Facilities and recycled water requirements under the Statewide General Order. LWA also assists VWVRA with implementation of permit requirements, sampling and analysis plan preparation, tracking of regulatory requirements (e.g., monitoring plans for PFAS), Pretreatment Program implementation and annual reports preparation.



Beginning in 2007, LWA has provided support to the VWVRA Pretreatment Program. Local limits efforts have included updating the local limits in 2009, evaluating the local limits in 2017, and updating the local limits in 2021. LWA has also supported subsequent Sewer Use Ordinance and Enforcement Response Plan updates in 2015 and 2021 that built in flexibility for implementation including Best Management Practices (BMPs). In March 2021, LWA completed an evaluation of the Pretreatment Program fees and provided recommendations for updating the fee structure to provide for additional cost recovery for implementation of the program. LWA has also provided other Pretreatment Program support to VWVRA that includes preparing Annual Pretreatment Reports, conducting inspections of industrial facilities, and updating wastewater discharge permit templates.

#### RELEVANCE TO RFP

- Industrial User Rate Study
- Local Limits Studies
- Sewer Use Ordinance Update
- Pretreatment Program Annual Report Support
- Pretreatment Program Implementation





## 2.2. References

LWA has the proven experience to successfully administer and deliver high-quality work products for complex water quality and regulatory compliance projects. Hallmarks of our approach include:

- Bringing flexibility to the project while successfully overseeing the overall project to meet desired end goals
- Integrating multi-disciplinary regulatory and technical experts into a cohesive working team
- Providing an adaptive atmosphere that encourages interaction and communication
- Responding to unforeseen needs such as additional meetings or changes in direction or scope.

***LWA has significant, long-term experience providing the technical services sought by the District in the RFP.***

LWA's reputation is a direct result of our professional and qualified staff and our commitment to fostering long-term relationships built on trust with our clients. The client references provided in **Table 1** can attest to our expertise, professional reputation, and proven processes to deliver projects on time, on budget, and to the satisfaction of our clients.

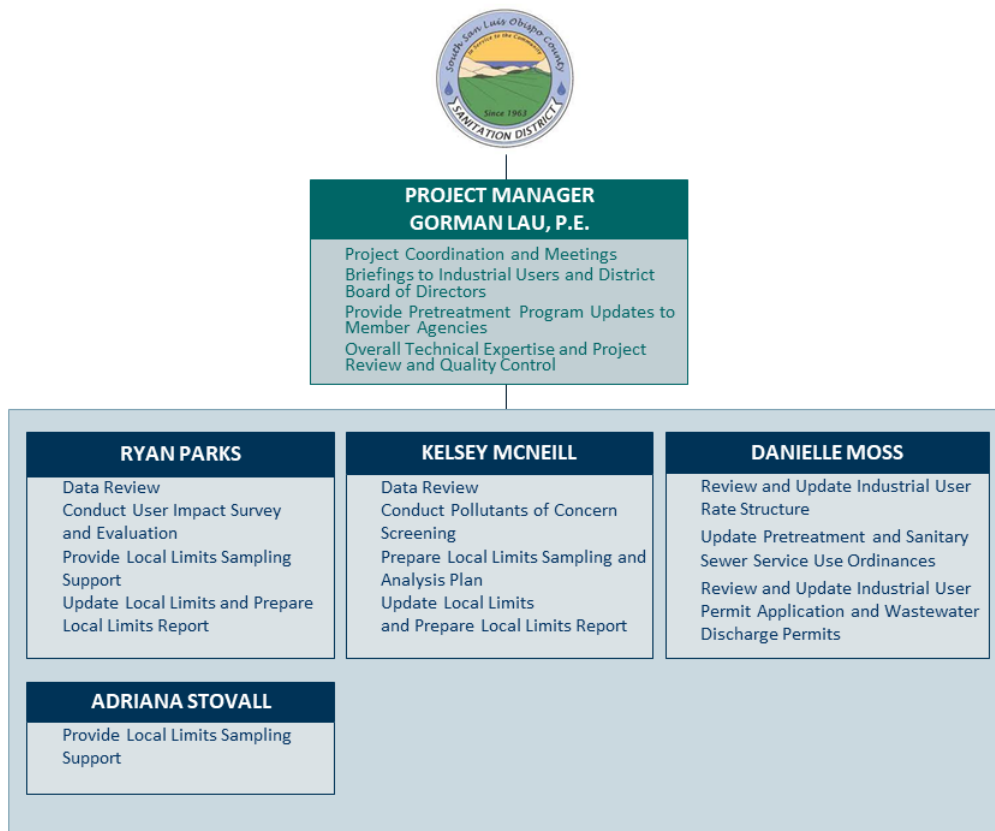
**Table 1. References**

Project	Client Contact Information
<b>Santa Barbara Pretreatment Program Update and Support</b>	<b>Mary Thompson, Laboratory Coordinator</b> City of Santa Barbara 805-568-1004; <a href="mailto:mthompson@santabarbaraca.gov">mthompson@santabarbaraca.gov</a>
<b>Monterey One Water Local Limits and Pretreatment Program Update</b>	<b>Cory Miyabara, Senior Source Control Inspector</b> Monterey One Water 831-883-6162; <a href="mailto:cory@my1water.org">cory@my1water.org</a>
<b>Victor Valley Regional Wastewater Authority Pretreatment Program Update</b>	<b>Latif Laari, Business Applications Manager</b> Victor Valley Regional Wastewater Authority 760-954-5083; <a href="mailto:LLaari@vwwra.com">LLaari@vwwra.com</a>
<b>South County Regional Wastewater Authority Local Limits and Pretreatment Program Update</b>	<b>Jonathan Crick, Deputy Fire Marshal/CUPA/ Pretreatment</b> City of Gilroy 408-846-0436; <a href="mailto:Jonathan.crick@cityofgilroy.org">Jonathan.crick@cityofgilroy.org</a>
<b>Western Riverside County Regional Wastewater Authority Local Limits Study</b>	<b>Martyn Draper, Source Control Program Manager</b> Western Municipal Water District (951) 571-7294; <a href="mailto:mdraper@wmwd.com">mdraper@wmwd.com</a>



### 3.0 Project Organization and Key Personnel

LWA has assembled an experienced team of professionals with proven project management and unique subject matter and technical expertise to successfully execute the technical services requested in the RFP. Each team member was selected based on their expertise, experience, credentials, and ability to cost-effectively provide the designated services throughout the entirety of the contract. All proposed staff have the workload capacity and availability to support the project upon contract award. As demonstrated in **Attachment A**, the proposed personnel offer vital insight and knowledge with *specific previous experience in executing their assigned tasks*. LWA utilizes a transparent management structure that provides the District a single point of contact for all project management needs and direct access to the project's technical staff. The organizational chart (**Figure 1**) identifies the proposed Project Manager and roles to be filled by each key team member.



**Figure 1. Staff Organizational Chart**

*Our Project Manager, Gorman Lau, has proven organizational, communication, and project management and technical skills, coupled with a strong track record in leading project teams to accomplish specific technical tasks outlined in the scope of work.* As the primary and day-to-day point of contact to the District, he will oversee the work performed for each task, manage the contract, and ensure work is completed on time and within budget. Additionally, he will serve as the Senior Engineer to provide technical expertise throughout the project.



Bios for the Project Manager and support staff are provided below. Resumes that detail additional qualifications for all staff identified for this project are available in **Attachment A**.

<p><b>GORMAN LAU, P.E.</b> <b>SENIOR ENGINEER</b></p> <hr/> <p><i>Role: Project Manager/Senior Engineer</i></p> <p><b>Duties Include:</b></p> <ul style="list-style-type: none"> <li>• Primary point of contact</li> <li>• Overall project performance and execution</li> <li>• Resource coordination, regulatory and technical expertise</li> <li>• Engagement with stakeholders</li> </ul>	<p><b>Mr. Lau</b> is a Senior Engineer with LWA. He has eighteen years of experience in the environmental engineering field, including Pretreatment Program implementation, National Pollutant Discharge Elimination System (NPDES) permitting, wastewater quality, and water quality sampling. Mr. Lau is primarily responsible for developing/implementing pretreatment programs, developing/evaluating local limits, developing sampling and analysis plans, overseeing water quality sampling projects, analyzing water quality data, and assisting NPDES permit re-issuances and compliance. He has worked effectively with regulatory agencies to get updated Pretreatment Programs approved and provided training and presentations on pretreatment topics at conferences and workshops, including most recently at the 2019 California Water Environment Association (CWEA) Pretreatment, Pollution Prevention, and Stormwater (P3S) Conference in Seaside.</p>
<p><b>Ms. Moss</b> is a Project Scientist with LWA and has ten years of experience in environmental engineering, providing wastewater, stormwater, and groundwater regulatory assistance. Ms. Moss regularly assists municipalities and agencies with NPDES and WDR water quality data analysis, reporting, and pollution prevention, stormwater regulatory assistance and compliance, special studies, permit negotiations and groundwater management. She has assisted Pretreatment Program clients in conducting compliance inspections of industrial users, including reviewing wastewater discharge permit requirements, industrial monitoring data, and Sewer Use Ordinances to verify compliance with local, state, and federal requirements. Ms. Moss has also developed Pollution Prevention Plans that identify sources of pollutants and build strategies and costs to mitigate pollutant loads at wastewater treatment plants.</p>	<p><b>DANIELLE MOSS</b> <b>PROJECT SCIENTIST</b></p> <hr/> <p><i>Role: Task Support</i></p> <p><b>Duties Include:</b></p> <ul style="list-style-type: none"> <li>• Conduct Industrial User Rate Structure Evaluation</li> <li>• Update Pretreatment and Sanitary Sewer Service Use Ordinances</li> <li>• Update Industrial User Permit Application and Wastewater Discharge Permits</li> </ul>
<p><b>RYAN PARKS</b> <b>PROJECT SCIENTIST</b></p> <hr/> <p><i>Role: Task Lead and Support</i></p> <p><b>Duties Include:</b></p> <ul style="list-style-type: none"> <li>• Conduct Industrial User Impact Survey</li> <li>• Provide Local Limits Sampling Support</li> <li>• Develop Local Limits</li> </ul>	<p><b>Mr. Parks</b> is a Project Scientist working in LWA's Ventura office. Mr. Parks supports LWA's clients with monitoring plan development and implementation, data management and analysis, watershed planning, and annual report development. Among his work at LWA, Mr. Parks has conducted local limits evaluations, developed recommendations for additional sampling, and assisted in updating and developing local limits. Mr. Parks has also worked to develop strategies to control pollutants of concern to protect effluent quality and beneficial uses and meet regulatory requirements.</p>



**Ms. McNeill** is a Project Engineer at LWA. She has a B.Sc. in Geological Engineering from Queen's University and an M.Sc. Civil and Environmental Engineering from the University of California, Berkeley. She is experienced with compiling and analyzing water quality data, technical writing, and reporting for stormwater and wastewater programs. Additionally, she is experienced with field work including water quality sampling to support regulatory programs. Ms. McNeill has worked with multiple clients in conducting local limits evaluations, developing local limits sampling plans, and assisting in the update and development of local limits.

