

**CITY OF OCEANSIDE**

**PROFESSIONAL SERVICES AGREEMENT**

**PROJECT: ON CALL TECHNICAL MUNICIPAL STORMWATER  
COMPLIANCE CONSULTING SERVICES - 750762711**

THIS AGREEMENT, dated \_\_\_\_\_, 20\_\_\_\_ for identification purposes, is made and entered into by and between the CITY OF OCEANSIDE, a municipal corporation, hereinafter designated as "CITY", and D-MAX ENGINEERING, INC., hereinafter designated as "CONSULTANT."

**NOW THEREFORE, THE PARTIES MUTUALLY AGREE AS FOLLOWS:**

1. **SCOPE OF WORK.** The CONSULTANT desires to provide on call technical municipal stormwater compliance consulting services as is more fully described in CONSULTANT'S proposal dated March 10, 2025, attached hereto and incorporated herein as Exhibit A.
2. **INDEPENDENT CONTRACTOR.** CONSULTANT'S relationship to the CITY shall be that of an independent contractor. CONSULTANT shall have no authority, express or implied, to act on behalf of the CITY as an agent, or to bind the CITY to any obligation whatsoever, unless specifically authorized in writing by the CITY. CONSULTANT shall be solely responsible for the performance of its employees, agents, and subcontractors under this Agreement, including the training of each employee regarding the rights and responsibilities of an employer and employee for any potential discrimination or harassment claim under state or federal law. CONSULTANT shall report to the CITY any and all employees, agents, and consultants performing work in connection with this project, and all shall be subject to the approval of the CITY.
3. **WORKERS' COMPENSATION.** Pursuant to Labor Code section 1861, the CONSULTANT hereby certifies that the CONSULTANT is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and the CONSULTANT will comply with such provisions, and provide certification of such compliance as a part of this Agreement.
4. **LIABILITY INSURANCE.**
  - 4.1. CONSULTANT shall, throughout the duration of this Agreement maintain comprehensive general liability and property damage insurance, or commercial

**ON CALL TECHNICAL MUNICIPAL STORMWATER COMPLIANCE  
CONSULTING SERVICES - 750762711**

general liability insurance, covering all operations of CONSULTANT, its agents and employees, performed in connection with this Agreement including but not limited to premises and automobile.

**4.2** CONSULTANT shall maintain liability insurance in the following minimum limits:

Comprehensive General Liability Insurance  
(bodily injury and property damage)

Combined Single Limit Per Occurrence	\$ 2,000,000
General Aggregate	\$ 4,000,000*

Commercial General Liability Insurance  
(bodily injury and property damage)

General limit per occurrence	\$ 2,000,000
General limit project specific aggregate	\$ 4,000,000

<u>Automobile Liability Insurance</u>	\$ 2,000,000
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\*General aggregate per year, or part thereof, with respect to losses or other acts or omissions of CONSULTANT under this Agreement.

**4.3** If coverage is provided through a Commercial General Liability Insurance policy, a minimum of 50% of each of the aggregate limits shall remain available at all times. If over 50% of any aggregate limit has been paid or reserved, the CITY may require additional coverage to be purchased by the CONSULTANT to restore the required limits. The CONSULTANT shall also notify the CITY promptly of all losses or claims over \$25,000 resulting from work performed under this contract, or any loss or claim against the CONSULTANT resulting from any of the CONSULTANT'S work.

**4.4** All insurance companies affording coverage to the CONSULTANT for the purposes of this Section shall add the City of Oceanside as "additional insured" under the designated insurance policy for all work performed under this agreement. Insurance coverage provided to the City as additional insured shall be primary insurance and other insurance maintained by the City of Oceanside, its officers, agents, and employees shall be excess only and not contributing with insurance provided pursuant to this Section.

**4.5** All insurance companies affording coverage to the CONSULTANT pursuant to this

**ON CALL TECHNICAL MUNICIPAL STORMWATER COMPLIANCE  
CONSULTING SERVICES - 750762711**

agreement shall be insurance organizations admitted by the Insurance Commissioner of the State of California to transact business of insurance in the state or be rated as A-X or higher by A.M. Best.