#### **KELSEY MCNEILL** **PROJECT ENGINEER**

**Roles:** *Task Lead and Support*

**Duties Include:**

- Conduct Pollutants of Concern Screening
- Prepare Sampling and Analysis Plan
- Assist in Local Limits Development

#### **ADRIANA STOVALL** **PROJECT SCIENTIST**

**Role:** *Task Support*

**Duties Include:**

- Provide Local Limits Sampling Support

**Ms. Stovall** is a Project Scientist and provides a combination of Water Quality Monitoring, Watershed Management/TMDL, Regulatory and Data Management support to LWA. Her monitoring experience is specialized within Ventura and Los Angeles Counties and provides her with comprehensive knowledge of local projects, clients and geography. Ms. Stovall's areas of expertise include watershed planning and TMDL implementation, water quality monitoring, agricultural program facilitation, groundwater/surface water interaction studies, water recharge monitoring, and bacterial discharge special studies. Ms. Stovall also has specialized skills in stormwater trash and debris monitoring, utilizing multiple assessment methods for several municipalities in the Southern California area in compliance with Various Trash and Debris TMDLs. Ms. Stovall is the Monitoring and Special Studies Service Area Team Assistant Coordinator and serves as the Project Safety Lead for numerous projects. She assisted with the development and update of the LWA Health and Safety Plan and associated company-wide training.

## **4.0 Project Understanding**

The District owns and operates a wastewater treatment plant (WWTP) in Oceano, California, providing sanitary sewer service to the Cities of Arroyo Grande and Grover Beach and the Oceano Community Services District. The WWTP discharges secondary effluent into the Pacific Ocean and is permitted under an NPDES permit (CA0048003, Order No. R3-2019-0002). In 1994, the District developed and began implementing a Pretreatment Ordinance (Ordinance No. 1994-1) that regulates the discharges from direct and indirect users and outlines discharge limitations (e.g., local limits), permitting, and reporting requirements and enforcement. The District also implements a Sanitary Sewer System Use Ordinance (Ordinance No. 2011-1). In 2019, MKN & Associates evaluated the District's Pretreatment Program. They provided recommendations that the District review, and if necessary, update its Pretreatment Program, including its local limits, industrial user rate structure, and ordinances.

**LWA has in-depth knowledge and experience providing Pretreatment Program services to clients throughout California, including working with publicly owned treatment works (POTWs) such as the District that discharge into the Pacific Ocean.** LWA understands the unique needs of the District and has experience in:

- Updating Sewer Use and Pretreatment Ordinances
- Conducting local limits evaluations and studies



- Developing industrial user rate structures
- Working with elected officials and regulatory agencies
- Providing NPDES permitting and other regulatory compliance support

As demonstrated in our project references and resumes, LWA has completed numerous local limits and pretreatment program updates for municipal agencies throughout California and is highly familiar with the effort needed to complete the required work within the project schedule, in full compliance with the NPDES permit, the Clean Water Act, General Pretreatment Regulations, and all other applicable codes, regulations, and requirements. Based on this substantial experience, LWA has developed the following approach and guidelines to support the District through this project successfully:

- **Adaptive Management and Forward-Thinking Strategies:** From our experience assisting municipal agencies in comprehensively reviewing, evaluating, developing, and updating local limits, *LWA has developed significant expertise in methodologies and procedures to streamline and adaptively manage local limits studies effectively.* By strategically assessing the approach for conducting a local limits study at critical points in the process, LWA has helped agencies mitigate the intensive resources (e.g., additional sampling) that are periodically required to conduct these updates successfully.
- **Efficient Tools:** LWA has developed several tools that integrate and utilize all available information and data to efficiently calculate local limits with the ability to evaluate alternative scenarios quickly. In managing and evaluating water quality data, *LWA uses an in-house-developed regression-on-order statistical tool that computes pertinent summary statistics and, more importantly, can integrate non-detect water quality data into the summary statistical calculations.* This approach helps reduce the assumptions that may be needed when developing local limits. Secondly, LWA has developed a system of local limits calculation spreadsheets that allow for modifying variables and assumptions that allow for quick evaluation of multiple scenarios effectively and efficiently. These tools provide us with the ability to develop technologically based and practical local limits.
- **Active Communication:** Successful projects hinge on effective communication between the client and LWA. Clients are openly encouraged to reach out to our Project Managers to discuss approaches, strategies, and issues that arise during a project. For this project, **Gorman Lau** will be the Project Manager and the primary point of contact for the District. *Mr. Lau has successfully evaluated, updated, and developed local limits for over 30 agencies throughout the state and worked with regulatory agencies to get local limits and pretreatment program updates approved.*
- **Effective Communication with Regulatory Agencies:** Maintaining an open line of communication with the Central Coast Water Board is a critical step for this project, particularly as it relates to anticipated substantial modifications to the Pretreatment Program that must be approved prior to implementation. In our experience, it can take time for a regulatory agency to approve modifications to a Pretreatment Program because they often outsource the review of final draft program update documents to a consultant. LWA is ready to periodically reach out to the Central Coast Water Board staff to ensure that the District's proposed Pretreatment Program updates are being reviewed on time. *Based on our experience working with the Central Coast Regional Water Quality Control Board, we understand approaches to help the District move the process forward towards approval.*

LWA will work with the District to refine the approach and strategy for updating its Pretreatment Program. The kick-off meeting is a suitable opportunity for LWA and the District to collaborate on an approved approach. LWA will periodically review the process and strategy through transparent communication with the District to ensure the District's needs and goals are met.



## 5.0 Scope of Work

Based on LWA's understanding of the District's project goals and the approach discussed in **Section 4.0**, this proposed scope of work incorporates the services requested in the RFP and subsequent Addendum 1, dated May 12, 2021. LWA has also identified additional efforts to streamline Pretreatment Program development while providing the most value to the District.

### Local Limits Evaluation

#### **Task 1: Conduct Kick-off Meeting and Site Visit**

To initiate the project, LWA will prepare for and participate in a kick-off meeting with District staff. The purpose of this meeting is to confirm the project understanding, discuss the project approach and schedule, identify project responsibilities and persons of contact, and gather relevant information and data needed as part of this effort. LWA will prepare and distribute an agenda for the meeting and meeting notes in advance. As part of the kick-off meeting, LWA will also conduct a site visit of the WWTP to understand the source(s) of data, proposed construction of the additional treatment facilities, and identify existing and potential monitoring locations for the local limits study. LWA will follow District healthy and safety protocols for the kick-off meeting and site visit.

#### **Task 2: Review Existing Data and Information and Provide Data Checklist**

LWA will provide the District with a checklist of relevant background data and information that will be referenced to initiate this project. The data and information to be reviewed will include, at a minimum, the Pretreatment and Sanitary Sewer Service Use Ordinances, recent annual reports and monitoring data, industrial user surveys, monitoring data from industrial users, process unit diagrams and design capacities, Pretreatment Compliance Inspection/Pretreatment Compliance Audit (PCI/PCA) Summary Reports, NPDES permit, and existing local limits development documents. LWA anticipates that the District will provide the above information in electronic format (e.g., Excel, Word, PDF) for review and compilation.

#### **Task 3: Conduct Industrial User Impact Survey and Evaluation**

LWA will conduct a review of the industrial users discharging to the WWTP in preparation for providing the District with a Memorandum. LWA will review the historic industrial user monitoring data collected in Task 2 to assess industrial users' pollutant loadings and prepare a technical memorandum summarizing the industrial user impacts, pollutant loadings, and opportunities for implementation of BMPs. The memorandum will include any additional recommendations for District-specific decisions such as collecting monitoring data to fill data gaps. The information developed in this evaluation will be used in the pollutants of concern screening (Task 4), in the development of the Local Limits Sampling and Analysis Plan (Task 5) if necessary, and during the local limits development process (Task 7) to consider the impacts of the proposed local limits on the current and future industrial users.

#### **Task 4: Conduct Pollutants of Concern Screening**

LWA will identify all applicable regulations and restrictions that will influence the update and development of local limits, including but not limited to:

- NPDES permit effluent limitations
- Biosolids restrictions
- Treatment process inhibition, including inhibition levels for the to-be-constructed activated sludge system
- Potential recycled water goals.





These regulations and restrictions will provide an initial list of pollutants of concern for consideration for the local limits update. Utilizing the available data identified in Task 2 and industrial user impact information developed in Task 3, LWA will conduct a screening of the initial list of pollutants of concern based on the methodology outlined in the USEPA *Guidance Manual on the Development and Implementation of Local Discharge Limitations under the Pretreatment Program* (1987 Local Limits Guidance). This screening step is not included in the USEPA *Local Limits Development Guidance* (2004 Local Limits Guidance) but is a helpful tool in reducing the number of pollutants for consideration in the local limits update. ***In our experience, LWA has determined that this step serves three critical purposes: 1) narrows the list of pollutants of concern and provides technical justification for the exclusion of pollutants; 2) identifies data gaps where additional monitoring data are needed to supplement the available data; and 3) can provide significant cost savings for not needing to conduct additional pollutant sampling for which local limits are unlikely to be developed or updated.*** Due to the applicability of the California Ocean Plan and the number of effluent limitations in the District's NPDES permit, this step will significantly reduce the number of pollutants that will need to be considered for the local limits study.

LWA will prepare a draft technical memorandum summarizing the existing data and information reviewed in Task 2 and the pollutants of concern screening and provide a final list of pollutants of concern. This will be followed by a final technical memorandum based on a set of consolidated comments received from the District. This technical memorandum will be included as an attachment to the Local Limits Report to document the approach for selecting pollutants of concern for the local limits update. There may be pollutants for which LWA may recommend the removal of an existing local limit if it is justified.

### Task 5: Prepare Local Limits Sampling and Analysis Plan

LWA is aware that some local limits monitoring will be needed to fill data gaps to update the local limits as not all pollutants of concern (from a Pretreatment Program perspective) or sample locations are regularly monitored under NPDES permit monitoring requirements. Following Local Limits Development Guidance, LWA will prepare a Local Limits Sampling and Analysis Plan to collect additional data needed to update and/or develop local limits. For a treatment facility of similar size to the WWTP, Local Limits Guidance generally recommends sampling be conducted for a minimum of two to seven consecutive days depending on the pollutant and sampling location. The pollutant screening (Task 4) will guide the development of the Local Limits Sampling and Analysis Plan, including any reduction in sampling frequency or sampling locations. Typical locations for which data are needed for local limits update and development include the following:

- **Collection System** – At least one representative collection system trunk line that does not contain industrial users is sampled to characterize “uncontrollable” pollutant sources. This information is necessary to accurately calculate the maximum allowable industrial loading (MAIL), which is the maximum pollutant loading accepted at the headworks from industrial (or “controllable”) sources.
- **Headworks** – The influent is sampled to determine pollutants of concern and provide data to conduct headworks loading analyses and calculate treatment process removal efficiencies.
- **Primary Treatment Effluent** – The primary treatment effluent is sampled to provide data to calculate allowable headworks loadings (AHLs) to protect biological treatment processes.
- **Final Effluent** – The final effluent is sampled to provide data to calculate treatment plant removal efficiencies and to calculate AHLs.
- **Anaerobic Digester** – The anaerobic digester is sampled to provide data to convert digester inhibition levels into corresponding AHLs.