- 4.6 CONSULTANT shall provide thirty (30) days written notice to the CITY should any policy required by this Agreement be cancelled before the expiration date. For the purposes of this notice requirement, any material change in the policy prior to the expiration shall be considered a cancellation.
- 4.7 CONSULTANT shall provide evidence of compliance with the insurance requirements listed above by providing, at minimum, a Certificate of Insurance and applicable endorsements, in a form satisfactory to the City Attorney, concurrently with the submittal of this Agreement.
- 4.8 CONSULTANT shall provide a substitute Certificate of Insurance no later than thirty (30) days prior to the policy expiration date. Failure by the CONSULTANT to provide such a substitution and extend the policy expiration date shall be considered a default by CONSULTANT and may subject the CONSULTANT to a suspension or termination of work under the Agreement.
- 4.9 Maintenance of insurance by the CONSULTANT as specified in this Agreement shall in no way be interpreted as relieving the CONSULTANT of any responsibility whatsoever and the CONSULTANT may carry, at its own expense, such additional insurance as it deems necessary.
5. **PROFESSIONAL ERRORS AND OMISSIONS INSURANCE.** Throughout the duration of this Agreement and four (4) years thereafter, the CONSULTANT shall maintain professional errors and omissions insurance for work performed in connection with this Agreement in the minimum amount of Two Million Dollars (\$2,000,000.00).

CONSULTANT shall provide evidence of compliance with these insurance requirements by providing a Certificate of Insurance.

6. **CONSULTANT'S INDEMNIFICATION OF CITY.** To the greatest extent allowed by law, CONSULTANT shall indemnify and hold harmless the CITY and its officers, agents and employees against all claims for damages to persons or property arising out of CONSULTANT's work, including the negligent acts, errors or omissions or wrongful acts or conduct of the CONSULTANT, or its employees, agents, subcontractors, or others in connection with the execution of the work covered by this Agreement, except for those claims arising from the willful misconduct, sole negligence or active negligence of the CITY, its officers, agents, or

**ON CALL TECHNICAL MUNICIPAL STORMWATER COMPLIANCE  
CONSULTING SERVICES - 750762711**

employees. CONSULTANT'S indemnification shall include any and all costs, expenses, attorneys' fees, expert fees and liability assessed against or incurred by the CITY, its officers, agents, or employees in defending against such claims or lawsuits, whether the same proceed to judgment or not. Further, CONSULTANT at its own expense shall, upon written request by the CITY, defend any such suit or action brought against the CITY, its officers, agents, or employees resulting or arising from the conduct, tortious acts or omissions of the CONSULTANT.

CONSULTANT'S indemnification of CITY shall not be limited by any prior or subsequent declaration by the CONSULTANT.

7. **COMPENSATION.** CONSULTANT'S compensation for all work performed in accordance with this Agreement, shall not exceed \$100,00 per year for the three year contract term, for a not to exceed total contract price of \$300,000.

No work shall be performed by CONSULTANT in excess of the total contract price without prior written approval of the CITY. CONSULTANT shall obtain approval by the CITY prior to performing any work that results in incidental expenses to CITY.

8. **TIMING REQUIREMENTS.** Time is of the essence in the performance of work under this Agreement and the timing requirements shall be strictly adhered to unless otherwise modified in writing. All work shall be completed in every detail to the satisfaction of the CITY by June 30, 2028.

The CITY may offer, and CONSULTANT may agree, to renew the AGREEMENT for two (2) additional one (1) year terms upon the same terms and conditions, including compensation, provided CONSULTANT at the end of the AGREEMENT term is not in default of the AGREEMENT.

9. **ENTIRE AGREEMENT.** This Agreement comprises the entire integrated understanding between CITY and CONSULTANT concerning the work to be performed for this project and supersedes all prior negotiations, representations, or agreements.
10. **INTERPRETATION OF THE AGREEMENT.** The interpretation, validity and enforcement of the Agreement shall be governed by and construed under the laws of the State of California. The Agreement does not limit any other rights or remedies available to CITY.