- **Biosolids** – The biosolids are sampled to develop AHLs to meet state and federal biosolids disposal regulations.

Additional monitoring for industrial users may be considered in developing the Local Limits Sampling and Analysis Plan. While it is generally not conducted because of the availability of historical data, it may be helpful in assessing the impacts from industrial users and allocating MAILs in the form of local limits.

***LWA will prepare and submit a draft Local Limits Sampling and Analysis Plan to the District for review and comments.*** In developing the Local Limits Sampling and Analysis Plan, LWA will consider all relevant historical data to minimize the amount of additional sampling that will be needed. LWA prefers using historical data in addition to supplemental local limits monitoring data because it can provide temporal information in the local limits update and development process. The Local Limits Sampling and Analysis Plan will identify the pollutants to be sampled, the sampling location, number of samples to be collected and sample bottle types and preservation, expectations on the detection limits from the analytical laboratory, analytical methods, and quality assurance/quality control (QA/QC) requirements, checklists for daily sampling, and general guidelines for representative sampling. Any sampling conducted as part of this effort must adhere to the District's applicable health and safety requirements. ***LWA will participate in a teleconference or video conference call with District staff to discuss the draft Local Limits Sampling and Analysis Plan and address questions or comments that arise. Based on a consolidated set of comments received, LWA will prepare a final Local Limits Sampling and Analysis Plan.***

### **Task 6: Provide Local Limits Sampling Support**

Local Limits Guidance recommends that all sampling be conducted under normal operating conditions during dry weather to mitigate the impacts of inflow and infiltration. Sampling is also expected to follow the flow of the treatment process based on hydraulic residence time (e.g., effluent sampling will be taken after influent sampling and lagged, to the extent practicable, by the hydraulic residence time). It is recommended that at least two people conduct sampling to adhere to clean sampling techniques and for general safety.

LWA will provide two staff persons to implement the sampling outlined in the Local Limits Sampling and Analysis Plan. LWA will procure sampling equipment (e.g., portable composite samplers, sampler tubing, strainers) and coordinate with the analytical laboratory for sample bottle delivery. Analytical costs associated with local limits sampling will be borne by the District and are not included in this proposal.

### **Task 7: Update Local Limits and Prepare Local Limits Report**

LWA will complete an update of the District's local limits, following Local Limits Development Guidance, using site-specific data, historical data, and data obtained from local limits monitoring. LWA will conduct QA/QC checks on the data and data quality before preparing the local limits calculations. The local limits will be based on applicable regulatory requirements and collection system and WWTP performance data. LWA will develop AHLs for each applicable requirement and select the lowest AHL, which will become the MAHL, for each pollutant and will develop the MAILs and present preliminary uniform local limits. ***LWA will prepare a draft local limits report presenting the proposed local limits and technical justification for their establishment. The draft local limits report will be submitted to the District for review.***

LWA will meet with District staff to discuss the draft local limits report, comments on the draft report, concerns with implementation and consideration of industrial users, including using concentration- or mass-based local limits, and next steps. ***Once complete, LWA will prepare a final Local Limits Report that regulatory agencies, including USEPA, may critically review. If necessary, LWA will prepare a revised final local limits report incorporating comments from regulatory agencies.***

### **Task 8: Provide Local Limits Briefing to Industrial Users**





Following the development of the draft local limits (Task 7), LWA will prepare for and brief industrial users in a meeting to discuss the proposed local limits and receive comments. LWA will prepare a PowerPoint presentation providing background on the District's effort, steps taken to update the local limits, and the proposed local limits. LWA is equipped with virtual conferencing platforms, including Zoom, GoToMeeting, Microsoft Teams, and other virtual meeting tools to provide for a comprehensive online meeting experience.

### **Task 9: Present Proposed Local Limits to Board of Directors and Assist with Public Noticing**

LWA will assist the District in the public noticing of the proposed local limits. Following the development of the final local limits (Task 7), LWA will prepare for and present the proposed local limits to the Board of Directors. LWA may utilize the PowerPoint presentation developed in Task 8 with revisions as needed.

### **Industrial User Rate Structure Update**

#### **Task 10: Review and Update Industrial User Rate Structure**

LWA will review the District's current industrial user rate structure, including information developed in the 2019 Pretreatment Program Update Evaluation. LWA will review the Pretreatment Program revenue and expenditures to assess how the District can implement user rates, surcharges, and other fees to provide cost recovery for the Pretreatment Program and considerations for surcharges associated with the activated sludge treatment process when that comes online. ***LWA recently completed industrial user rate evaluations for several agencies and developed a database of industrial user rates, surcharges, and other fees that are charged for Pretreatment Program implementation. LWA will leverage this information for this project to provide the District with a menu of options for cost recovery.*** LWA will prepare a draft technical memorandum summarizing the industrial user rate structure review, including impact on wastewater rates for different customer classifications, options for cost recovery, and recommendations, and submit it to the District for review. LWA will participate in a teleconference or video conference call with the District to discuss comments on the draft memorandum. Based on a consolidated set of comments received, LWA will prepare a final technical memorandum.

### **Pretreatment Ordinance/Sanitary Sewer Use Ordinance Update**

#### **Task 11: Update Pretreatment and Sanitary Sewer Service Use Ordinances**

LWA will review and propose updated Pretreatment and Sanitary Sewer Service Use Ordinances that will incorporate the findings of the local limits update, the 2019 Pretreatment Program Update Evaluation, and include other considerations of the District. LWA will also verify that 40 CFR Part 403 requirements, including 2007 Pretreatment Streamlining Rule revisions, are met and integrate applicable language from the USEPA Model Use Ordinance. In developing the updated ordinances, LWA's approach is to provide municipal agencies with as much flexibility as needed to implement the Pretreatment Program. This approach reduces excess regulation and resources expended (e.g., sampling, inspections) for industrial users and the municipal agency.

***LWA will prepare an updated draft of Pretreatment and Sanitary Sewer Service Use Ordinances submitted to the District and its legal counsel for review.*** LWA will participate in a teleconference or video conference call with the District to discuss its comments on the draft ordinances. Based on a set of consolidated comments received from the District, LWA will prepare the final Pretreatment and Sanitary Sewer Service Use Ordinances that can be presented to the Board of Directors and the District's member agencies.



## Task 12: Review and Update Industrial User Permit Application and Wastewater Discharge Permits

Based on the revisions to the local limits and the ordinances, LWA will review and update the District's industrial user permit application and wastewater discharge permits. LWA will prepare updated templates for these documents and submit them to the District.

### Optional Tasks

#### Task 13: Provide Pretreatment Program Updates to Member Agencies (Optional)

*If requested by the District, LWA will prepare for and provide updates on this Pretreatment Program update effort to the City Councils of Arroyo Grande and Grover Beach and the Oceano Community Services District Board during regularly scheduled meetings.* For the purposes of this scope of work and proposed budget, LWA will participate in up to two (2) City Council hearings or Board meetings for each member agency.

#### Task 14: Provide As-Needed Pretreatment Program Assistance and Support (Optional)

Under this task, LWA will provide additional as-needed Pretreatment Program assistance and support at the District's direction. LWA will provide a scope and cost estimate for any work effort proposed by the District. LWA will not initiate any work under this task unless the District approves the scope and budget. The work effort will be completed under the LWA Billing Rate Sheet, provided in **Section 6.0**.

### Project Management

#### Task 15: Project Coordination and Meetings

LWA will provide monthly status reports throughout the project. In addition to the monthly status reports, LWA will prepare for and participate in periodic status meetings/conference calls with the District to provide updates on project progress, discuss the scope of work, or other topics related to the administration of this project. For this scope of work and proposed budget, ***LWA will participate in up to two (2) meetings and up to two (2) teleconference or video conference calls with the District. These meetings and conference calls are separate from the meetings and conference calls to discuss individual work efforts identified in other tasks.*** As stated previously, the District is encouraged to reach out to the Project Manager at any time to discuss approaches, strategies, and issues that arise during the project.

#### 5.1. Proposed Schedule

LWA has successfully implemented similar schedule approaches on previous projects that have comparable requirements and scope. ***LWA will provide sufficient management resources to track the project schedule and maintain adequate personnel to project completion. If necessary, LWA will work with the District to revise the proposed project schedule during the kick-off meeting (Task 1) to meet the needs and commitments of the District.*** The proposed project schedule is presented in **Table 2** and is based on receiving a Notice to Proceed by August 15, 2021.

Local limits monitoring is expected to occur no later than October 2021 to mitigate the potential for wet weather impacting the sampling effort. Upon completion of the local limits monitoring, it is expected that the analytical laboratory will require approximately one month to provide sample data to the District (or LWA).



**Table 2. Pretreatment Program Update Schedule and Deliverables**

Task	Task Description	Timeframe
1	Conduct Kick-off Meeting and Site Visit	August 2021
2	Review Existing Data and Information and Provide Data Checklist	August 2021
3	Conduct Industrial User Impact Survey and Evaluation	
	Memorandum (Deliverable)	September 2021
4	Conduct Pollutants of Concern Screening	
	Draft Memorandum (Deliverable)	September 2021
	Final Memorandum (Deliverable)	September 2021
5	Prepare Local Limits Sampling and Analysis Plan	
	Draft Sampling and Analysis Plan (Deliverable)	September 2021
	Conference Call with District	September 2021
	Final Sampling Plan (Deliverable)	October 2021
6	Provide Local Limits Sampling Support	October 2021
7	Update Local Limits and Prepare Local Limits Report	
	Draft Local Limits Report (Deliverable)	January 2022
	Meeting with District	January 2022
	Final Local Limits Report (Deliverable)	March 2022
8	Provide Local Limits Briefing to Industrial Users	February 2022
9	Present Proposed Local Limits to Board of Directors and Assist with Public Noticing	February 2022
10	Review and Update Industrial User Rate Structure	
	Draft Memorandum (Deliverable)	February 2022
	Conference Call with District	February 2022
	Final Memorandum (Deliverable)	March 2022
11	Update Pretreatment and Sanitary Sewer Service Use Ordinances	
	Draft Updated Ordinances (Deliverable)	March 2022
	Conference Call with District	March 2022
	Final Updated Ordinances (Deliverable)	April 2022
12	Review and Update Industrial User Permit Application and Wastewater Discharge Permits	
	Updated Industrial User Permit Application and Wastewater Discharge Permit Templates (Deliverables)	April 2022
13	Provide Pretreatment Program Updates to Member Agencies (Optional)	
	City Council Meetings for Arroyo Grande (2 meetings)	TBD
	City Council Meetings for Grover Beach (2 meetings)	TBD
	Oceano Community Services District Board Meetings (2 meetings)	TBD
14	Provide As-Needed Pretreatment Program Assistance and Support (Optional)	TBD
15	Project Coordination and Meetings	
	Project Coordination (including Monthly Status Reports)	Ongoing
	Meetings with District (2 meetings)	TBD
	Conference Calls with District (2 calls)	TBD



## 6.0 Proposed Fee

A summary of the fee to perform the proposed scope of work presented in **Section 5.0** is provided in **Table 3**. Work will be invoiced on a time and materials basis according to the LWA billing rates. Other direct costs included in **Table 3** include materials preparation for meetings, travel, and sampling equipment procurement. Analytical costs associated with local limits sampling (Task 6) will be borne directly by the District. Task 13 (Provide Pretreatment Program Updates to Member Agencies) and Task 14 (Provide As-Needed Pretreatment Program Assistance and Support) are optional tasks. A cost estimate will be provided upon direction from the District for work completed under Task 14. The LWA billing rates are included below and will be used to develop a cost estimate for as-needed Pretreatment Program assistance and support work requested by the District.