The CONSULTANT shall be responsible for complying with all local, state, and federal laws whether or not said laws are expressly stated or referred to herein.

**ON CALL TECHNICAL MUNICIPAL STORMWATER COMPLIANCE  
CONSULTING SERVICES - 750762711**

Should any provision herein be found or deemed to be invalid, the Agreement shall be construed as not containing such provision, and all other provisions, which are otherwise lawful, shall remain in full force and effect, and to this end the provisions of this Agreement are severable.

11. **AGREEMENT MODIFICATION.** This Agreement may not be modified orally or in any manner other than by an agreement in writing signed by the parties hereto.
12. **TERMINATION OF AGREEMENT.** Either party may terminate this Agreement by providing thirty (30) days' written notice to the other party. If any portion of the work is terminated or abandoned by the CITY, then the CITY shall pay CONSULTANT for any work completed up to and including the date of termination or abandonment of this Agreement. The CITY shall be required to compensate CONSULTANT only for work performed in accordance with the Agreement up to and including the date of termination.
13. **SIGNATURES.** The individuals executing this Agreement represent and warrant that they have the right, power, legal capacity and authority to enter into and to execute this Agreement on behalf of the respective legal entities of the CONSULTANT and the CITY.


IN WITNESS WHEREOF, the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Professional Services Agreement to be executed by setting hereunto their signatures on the dates set forth below.

D-MAX ENGINEERING, INC.

CITY OF OCEANSIDE

By:   
Name/Title Arsalan Dadkhah, President

By: \_\_\_\_\_  
Jonathan Borrego, City Manager

Date:  4/30/25

Date: \_\_\_\_\_

By:   
Name/Title John Quenzer, Secretary

APPROVED AS TO FORM:

Date: 4/30/2025

 Robert Hamilton, C.A.B.T.  
City Attorney

33-0719783

Employer ID No.

**NOTARY ACKNOWLEDGMENTS OF CONSULTANT MUST BE ATTACHED.**

See Attached  
Notary Acknowledgment  
Certificate



CALIFORNIA ALL-PURPOSE ACKNOWLEDGEMENT

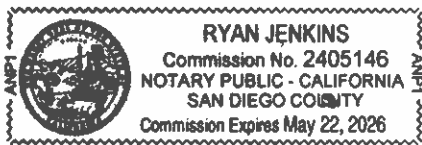
A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }  
County of San Diego }

On 04/30/2025, before me, Ryan Jenkins, Notary Public, personally  
appeared Arsalan Dadlchah and John Quenzer

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of State of California that the foregoing  
paragraph is true and correct.



PLACE NOTARY SEAL ABOVE

WITNESS my hand and official seal.

SIGNATURE

Ryan Jenkins

Though the information below is not required by law, it may prove valuable to persons relying on the document  
and could prevent fraudulent removal and reattachment of this form to another document.

**Description of attached document**

Title or type of document: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other than Named Above: \_\_\_\_\_

# D-MAX Engineering, Inc.

Consultants in Water & Environmental Sciences



City of Oceanside  
Water Utilities Department  
300 North Coast Highway  
Oceanside, CA 92054

## Re: Proposal for On-Call Technical Municipal Stormwater Compliance Consulting Services

Dear Water Utilities Department:

D-MAX Engineering, Inc. (D-MAX) and Larry Walker Associates (LWA) are pleased to submit this proposal in response to your Request for Proposal dated February 10, 2025. Since 1996, D-MAX has completed hundreds of similar projects for more than 20 other municipalities in southern California. We have extensive experience conducting and managing all types of work outlined in the RFP. Our qualifications are highlighted below.