LWA will track and verify all expenses and ensure the accuracy of invoices and consistency with the approved fee schedule. LWA will be responsible for resolving discrepancies as necessary.

**Table 3. Detailed Cost Estimate**

Task	Task Description	Labor						Total Hours	Total Labor Costs	Other Direct Costs	Total Cost	Task Total
		Larry Walker Associates										
		Gorman (\$249/hr)	Danielle (\$192/hr)	Ryan (\$180/hr)	Kelsey (\$155/hr)	Adriana (\$128/hr)	Contract Administrator (\$133/hr)					
1	Conduct Kick-off Meeting and Site Visit	6		8				14	\$ 2,934	\$ 300	\$ 3,234	\$ 3,234
2	Review Existing Data and Information	8		8	16			32	\$ 5,912		\$ 5,912	\$ 5,912
3	Conduct Industrial User Impact Survey and Evaluation											
	- Industrial User Impact Survey and Evaluation Memorandum	2		16				18	\$ 3,378		\$ 3,378	\$ 3,378
4	Conduct Pollutants of Concern Screening											
	- Draft Pollutants of Concern Screening Memorandum	2			20			22	\$ 3,598		\$ 3,598	\$ 4,406
	- Final Pollutants of Concern Screening Memorandum	2			2			4	\$ 808		\$ 808	
5	Prepare Local Limits Sampling and Analysis Plan											
	- Draft Sampling and Analysis Plan	4			20			24	\$ 4,096		\$ 4,096	\$ 6,332
	- Conference Call with District	2			2			4	\$ 808		\$ 808	
	- Final Sampling and Analysis Plan	2			6			8	\$ 1,428		\$ 1,428	
6	Provide Local Limits Sampling Support	12		80		80		172	\$ 27,628	\$ 5,000	\$ 32,628	\$ 32,628
7	Update Local Limits and Prepare Local Limits Report											
	- Draft Local Limits Report	12		48	12			72	\$ 13,488		\$ 13,488	\$ 20,016
	- Meeting with District	6		6				12	\$ 2,574	\$ 300	\$ 2,874	
	- Final Local Limits Report	6		12				18	\$ 3,654		\$ 3,654	
8	Provide Local Limits Briefing to Industrial Users	10						10	\$ 2,490	\$ 150	\$ 2,640	\$ 2,640
9	Present Proposed Local Limits to Board of Directors and Assist with Public Noticing	8						8	\$ 1,992	\$ 150	\$ 2,142	\$ 2,142
10	Review and Update Industrial User Rate Structure											
	- Draft Industrial User Rate Structure Evaluation Memorandum	8	24					32	\$ 6,600		\$ 6,600	\$ 8,748
	- Conference Call with District	2	2					4	\$ 882		\$ 882	
	- Final Industrial User Rate Structure Evaluation Memorandum	2	4					6	\$ 1,266		\$ 1,266	
11	Update Pretreatment and Sanitary Sewer Service Use Ordinances											
	- Draft Pretreatment and Sanitary Sewer Service Use Ordinance Updates	8	44					52	\$ 10,440		\$ 10,440	\$ 14,736
	- Conference Call with District	4	4					8	\$ 1,764		\$ 1,764	
	- Final Pretreatment and Sanitary Sewer Service Use Ordinance Updates	4	8					12	\$ 2,532		\$ 2,532	
12	Review and Update Industrial User Permit Application and Wastewater Discharge Permits	1	8					9	\$ 1,785		\$ 1,785	\$ 1,785
13	Provide Pretreatment Program Updates to Member Agencies (Optional)											
	- City Council Meetings for Arroyo Grande (2 meetings)	12						12	\$ 2,988	300	\$ 3,288	\$ 9,864
	- City Council Meetings for Grover Beach (2 meetings)	12						12	\$ 2,988	300	\$ 3,288	
	- Oceano Community Services District Board Meetings (2 meetings)	12						12	\$ 2,988	300	\$ 3,288	
14	Provide As-Needed Pretreatment Program Assistance and Support (Optional)								TBD		TBD	TBD
15	Project Coordination and Meetings											
	- Project Coordination	12					24	36	\$ 6,180		\$ 6,180	\$ 11,460
	- Meetings with District (2 meetings)	16						16	\$ 3,984	\$ 300	\$ 4,284	
	- Conference Calls with District (2 calls)	4						4	\$ 996		\$ 996	
TOTAL FOR ALL TASKS		179	94	178	78	80	24	633	\$ 120,181	\$ 7,100	\$ 127,281	\$ 127,281
TOTAL FOR ALL TASKS EXCLUDING OPTIONAL TASKS		143	94	178	78	80	24	597	\$ 111,217	\$ 6,200	\$ 117,417	\$ 117,417



## 7.0 Acknowledgement, Exceptions, Disqualifications, Insurance Cert

LWA certifies that neither their employees or officers have never been disqualified, removed or otherwise prevented from proposing on or completing a municipal government project for any reason. LWA does not have any exceptions to the RFP, including the Standard Agreement provided in **Attachment A**. LWA certifies that the firm meets the required insurance coverages and amounts listed in the Standard Agreement and will provide proof of insurance within 5 calendar days after notice of selection.

As an officer of LWA, I am authorized to bind this company and affirm that the above statements are true.

Karen Ashby

5/28/2021

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Vice President

\_\_\_\_\_  
Title



## **SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT**

Post Office Box 339 Oceano, California 93475-0339

1600 Aloha Oceano, California 93445-9735

Telephone (805) 489-6666 Fax (805) 489-2765

[www.sslocsd.us](http://www.sslocsd.us)

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May 12, 2021

### **Addendum No. 1 – Notice Requesting Proposals (RFP) for Consulting Services to support the Pretreatment Program Update**

Interested parties are hereby informed that the Request for Proposals issued on May 3, 2021 by the South San Luis Obispo County Sanitation District (District) for the above project has been amended by the following information. A signed copy of this addendum acknowledging the receipt of this addendum shall be included with the Proposal.

### **The following revisions are made to the Request for Proposal Scope of Services and Project Schedule.**

Replace Existing Notice Requesting Proposals with Revised Request for Proposals attached to Addendum No. 1

Revisions to new Request for Proposals include but are not limited to: Scope of Services and Project Schedule.

Any inquiries or comments regarding the RFP should be directed to the District's Plant Superintendent, Mychal Jones, at [mychal@sslocsd.us](mailto:mychal@sslocsd.us).

Signed,

J. Mychal Jones  
Plant Superintendent

Acknowledgement of Addendum No. 1

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Vice President, LWA





# Attachment A. Resumes





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**Gorman Lau, P.E.**

Senior Engineer

**EDUCATION**

M.S., Civil and Environmental Engineering, 2002, University of California, Berkeley

B.S., Civil and Environmental Engineering, 2001, University of California, Berkeley

**REGISTRATIONS**

Civil, California, C69231

**YEARS OF EXPERIENCE**

With LWA: 18

**PROFESSIONAL AFFILIATIONS**

CWEA Member

Mr. Lau is a Senior Engineer with LWA. He has over eighteen years of experience in the environmental engineering field ranging from National Pollutant Discharge Elimination System (NPDES) permitting, wastewater quality, water quality sampling, stormwater quality, and pretreatment. Mr. Lau is primarily responsible for developing/implementing pretreatment programs, developing/evaluating local limits, developing sampling and analysis plans, overseeing water quality sampling projects, analyzing water quality data, assisting in NPDES permit re-issuances and compliance, and assisting in stormwater program management.

**Pretreatment Local Limits Development (2002-Present)**

Evaluated existing local limits and provided recommendations for possible revisions. Developed a sampling and analysis plan for local limits development. Provided oversight and coordination for local limits monitoring. Derived technically- and scientifically-based and updated local limits. Responded to Regional Water Board comments to local limits derivation. Clients include the Cities of American Canyon, Burlingame, Chico, Davis, Grass Valley, Gustine, Lodi, Merced, Modesto, Palo Alto, Palm Springs, Paso Robles, Petaluma, Richmond, San Luis Obispo, San Mateo, Santa Barbara, Simi Valley, South San Francisco, Thousand Oaks, Turlock, and Woodland, Camarillo Sanitary District, Central Contra Costa Sanitary District, Delta Diablo, Goleta Sanitary District, Monterey One Water, Napa Sanitation District, South County Regional Wastewater Authority, Victor Valley Wastewater Reclamation Authority, West County Wastewater District, Western Riverside County Wastewater Reclamation Authority.

**Pretreatment Program Development and Implementation (2002-Present)**

Developed and/or updated Sewer Use Ordinances, Enforcement Response Plans, industrial user permits, industrial user permit applications, industrial user surveys, administrative manuals. Provided guidance on Pretreatment Program implementation. Clients include the Cities of Chico, Grass Valley, Gustine, Lodi, Palm Springs, Richmond, San Mateo, Santa Barbara, Thousand Oaks, and Goleta West Sanitary District, Monterey One Water, Santa Ana Watershed Protection Authority, South County Regional Wastewater Authority, Victor Valley Wastewater Reclamation Authority, and Western Municipal Water District.

**Victor Valley Wastewater Reclamation Authority, Victorville, CA (2021)**

Conducted an evaluation of the Pretreatment Program fee structure. Reviewed revenue and expenditures of the program. Reviewed Pretreatment Program fees charged by other publicly-owned treatment works (POTWs) considering treatment facility size, vicinity, and other factors. Developed an updated Pretreatment Program rate structure based on the findings.

**Pretreatment and Fats, Oils & Grease Program Evaluation, Irvine, CA (2017)**

Evaluated the Irvine Ranch Water District's Pretreatment and Fats, Oils & Grease Program and identified three options for how the District could implement those programs. Evaluated each of these options on various criteria including advantages and disadvantages, resource requirements, and implementation costs. Survey Pretreatment Program fee structure for other POTWs of similar size to assess potential revenue generated for each option. Prepared a report summarizing the study and presented the findings to the District's Board of Directors.



**Wastewater Treatment Facilities Master Plan Update, City of Winters, Winters, CA (2012-2018)**

Prepared an update to the City of Winters Wastewater Treatment Facilities Master Plan to assess wastewater treatment needs in 2036. Evaluated the wastewater generation rate of the current population and future population and developed water balances to determine storage capacity needs for projected recycled water use. Assessed facility needs for five alternatives, developed cost estimates, and identified a recommended alternative. Developed a conceptual level design for a new headworks screen.

**Pretreatment Program Assistance, Santa Ana Watershed Project Authority, Riverside, CA (2019-2020)**

Assisted the Santa Ana Watershed Project Authority (SAWPA) with preparation of wastewater discharge permits for industrial users to the Brine Line.

**Salinity Source Identification Study, Gustine, CA (2011)**

Prepared sampling and analysis plan for collection system sampling to determine sources of salt loading for the City of Gustine Wastewater Treatment Facility. Prepared mass balance and final report that identified salt loading and recommended source control measures to reduce salt loadings in the collection system.

**Salinity Source Identification Study, Vacaville, CA (2011)**

Prepared sampling and analysis plan for collection system sampling to determine sources of salt loading for the California State Prison-Solano. Conducted sampling of collection system at various locations to determine salt loading. Prepared mass balance and final report that identified salt loading and recommended source control measures to reduce salt loadings in the collection system.

**Title 22 Engineering Report (2004-2015)**

Prepared Title 22 Engineering Reports for recycled water programs as required by California Regional Water Quality Control Boards and the California Division of Drinking Water (formerly California Department of Public Health). Clients include the Cities of Calistoga and Los Angeles Donald C. Tillman Water Reclamation Plant.

**NPDES Permit Renewal (2002-Present)**

Assessed and gathered data and completed the Report of Waste Discharge (ROWD) and NPDES permit applications for NPDES permit renewal. Conducted a reasonable potential analysis (RPA) to determine pollutants requiring effluent limitations and calculated the effluent limitations to project potential compliance issues. Calculated and justified use of metals translators and water effect ratios (WERs) for water quality objectives/criteria. Conducted hardness and salinity analyses to determine the appropriate applicable water quality objectives/criteria. These calculations were used to verify Regional Water Quality Control Board (Regional Water Board) findings. Estimated potential monitoring costs for new NPDES permit requirements. Provided technical support during NPDES permit negotiations. Clients include the Cities of Pinole-Hercules, Burlingame, Calistoga, Grass Valley, Lompoc, Manteca, Modesto, Petaluma, St. Helena, and Vacaville, Town of Yountville, Central Contra Costa Sanitary District, Delta Diablo Sanitation District, Napa Sanitation District, East Bay Dischargers Authority, Fairfield-Suisun Sewer District, Rio Vista, Sonoma County Water Agency, and Sacramento County Regional Sanitation District.

**NPDES Permit Compliance Assistance (2002-Present)**

Assisted municipalities in compliance activities with NPDES permits, including, but not limited to, conducting special studies, assisting with monitoring and reporting requirements, determining compliance with effluent limitations, preparing submittals to the Regional Water Boards, and responding to compliance and enforcement issues. Clients include the Cities of Grass Valley, Los Angeles, and Pinole-Hercules and Delta Diablo.

**Metals Translator Study (2005-Present)**

Developed Metals Translator Work Plan to provide guidelines for monitoring activities for the Metals Translator Study. Conducted and oversaw Metals Translator Study sampling efforts and coordinated with plant operators and the analytical laboratory for sampling and sample delivery. Analyzed sample data and produced the Metals Translator Study Report. Clients include the California Steel Industries, Mt. View Sanitary District, Napa Sanitation District, Sonoma Valley Water Agency, and City of Stockton.

**Marin Sanitary District No. 5 Dilution Study, Tiburon, CA (2007)**

Compiled data to conduct a near-field dilution study using CORMIX software for developing NPDES permit effluent limitations. Prepared Dilution Study Final Report for submittal to the Regional Water Board.

**Toxicity Reduction Evaluations/Toxicity Identification Evaluations (2009-Present)**

Conducted Toxicity Reduction Evaluation (TRE) and coordinated Toxicity Identification Evaluations (TIE) to investigate chronic toxicity for *Selenastrum capricornutum* and *Ceriodaphnia dubia*. TRE efforts included evaluating facility operations



and maintenance activities, reviewing facility performance and water quality data, identifying potential pollutants of concern, developing targeted water quality monitoring plans, and identifying potential sources that may cause toxicity. TIE efforts included identifying appropriate treatment steps for testing, coordinating with toxicity testing laboratories to conduct toxicity testing, and preparing reports for the Regional Water Boards. Clients include the Cities of Grass Valley and Lompoc and the United Auburn Indian Community.

#### **Central Valley Clean Water Association Toxicity Special Study (2016-2018)**

Compiled chronic toxicity data collected between January 2011 and March 2017 from 66 Central Valley POTWs to characterize exceedance frequency of chronic toxicity triggers for *Pimephales promelas*, *Ceriodaphnia dubia*, and *Selenastrum capricornutum*. Evaluated the frequency that POTWs were required to undergo accelerated testing, TREs, and TIEs. Assessed the success rate of TREs in identifying the pollutant(s) causing toxicity. Developed alternative tools besides TREs that could be used to better assess source(s) of observed chronic toxicity. Held workshops for stakeholders and regulators to present the findings of the study. Prepared summary report that was attached to CVCWA comments on the State Water Resources Control Board's Statewide Toxicity Policy.

#### **Papers & Presentations**

California Stormwater Quality Association (CASQA) 2006 Conference, *Dry Weather Discharge Diversion Feasibility in the City of Stockton*, September 26, 2006.

California Water Environment Association (CWEA) 2010 Pollution Prevention, Pretreatment, and Stormwater (P3S) Conference, *Local Limits Sampling Plan and Data Analysis*, March 2, 2010.

Interagency Ecological Program (IEP) Annual Workshop, Sacramento, CA, *Does Ammonia Exceed Toxicity Thresholds in the Upper San Francisco Estuary? A Comparison of Ambient Data and Toxicity Thresholds for 1974-2010*, May 25-26, 2010.

California Water Environment Association (CWEA) 2014 Annual Conference, *Salinity Sources from a Prison Facility*, May 1, 2014.

California Water Environment Association (CWEA) Tri-Counties Section Workshop, *Local Limits: Plan of Attack*, June 18, 2015.

California Water Environment Association North Regional Training Conference, *How to Conduct a Local Limits Evaluation*, September 9, 2015.

California Water Environment Association 2016 Pollution Prevention, Pretreatment, and Stormwater (P3S) Conference, *Local Limits Crash Course*, February 29, 2016.

California Water Environment Association 2017 P3S Conference, *Local Limits Crash Course*, February 27, 2017.

California Water Environment Association 2019 P3S Conference, *Alternative Methods for Applying Local Limits*, February 12, 2019.

#### **Work History**

Larry Walker Associates, Inc., 2002-present

University of California Berkeley Capital Projects, 1999-2002



# Danielle Moss

Project Scientist

## EDUCATION

M.S., Hydrologic Science, 2013,  
University of California at Davis,  
Davis, CA

B.S., Geology, 2009, Miami  
University, Oxford, OH

B.A., Chemistry, 2009, Miami  
University, Oxford, OH

## YEARS OF EXPERIENCE

With LWA: 9  
With other Firms: 5 mo.

## PROFESSIONAL AFFILIATIONS

Member, California Groundwater  
Resources Association

Member, National Ground  
Water Association

Member, American  
Geophysical Union

## SPECIALIZED TOOLS

CIWQS  
Geotracker  
MODFLOW and IWFM  
ArcGIS

Ms. Moss is a Project Scientist with LWA and has 10 years of experience in the environmental engineering field providing wastewater, stormwater, and groundwater regulatory assistance. Ms. Moss regularly assists municipalities and agencies with NPDES and WDR water quality data analysis, reporting, pretreatment, and pollution prevention, stormwater regulatory assistance and compliance, special studies, permit negotiations, and groundwater management. She frequently assists wastewater and recycled water clients with preparing localized groundwater monitoring network studies and routine reporting for facilities through CIWQS and Geotracker. Ms. Moss has extensive experience with data collection and assessment and has served as monitoring coordinator and task lead for stormwater, wastewater, and groundwater water quality sampling projects throughout California.

## Wastewater/Regulatory Assistance

### **Pretreatment Inspections and Sampling, City of Richmond, CA. 2021-Present**

Assisted the City with compliance inspections and sampling at multiple significant and non-significant industrial users. Inspections involved reviewing wastewater discharge permits, sewer use ordinance, past inspection reports, sampling data as well as performing the inspection and completing the inspection report write-up. Sampling of the facilities involved coordination with the City and designated labs, composite sampler setup and collecting samples.

### **Local Limits Sampling Plan, Delta Diablo, CA. 2021**

Prepared the Local Limits Sampling Plan that outlined additional sampling needed to update the local limits. The sampling plan identified the pollutants of concern, sampling frequency and locations, analytical details including sampling bottle types, analytical methods, detection limits, and quality assurance/quality control.

### **Regulatory Reporting and Assistance, Victor Valley Wastewater Reclamation Authority, CA. 2017-present**

Assists the VVWRA with the preparation and submittal of annual reports, including Percolation Pond Annual Report, Annual Facilities Report (which includes uploading Self-Monitoring Report data and Discharge Monitoring Report data to CIWQS), and Recycled Water Report. She also assists with required monthly and quarterly SMRs. Created Groundwater Sampling and Analysis Plans for multiple facilities and for PFAS parameters.

### **Monitoring and Regulatory Assistance, City of St. Helena, CA. 2017-present**

Worked with the City to oversee the installation of a groundwater monitoring network around land application of treated effluent and prepared the sampling and analysis plan for associated groundwater monitoring. She led field staff in conducting groundwater and effluent monitoring and provided groundwater sampling training to City staff. She evaluated groundwater fate and transport of constituents and provides quarterly groundwater monitoring reports to the City.



**Regulatory Reporting, East Bay Municipal Utilities District, CA. 2016-present**

Assists the District with semi-annual groundwater reporting and Regional Board negotiations for wastewater treatment facilities by Camanche and Pardee Reservoirs. She has evaluated the effects onsite ponds have on the underlying groundwater including an evaluation of the current groundwater monitoring network and whether the compliance wells and background wells effectively represent groundwater quality under the ponds and upgradient respectively.

**Regulatory Reporting, Russian River County Sanitation District, CA. 2013-present**

Assists with preparing annual recycled water reports and determined impacts to groundwater quality for land application as part of the Waste Discharge Requirements. The effort included annual updates of monitoring data, agronomic rate assessments, assessing changes in groundwater quality to determine if statistically significant changes are occurring both spatially and temporally, and evaluating land discharge effluent quality compared to effluent limitations.

**Regulatory and Monitoring Assistance, City of Palm Springs, CA. 2017-2019**

Assisted with renewal of WDR for wastewater treatment plant as well as required special studies. This included conducting a groundwater monitoring network evaluation determining the adequacy of the upgradient and downgradient monitoring wells. Responsibilities and analysis included selecting monitoring frequency, monitoring locations based on groundwater conditions and quality, and developing a well installation workplan and sampling and analysis plan.