- **City of Oceanside Experience**, over our 19 years working with the City of Oceanside (City), we have developed in-depth knowledge of the City's operations and drainage system. We have built a strong rapport with City personnel and understand local policy priorities and constraints.
- **Technical Expertise to Guide Stormwater Program Updates and Total Maximum Daily Load (TMDL) compliance**. D-MAX and LWA are leading Municipal Separate Storm Sewer System Permit (MS4 Permit) reissuance technical support for all San Diego Copermittees, including meeting with Regional Board staff, developing negotiation strategies and talking points, and commenting on proposed new regulations. LWA's experience with TMDL compliance planning will assist the City to meaningfully impact regulatory requirements.
- **Experienced Inspector Team**. D-MAX has completed hundreds of similar projects for 16 San Diego municipalities. Our staff includes a team of seven inspectors that are trained in NPDES stormwater inspections for municipal, commercial, industrial, construction, and structural bet management practices. Our staff have a deep understanding of minimum BMP requirements, investigation techniques for identifying and eliminating illicit connections/illicit discharges, and understand inspection trends in the region based on work with other Copermittees and the Water Board.
- **Cost Effective Services**. Our clients will attest to our responsiveness, flexibility, and performance. Our experience results in more cost-effective services and less demand on City staff time to oversee our work.

If you have any questions, please contact me at (619) 742-1055 or [jquenzer@dmmaxinc.com](mailto:jquenzer@dmmaxinc.com).

Sincerely,

D-MAX Engineering, Inc.

A handwritten signature in blue ink, appearing to read "John Quenzer", is written over a faint, larger signature.

John Quenzer, MS, QSD, CPSWQ  
Vice President

## I. Firm Information

D-MAX Engineering, Inc. (D-MAX) is a local environmental consulting firm that specializes in National Pollutant Discharge Elimination System (NPDES) permit program services for municipalities. Over the last 28 years D-MAX has worked with 20 municipalities in San Diego, Riverside, Imperial, and Orange Counties on stormwater or wastewater compliance projects. D-MAX is recognized across the region for our expertise. D-MAX and brings unmatched local inspection experience and a local pool of field staff and technical experts to support the City. Our contact information is below.

Company Name	D-MAX Engineering, Inc.
Location	5440 Morehouse Drive, Suite 4500 San Diego, CA 92121
Phone Number and Email	(858) 352-6816, <a href="mailto:admin@dmmaxinc.com">admin@dmmaxinc.com</a>
Contact person for proposal	John Quenzer, Vice President, same address as above. (619) 742-1055, <a href="mailto:jquenzer@dmmaxinc.com">jquenzer@dmmaxinc.com</a>

To better serve the City, Larry Walker Associates (LWA) has been included on our team to provide regulatory support for TMDL compliance. Since 1990, LWA has been involved in all stormwater and watershed management phases for municipal and state clients, with extensive experience in planning and implementing stormwater/watershed management plans and monitoring programs. Highlighted experience includes watershed and regional water quality monitoring program design and implementation, TMDL development, implementation, assessment of compliance options, and compliance evaluation.