**Dilution Modeling and Pollution Prevention Plan, Department of Water Resource, CA. 2012-2014**

Performed a mixing zone dilution study for William E. Warne Power Plant to determine if power plant discharges meet SIP requirements. Helped coordinate a dye tracer study to obtain mixing data from plant discharges with typical flow rates. The resulting mixing data was modeled using CORMIX and analyzed to determine critical low flows and dilution ratios. Assessed water quality data for metals and chlorinated pollutants to prepare a Pollution Prevention Plan (PPP). Efforts included a summary of influent and effluent quality, graphical presentations of water quality data compared to regulatory limits, a description of pollutant sources, goals, costs, and implementation schedule.

**Lower Santa Clara River Salt and Nutrient Management Plan, CA. 2013 - 2015**

Developed a groundwater monitoring plan for Lower Santa Clara River Basin to comply with Recycled Water Policy basin-wide monitoring requirements. Included selecting constituents, monitoring frequency, and monitoring locations based on groundwater conditions and quality within the basin.

**Groundwater Mixing Model, City of Santa Paula, CA. 2016-2019**

Provided WDR renewal assistance for the City's Water Recycling Facility. Created a groundwater mixing model for the City's Water Recycling Facility to understand the potential impacts of the WRF effluent on underlying groundwater and the fate and transport of chloride. The model accounted for increased recycled water usage and seasonal disposal of effluent in the groundwater basin.

**Wastewater & Groundwater Regulatory Assistance, Helendale Community Service District, CA. 2015 - present**

Ms. Moss is providing technical assistance in helping HCSD with updating their WDR for its percolation ponds and land application at its facility. Facility effluent is of a higher quality than background groundwater quality and successful negotiation has relied heavily on analysis of impacts to groundwater including a water quality assessment and instantaneous mixing model for groundwater.

**Dilution Modeling, Delta Diablo Sanitation District, CA. 2012-2014**

Conducted dilution modeling for the wastewater treatment plant to predict whether or not an increase in effluent average TDS will impact the dilution available for ammonia due to changes in density between effluent and receiving water. The effect a change in flow rate would have with varying effluent TDS concentrations was also calculated. The results were used to predict the projected average effluent TDS concentrations needed to maintain available dilution.

**Watershed Management**

**Central Valley Salinity Coalition – Development of a Preliminary Draft Central Valley-Wide Salt and Nitrate Management Plan, 2012 – 2016**

Served as part of the technical team for the development of a Preliminary Draft Central Valley-wide Salt and Nitrate Management Plan (SNMP). Ms. Moss assisted in all steps of the process including developing the knowledge base, performing the technical analyses, and composing the associated documentation developed as part of the SNMP that will form the basis for corresponding Basin Plan Amendments (BPAs) to the Water Quality Control Plans (Basin Plans) for the Sacramento/San Joaquin Basin and Tulare Lake Basin. The technical work developed as a part of this project will also





provide information to support more detailed, sub-regional analyses that may be undertaken in the future by local stakeholder groups if they choose to develop local SNMPs.

**Central Valley Salinity Coalition – Development of a Basin Plan Amendment for Salt and Boron in the Lower San Joaquin River, 2013 – 2015**

Technical Task Lead to guide the development of a Basin Plan Amendment (BPA) for salt and boron in the Lower San Joaquin River (LSJR). Ms. Moss worked with multiple stakeholders and regulatory and partner agencies. She performed and oversaw the technical work, which included defining the beneficial uses of the LSJR, evaluating the range of potential water quality objectives (WQOs), proposing WQOs for salinity and boron that are protective of the most sensitive use(s), and evaluating (through modeling) the range of implementation mechanisms that may be necessary to ensure the objectives are met. The technical work from this project provides the basis for a subsequent BPA to the Water Quality Control Plan (Basin Plan) for the Sacramento/San Joaquin Basin.

**Lower Santa Clara River Salt and Nutrient Management Plan, 2013 - 2015**

Developed a groundwater monitoring plan for the Lower Santa Clara River Basin to comply with Recycled Water Policy requirements. Responsibilities and analysis included selecting constituents, monitoring frequency, and monitoring locations based on groundwater conditions and quality within the basin.

**Experience Prior To Larry Walker Associates**

**UC Davis, Davis, CA, 2009 - 2012**

“Groundwater Pumping and Streamflow in the Yuba Basin, Sacramento, CA”. As part of a project grant from the Department of Water Resources (DWR) Ms. Moss modeled ground water and surface water changes due to pumping and conjunctive use using Central Valley wide regional MODFLOW and IWFM numerical models. She analyzed regional groundwater levels using large public databases and coded pre- and post-processing routines. To complete the tasks she utilized integrated groundwater-surface water models, ArcGIS, and Fortran.

**United States Geological Survey, Menlo Park, CA, May 2009 – Sept. 2009**

“Evaluating the Preferential Component of Aquifer Recharge at a Site Dominated by Sand Deposits and a Shallow Water Table” Working as a hydrologist with the USGS, she took unsaturated zone soil cores and performed Particle Size Distribution analysis. Designed and conducted a targeted vadose zone infiltration experiment using Electrical Resistivity Tomography.

**Miami University, Oxford, OH, 2008 - 2009**

“Introduction of Relatively High Conductivity Material and the Effects on TCE Degradation and Remediation”. As an undergraduate researcher, she monitored and modeled the natural attenuation of Trichloroethene and its degradation products at a heterogeneous aquifer contaminant site using conceptual and numerical models. She performed CVOC field sampling and lab analysis, pumping tests, slug tests, and installed a shallow monitoring well.

**Papers & Presentations**

**American Geophysical Union’s Fall Meeting, San Francisco, CA 2011**

*Groundwater Pumping and Streamflow in the Yuba Basin, Sacramento Valley, California*

**Miami University Undergraduate Research Conference, Oxford OH 2009, and NGWA Ground Water Summit, Tucson, Arizona 2009**

*Introduction of Relatively High Conductivity Material and the Effects on TCE Degradation and Remediation*

**Work History**

Larry Walker Associates Inc. 2012–present

UC Davis, Davis, CA, 2009-2012

United States Geological Survey, Menlo Park, CA, 2009

Miami University, Oxford, OH, 2008-2009



# Kelsey McNeill

Project Engineer I-B

## EDUCATION

MSc. Civil and Environmental Engineering, 2018, University of California, Berkeley

B.S. Geological Engineering, 2016, Queen's University, Kingston

## YEARS OF EXPERIENCE

With LWA: 2.5  
With other Firms: <1

## PROFESSIONAL AFFILIATIONS

Member, Groundwater Resources Association

Ms. McNeill is a Project Engineer with Larry Walker Associates (LWA). She is involved in projects related to stormwater, wastewater, groundwater and agriculture. She has participated in multiple monitoring, data analysis and reporting efforts. Ms. McNeill joined LWA following completion of her graduate studies at UC Berkeley. Descriptions for her project work at LWA are provided below.

## Wastewater

### **El Dorado Irrigation District Local Limits Studies (2021)**

Conducted local limits evaluations for El Dorado Hills Wastewater Treatment Plant and Deer Creek Wastewater Treatment Plant and developed associated sampling plans. Prepared local limits sampling and analysis plans.

### **City of Simi Valley Local Limits Evaluation (2020)**

Assisted in conducting a local limits evaluation for Simi Valley through compilation and analysis of wastewater data.

### **City of Palm Springs, Pretreatment Administrative Procedures Manual (2019)**

Assisted development of an updated Pretreatment Administrative Procedures Manual for the City of Palm Springs, which included the procedures and minimum requirements for the Industrial Pretreatment Program.

### **City of Thousand Oaks, Local Limits Sampling Plan (2019)**

Developed a sampling plan for the City of Thousand Oaks, including sampling locations, frequencies and field controls.

### **City of Burlingame, Local Limits Evaluation (2018-2019)**

Supported a local limits evaluation for Burlingame through data analysis tasks including load calculations and statistics.

### **Combined Sewer System, City of Sacramento (2018-2019)**

Supported and led sampling events for Sacramento's Combined Sewer System. Conducted sample collection and maintained and calibrated monitoring equipment. Conducted data formatting and QA/ QC prior to submittal through CIWQs.

## Groundwater

### **County of Siskiyou Groundwater Sustainability Plans (2019-Present)**

Supported development of the groundwater sustainability plan (GSP) for the Scott Valley Groundwater Basin, due in January 2022. Ms. McNeill is responsible for contributing to chapter content and compiling relevant information previously completed studies, legislative documents and other relevant sources. She has also supported efforts on the Butte and Shasta Valley GSPs.

### **City of St. Helena Groundwater Monitoring Support (2018)**

Conducted groundwater monitoring activities for the City of St. Helena. Responsibilities included water sample collection, field data collection and field meter and sensor operation. Groundwater monitoring was conducted proximal to the land application area where treated effluent is discharged to support characterization of groundwater quality and elevation.





## **TMDLs, Stormwater and Watershed Programs**

### **Stormwater Annual Reports (2019-Present)**

Assisted in the development of annual reports and effectiveness assessments for stormwater clients. Project work has included compilation and analysis of data for stormwater program metrics recommendations for stormwater program improvements.

#### **Butte County (2021)**

Supported development of a Field Operation and Maintenance Plan, a Landscape Maintenance Design Guide, and an Illicit Discharge and Spill Response Plan for the Butte County stormwater program.

#### **Ventura County Agricultural Irrigated Lands Group (2020)**

Compiled and analyzed data to support annual reporting efforts and developed text based on these results. Summarized monitoring results and benchmarks to include in annual reporting.

#### **Adaptive Management Plan Development (2020)**

Supported development of adaptive management plans for Ballona Creek, Dominguez Channel and Santa Monica Bay Jurisdictional Group 2 and 3 for the 2019-2020 Reporting Year. This involved review and analysis of sampling data, and associated discussion, for inclusion in annual reports.

#### **City of Elk Grove Corporation Yard SWPP Monitoring (2019-2021)**

Conducted monitoring at the Elk Grove Corporation Yard to collect field data and samples to satisfy requirements in the National Pollutant Discharge Elimination System (NPDES) Industrial General Permit. This involved field sample collection and data summary.

#### **Sacramento Stormwater Quality Partnership, City of Sacramento**

Supported development of the Sacramento Stormwater Quality Partnership's (SSQP) Pyrethroid Management Plan and Baseline Monitoring Report including summary of applicable regulations, previous monitoring activities and results and summary of relevant studies. Assisted in developing the trash section for the SSQP Reasonable Assurance Analysis (RAA) report. Responsibilities included integrating results from individual trash implementation plans within the RAA framework.

#### **City of Elk Grove Track 2 Trash Implementation Plan (2018)**

Assisted in developing a Track 2 Trash Implementation Plan for the City of Elk Grove. Responsibilities included report construction, with reference to the regulatory framework and compliance approach.

#### **Contra Costa Visual Trash Assessments (2018-Present)**

Conducted Overland Visual Trash Assessments (OVTA's) for the Contra Costa County to support trash monitoring efforts.

## **Agriculture**

### **Sacramento Valley Water Quality Coalition Annual Monitoring Report and Management Plan Progress Report (2020)**

Contributed to writing the Annual Monitoring Report and Management Plan Progress Report for the Sacramento Valley Water Quality Coalition. This involved updating site information, compilation and summary of monitoring data and summary and graphical presentation of precipitation and flow data.

#### **Management Plan Requests for Completion (2019)**

Assisted in writing several requests for completion of management plans for monitoring locations in Sacramento Valley for the legacy organochlorine (OCL) dichlorodiphenyldichloroethylene (DDE (p,p')).

## **Work History**

Larry Walker Associates, Inc., September 2018-Present

Fluid Intelligence (2018)



# Ryan Parks

## Project Scientist

### EDUCATION

Masters of Environmental Management, Water Resources Concentration, 2019, Nicholas School of the Environment, Duke University, Durham, NC  
B.S., Chemistry, Environmental Concentration, 2014, University of Montana, Missoula, MT

### YEARS OF EXPERIENCE

LWA: 2 Years  
Other Organizations: 3 Years

### SPECIALIZED TOOLS

ESRI ArcGIS  
R / RStudio

Microsoft Access

### PROFESSIONAL AFFILIATIONS

Member, California Stormwater Quality Association (CASQA)  
Member, California Water Environment Association (CWEA)  
Member, Water Research Foundation (WRF)

Ryan Parks is a Project Scientist working out of LWA's Ventura office. Mr. Parks supports LWA's clients with monitoring plan development and implementation, data management and analysis, watershed planning, and annual report development. Mr. Parks joined LWA after completing his graduate degree at Duke University's Nicholas School of the Environment. Prior to joining LWA, Mr. Parks' experiences covered a range of topics including watershed management, industrial wastewater treatment, federal wetland policy, and ecological assessment of aquatic systems.

### Wastewater

#### **Chloride Management Regulatory Support, City of Santa Paula, CA. 2019-Present**

Support the City of Santa Paula in developing a regulatory strategy for addressing chloride concentrations in effluent discharged to ground. Evaluate available data on effluent and groundwater quality, beneficial uses, and chloride mitigation options. Developed a report to the Los Angeles Regional Water Quality Control Board synthesizing available information and proposing development of a Site-Specific Objective (SSO).

#### **Local Limits Evaluation, Delta Diablo, 2020**

Supported evaluation of local limits for Delta Diablo, including determination of Pollutants of Concern (POCs) calculation of influent loads, statistical analysis of data, comparison against Maximum Allowable Headworks Loads, and production of a technical memo containing recommendations for future local limits development and monitoring.

#### **Local Limits Evaluation, City of South San Francisco, 2019**

Supported evaluation of local limits for the City of South San Francisco and City of San Bruno, including determination of Pollutants of Concern (POCs) calculation of influent loads, statistical analysis of data, comparison against Maximum Allowable Headworks Loads, and production of a technical memo containing recommendations for future local limits development and monitoring.

#### **Recycled Water Use Site Report, City of Lompoc, 2019**

Prepared a report detailing the proposed use of recycled water for landscape irrigation under the guidelines established by CCR Title 22 Section 60323.

### Watershed Management/TMDLs

#### **Revolon Slough Selenium Special Study, Ventura County, 2019 – Present**

Designed and coordinated implementation of a study to determine a site-specific selenium water column target concentration based on tissue-based criteria recently published by USEPA. Analyze water quality, fish tissue, and algal data generated by the study to support TMDL revision.

#### **Revolon Slough Copper Biotic Ligand Model, Ventura County, 2020 – Present**

Coordinate implementation of a study collecting information required to run USEPA's biotic ligand model for copper and develop a site-specific copper objective

#### **Human Fecal Marker Special Study, Ventura County, 2019 – 2021**

Designed and implemented a study evaluating the magnitude and distribution of human fecal marker (HF183) and fecal indicator bacteria (FIB) concentrations in receiving waters and at representative land use sites within the Calleguas Creek watershed.



#### **Malibu Creek Nutrients TMDL Special Study Work Plan, 2021**

Contribute to development of a work plan for a special study that aims to reevaluate key assumptions of TMDLs for nutrients and benthic community impairments in Malibu Creek. Integrated regulatory background, emerging science and regulatory frameworks, and available tools to create a Work Plan that clearly links Study components to regulatory outcomes.

#### **Agua Hedionda Monitoring Frameworks, City of Carlsbad, 2020 – Present**

Developed frameworks for monitoring that will support implementation of Water Quality Improvement Plan (WQIP) strategies for protecting SHELL and REC-1 beneficial uses in Agua Hedionda Lagoon. Worked with Responsible Agencies (RAs) to refine monitoring questions and developed general data collection approaches that would result in defensible and unambiguous results that support the phased approach outlined in the WQIP. Helped communicate the logic and intent of monitoring frameworks to Regional Board staff in order to gain support and ensure that monitoring remains focused on answering clearly stated questions.

#### **Ventura County Irrigated Lands Group (VCAILG) Monitoring Program, Ventura County Farm Bureau, 2019 – Present**

Contribute to development of Annual Monitoring Reports and the 2020 iteration of the Water Quality Management Plan through extensive review and analysis of surface and groundwater quality data. Generate figures conveying water quality trends and comparison to applicable compliance targets and allocations established in the *Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands within the Los Angeles Region (Conditional Waiver)*.

#### **Calleguas Creek Watershed TMDL Compliance Monitoring Program, Ventura County, 2019 – Present**

Contribute to Annual Monitoring Reports through extensive review and analysis of water quality, toxicity, sediment, and fish tissue data, including comparison to applicable compliance targets and allocations.

#### **Pilot Bacteria Study, City of Los Angeles, CA 2019**

Supported development of a Scope of Work and Workplan for a special study that would evaluate the presence and public health significance of pathogens and risk indicators in the City's inland and marine waters. Conducted a review of literature on epidemiology, modeling, and analytical techniques as they relate to the quantification of health risks in recreational waters. Provided input on study design and logistics. Study intended to serve as a pilot for a larger region-wide study.

#### **San Luis Rey River Mouth Bacteria TMDL Evaluation, San Diego County, 2019**

Assessed bacteriological data collected at the San Luis Rey River mouth to determine the County's potential exposure under impending TMDL compliance requirements. Developed compliance evaluation scenarios and co-authored a Technical Memoranda communicating the findings of the evaluation to the County.

#### **Stormwater**

#### **Upper San Gabriel River CIMP Monitoring and Reporting, Los Angeles County, 2019 - Present**

Support development of annual reports through management, QA/QC, and analysis of water quality data collected in accordance with the Coordinated Integrated Monitoring Program for the Upper San Gabriel River Watershed. Perform analyses including exceedance identification and TMDL attainment analysis, among others. Generate CEDEN formatted, quality checked data files for official submittal.

#### **Upper Santa Clara River EWMP Update, City of Santa Clarita, 2021**

Supported updates to the Upper Santa Clara River Enhanced Watershed Management Plan (EWMP) including reevaluation of water quality priorities, as required by the 2021 Los Angeles Regional MS4 Permit.

#### **North Santa Monica Bay Coastal Watersheds EWMP Update, City of Malibu, 2021**

Supported updates to the Upper Santa Clara River Enhanced Watershed Management Plan (EWMP) including reevaluation of water quality priorities, as required by the 2021 Los Angeles Regional MS4 Permit.

#### **Integrated Planning Framework, City of San Diego, 2020**

Outlined an evaluation process that the City of San Diego can use to identify a preferred alternative approach to meeting its stormwater compliance requirements through an Integrated Plan. Reviewed existing planning documents in the San



Diego Region (e.g. WQIPs, Watershed Asset Management Plans, Watershed Management Plans) to coordinate integrated planning priorities and leverage the data and analyses generated by existing planning efforts.

#### **SWPPP Update, City of Ukiah, 2019**

As required by a Level 1 Exceedance Response Action (ERA), updated the City of Ukiah Wastewater Treatment Plant's Stormwater Pollution Prevention Plan (SWPPP) to reflect changes in plant operations and the Industrial General Permit, and to adapt the SWPPP to the standard format developed by the California Association of Stormwater Quality Administrators (CASQA).

#### **Regulatory Support**

##### **Regulatory Support, Stakeholders Implementing TMDLs in the Calleguas Creek Watershed, Ventura County, 2019 – Present**

Reviewed Basin Plan Amendments proposed by the Los Angeles Regional Water Quality Control Board (i.e., revision of bacteria objectives) and drafted comments and proposed alternative language that were incorporated by the Regional Board into the final adopted Basin Plan Amendment.

#### **Water Quality Monitoring**

##### **Calleguas Creek Salts TMDL Monitoring, Ventura County, 2019 – Present**

Maintain in-situ monitoring equipment recording continuous stage and conductivity measurements used to calculate salt export from the watershed. Collect monthly grab samples and flow measurements to establish surrogate relationships between conductivity and specific constituents and maintain an accurate rating curve.

##### **Malibu Creek Watershed CIMP Monitoring, City of Agoura Hills, 2019 – Present**

Conducted wet and dry weather monitoring of receiving waters and outfalls in accordance with the Coordinated Integrated Monitoring Program for Malibu Creek Watershed.

##### **Ventura Co. Irrigated Lands Group (VCAILG) Monitoring, Ventura County Farm Bureau, 2019 – Present**

Conducted wet and dry weather monitoring of receiving waters and representative land use sites in accordance with VCAILG's *Conditional Waiver*.

##### **Upper Los Angeles River CIMP Monitoring, City of Los Angeles, CA. 2019 – 2020**

Conducted wet weather outfall sampling in accordance with the ULAR CIMP and conducted dry weather outfall screening for *E. coli* as part of a Load Reduction Strategy project to address the Los Angeles River Bacteria TMDL.

#### **Work History**

Project Scientist, Larry Walker Associates, Inc, 2019-present.

Water Data Analysis Intern, The Nature Conservancy, 2018

ORISE Research Fellow, USEPA Region 6, 2017

Wastewater Operator, UTC Aerospace Systems (Contract), 2016 - 2017

Biological Assessment Intern, Natura et Cultura, 2016

Environmental Technician, Inland Empire Paper Company, 2014 – 2015



# Adriana Stovall

Project Scientist I

## EDUCATION

B.S., Environmental Science  
and Resource Management

California State University,  
Channel Islands  
(Expected December 2021)

A.A.,  
Natural Sciences, Ventura  
College

Environmental Studies  
Proficiency Award, Ventura  
College

## YEARS OF EXPERIENCE

With LWA: 11  
With other Firms: 4

Ms. Stovall is a Project Scientist with a strong background of Water Quality Monitoring, Watershed Management/TMDL, Regulatory and Data Management experience. Ms. Stovall has expertise in the implementation and management of multiple monitoring programs and has successfully completed over 300 monitoring events for a variety of clients, constituents and methodologies. Her experience is specialized within Southern California, and provides her with comprehensive knowledge of local projects, watersheds and their regulatory history. Ms. Stovall manages the majority of LWA's monitoring equipment and supplies, leads regional monitoring training sessions and trains incoming staff on safety and project-specific protocols. She also manages the calendar of regional field event schedules and is the Monitoring and Special Studies workgroup assistant coordinator. Prior work experience includes water resources conservation and outreach program implementation.

## Wastewater

### **Western Riverside County Regional Wastewater Authority, Local Limits Analysis 2020.**

Monitoring for industrial local limits sampling. Sampling of water quality and biosolids throughout the WRCRWA facility for industrial local limits project.

## Monitoring Experience

### **Malibu Creek Watershed Coordinated Integrated Monitoring Program, 2016-Present.**

Wet and dry weather implementation of the watershed-wide monitoring program in response to the Los Angeles County Municipal Separate Storm Sewer System (MS4) Permit. Coordination with Watershed Group, multiple analytical laboratories and subconsultants to conduct receiving water monitoring, non-stormwater outfall screening as well as non-stormwater outfall source identification monitoring. Ms. Stovall has been the field lead for all CIMP monitoring events and has provided training to several staff. Pre-event activities include preparation of sampling supplies, equipment calibration, and coordination with courier to ensure delivery of samples to multiple analytical laboratories within proper hold times. Monitoring duties include flow measurements, site observations and water quality sample collection. Ms. Stovall also produced several Technical Memos outlining the results of the NSW Outfall Source Identification efforts, and assists with annual compliance reports.

### **Ventura County Agricultural Irrigated Lands Group (VCAILG) 2011-Present.**

Wet and dry weather monitoring preparation and implementation on behalf of the Ventura County Agricultural Irrigated Lands Group (VCAILG) in response to multiple Ventura County TMDLs in which agriculture is a responsible party. Ms. Stovall has been the field lead for all VCAILG monitoring events and has provided training to several staff. Pre-event duties include preparation of multi-team sampling supplies, equipment calibration, and coordination with courier to ensure delivery of samples to multiple analytical laboratories within proper hold times. Monitoring duties include flow measurements, site observations and water quality sample collection. Ms. Stovall also assists in the preparation of Annual Monitoring reports and other compliance documents.



**Calleguas Creek Watershed Salts TMDL, 2015-Present.**

Monthly field monitoring and equipment maintenance at 5 sites along the various reaches of the Calleguas Creek Watershed. Program includes continuous real-time monitoring of salt concentrations and discharge using a watershed-wide network of multi-sensor sondes equipped with telemetry. Field duties include pre/post event equipment calibration, field observations, flow measurements according to USGS standards, sensor cleaning and channel maintenance to allow proper sediment flushing and water flow along sensor location which maintains rating curve. Maintenance of these sondes is required during each monthly field event, along with periodic installation of equipment components.

**Surface and Groundwater Interactions in Arroyo Las Posas, 2014-2020.**

Wet and dry weather sample collections and biweekly field monitoring during a study to delineate the losing and gaining reaches of the Arroyo Las Posas and Arroyo Simi, and quantify daily volumes of surface water and groundwater exchanges. Work is conducted in support of groundwater management and water supply planning in the Calleguas Creek Watershed, on behalf of Calleguas Municipal Water District and the Las Posas Water Users Group.

**City of Los Angeles Bureau of Sanitation Watershed Protection Division, 2015-Present.**

Conducted dry weather sampling of flowing outfalls discharging into the Los Angeles River Segment E and Compton Creek for *E. coli* as part of a Load Reduction Strategy project to address the Los Angeles River Bacteria TMDL. Pre-event duties include preparation of multi-team sampling supplies, equipment calibration, and coordination with courier to ensure delivery of samples to analytical laboratory within proper hold time. Monitoring duties include flow measurements, site observations, outfall location, multi-team navigation/coordination, and bacteria sample collection. Ms. Stovall also provides general program coordination and administrative support for the City of Los Angeles.

**City of Redondo Beach Santa Monica Bay Marine Debris TMDL, 2016-Present.**

Coordination with the City of Redondo Beach to implement their non-point source compliance monitoring program, and overall watershed planning efforts. Conduct monthly monitoring events at 7 sites, including management of cleanup crew, field observations, photos and SWAMP Rapid Trash Assessment Worksheets. Provide institutional control/BMP recommendations, provide representation for the City to the Regional Board for programmatic changes, and produce annual compliance reports.

**Revolon Slough/Beardsley Wash Trash TMDL, 2015-2018.**

Lead multiple monitoring efforts per month in accordance with the Calleguas Creek Trash TMDL. Oversees the California Conservation Corps to ensure that the Minimum Frequency of Assessment and Collection/ BMP Program is being conducted in accordance with TMDL requirements. Monitoring approach is a streamlined visual survey of trash levels at 5 sites within Revolon Slough and Beardsley Wash. Provide institutional control/BMP recommendations, coordination with the stakeholder group for program improvements, adaptive management, and produce annual monitoring and compliance reports.

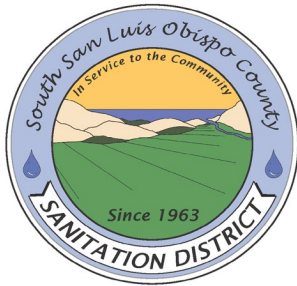
**Work History**

Larry Walker Associates Inc. 2009-Present  
City of Oxnard – Water Resources Department, 2005-2009

**References**

Geraldine Trivedi, Civil Engineer, City of Redondo Beach, (310) 318-0661 x2036  
Ewelina Mutkowska, Stormwater Manager, County of Ventura, (805) 645-1382





# **SOUTH SAN LUIS OBISPO COUNTY SANITATION DISTRICT**

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## **STAFF REPORT**

**Date:** August 4, 2021  
**To:** Board of Directors  
**From:** Jeremy Ghent, District Administrator; Mychal Jones, Plant Superintendent  
**Subject:** **DISTRICT ADMINISTRATOR AND PLANT OPERATIONS REPORT**

This report represents ongoing information on the latest District staff activities on major capital projects and studies, programmatic initiatives, regional collaboration, miscellaneous activities, and Plant Operations. *Updates since the last report are provided in italics below:*

### **Capital Projects:**

#### **Redundancy Project:**

- *Mass excavation is largely complete.*
- *Work has begun on the Load Transfer Platform for the new Secondary Clarifier.*
- *Rebar and concrete work are expected to begin the first week of August.*
- *No major change orders or schedule delays.*
- *Quarterly update to be provided on 9/1*

#### **Central Coast Blue:**

- *No Update*

### **Misc:**

- The Plant was audited by the Regional Water Quality Control Board on 06/29/2021. RWQCB Staff reviewed several components of plant operations including previous violations, plant conditions, our preventive maintenance program, standard operating procedures, lab conditions, chemical storage, etc. The District expects to receive a report from the RWQCB in the coming month that will reveal any findings. *District Staff Checked in with RWQCB staff and confirmed that the report is delayed and is expected be issued during month of August.*

### **Plant Tours:**

*None*

### **Tentative Items:**

- *Quarterly update on Redundancy Project 9/1/2021*



## Plant Operations Report

During this reporting period (July 1<sup>st</sup> – July 28<sup>th</sup>) the District's facility exceeded its NPDES Permit limit for daily maximum fecal coliform on July 14, 2021. The Regional Water Quality Control Board has been notified. *All other process values were within Permit limitations.*

**Monthly Plant Data for July 2021**

July 2021	INF Flow MGD	INF Peak Flow MGD	INF BOD mg/L	EFF BOD mg/L	BOD % Removal	INF TSS mg/L	EFF TSS mg/L	TSS % Removal	Fecal Coliform MPN/100 mL	Chlorine Usage lbs/day
Low	2.29	3.4	516	19.7		430	22.5		<1.8	63
High	2.6	4.3	675	28.2		675	29.7		*16000	375
July 2021 AVG	2.39	3.77	570	24.3	95.7	546	26.4	95.2	864	209
July 2020 AVG	2.37	3.63	552	27.1	95.1	612	32.1	94.8	187	263
Limit	5.0			40/60/90	>80		40/60/90	>80	2000	

### **Exceedance\***

#### Fecal Coliform Daily Maximum

The District exceeded its NPDES Permit for daily maximum fecal coliform bacteria. On July 15th, District laboratory staff recorded a fecal coliform bacteria value of 16,000 MPN/100mL for July 14<sup>th</sup>.

The cause of the exceedance was due to lowering the fixed film reactor (FFR) feed pumps to perform routine maintenance on the distributor drive. Lowering the feed pumps also lowered the recirculation rate at the FFR which was the probable cause of the high fecal coliform bacteria. Following the exceedance, fecal coliform analysis has returned to well within permit limitations.

To prevent reoccurrence, Operations staff have been notified that while performing routine maintenance on the FFR distributor drive we can no longer lower the lone feed pump. In addition, maintenance and oil sampling frequency will be mitigated upon completion of the Redundancy Project. Once the District's Redundancy Project is complete, the District will be able to fully bypass the FFR to perform maintenance and rehabilitation while maintaining full treatment of the waste stream.

No mandatory minimum penalty will be assessed to the District from the Water Board for this exceedance.

### **Operation and Maintenance Tasks**

- Reviewed and marked Underground Service Alerts
- Electricraft installed a new outlet in preparation for new laboratory furnace
- Jackhammered and removed debris to locate water line leak at water heater
- Nate's Plumbing repaired leaking water heater water line and installed new water heater
- Advanced Flosystems performed annual calibration of all flow meters
- Thoroughly cleaned area around rental centrifuge
- Installed new pressure gauge on water pump
- Installed new PVC chlorine line and bypass line at chlorine contact tank

- Shutdown digester mixing pump and shut associated valves in preparation for cleaning of Digester No. 2 mixing line
- Thoroughly cleaned maintenance shop
- Prepared District centrifuge for operation
- Performed a confined space entry to remove a large piece of debris blocking flow in the District's trunk main

#### **Work Orders Completed**

- Rinsed all surfaces of clarifiers
- De-ragged primary sludge pumps
- Flushed all sump pumps throughout plant
- Test ran emergency generator and emergency bypass pump
- San Luis Powerhouse performed annual load test of emergency generator
- Inspected and cleaned FFR orifices and replaced oil in distributor drive
- Cleaned and cleared debris at effluent junction box
- Exercised effluent pumps
- Calibrated backup chemical systems
- Preventative Maintenance:
  - Plant carts
  - Digester mixing pump
  - 6" trash pump
  - Clarifier drives
  - Water champ
  - Digester vacuum/pressure relief valves
  - Front Loader

#### **Training**

- First Aid Training (CPR)
- Emergency Work Plan

#### **Call Outs**

No call outs this reporting period

#### **Digester No. 2 Rehabilitation Project**

The Digester No. 2 Rehabilitation Project has been completed. District Operation staff will begin placing the digester back into normal operation the week of August 2<sup>nd</sup>. Some photos of the project have been attached below.