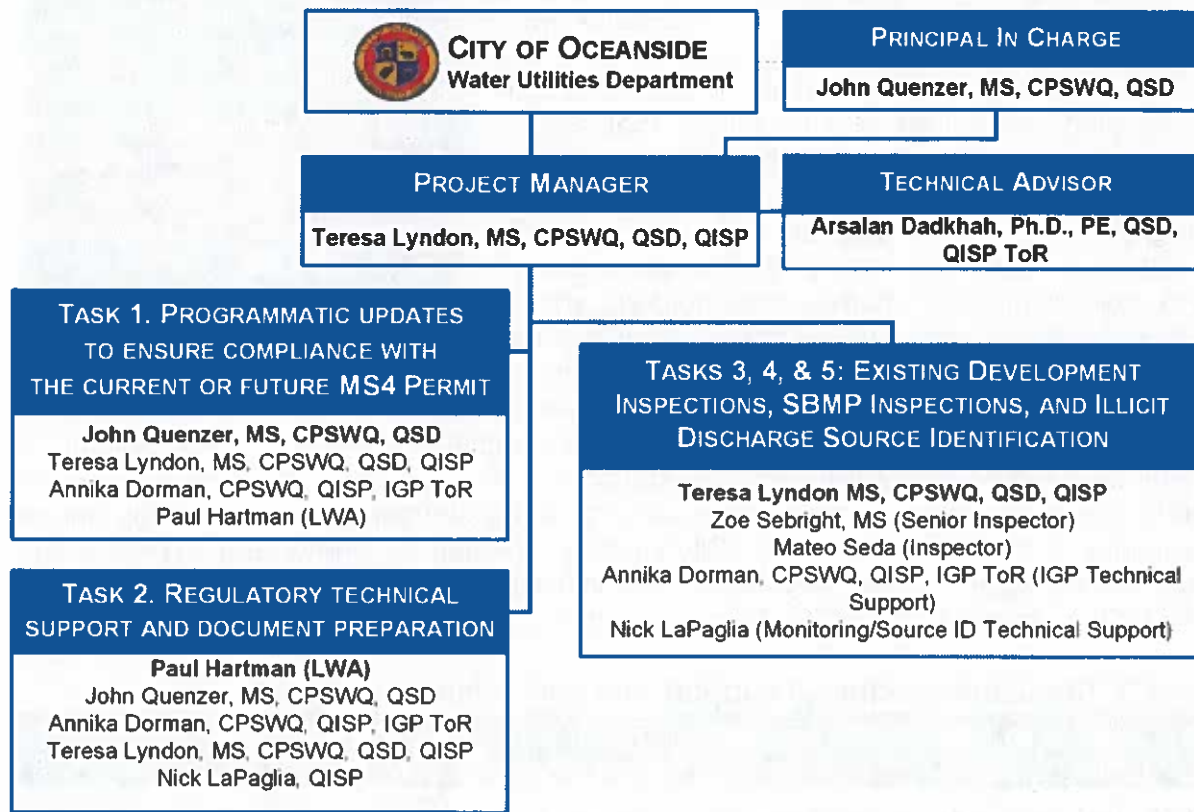
## Team Organization

Key staff for this project are included in the organizational chart below and resumes are in Attachment A. Individual staff roles are described under each task. Assigned personnel substitutions will not occur without prior City approval.

- Teresa Lyndon will be the Project Manager and primary point of contact for this project. Ms. Lyndon has 11 years of experience working with agencies in the San Diego region and has been working with the City of Oceanside on Trash Amendments compliance planning since 2017. In 2023, she conducted field visits for storm drains in the City to assess the feasibility for trash control devices. She is familiar with the City since she was raised in the nearby City of Carlsbad and recently resided in Oceanside.
- John Quenzer will be the Principal-in-Charge and Task 1 lead. He regularly works with the Regional Board as the watershed coordinator for the San Diego Bay and Tijuana River Water Quality Improvement Plan (WQIP) groups and is the lead for regional Permit reissuance support. Over his 21 years of experience Mr. Quenzer has worked on Jurisdictional Runoff Management Program (JRMP) updates for the City and 11 other agencies, WQIP updates, BMP Design Manual updates, and annual reports.
- Paul Hartman (LWA) will be the lead for Task 2, drawing upon his 26 years of professional experience and TMDL expertise. He worked with the City on the Loma Alta Slough Nutrient TMDL alternative and has led TMDL Reasonable Assurance Demonstration and Provision B.3.c planning for the San Luis Rey watershed.
- Dr. Arsalan Dadkhah is a licensed civil engineer with over 40 years of stormwater experience. He is available as an engineering technical advisor.



## Organizational Chart



### Task 1. Programmatic updates to ensure compliance with the current or future MS4 Permit

**Task Lead:** John Quenzer; **Key Supporting Staff:** Teresa Lyndon, Annika Dorman, Paul Hartman (LWA)

D-MAX has over 27 years of experience providing storm water program management services, which includes implementing and managing storm water compliance programs on behalf of our clients. Mr. Quenzer worked with the City of Oceanside to update its JRMP and Urban Runoff and Discharge Control Ordinance in 2015 in response to re-issuance of the 2013 MS4 Permit and his expertise and involvement in the San Diego region will be beneficial for the City.

#### **Regional Involvement in MS4 Permit Reissuance**

**D-MAX and LWA are the lead consultants for regional Permit reissuance support. John Quenzer and Paul Hartman are co-leading that project.** D-MAX and LWA have prepared JRMPs, WQIPs, monitoring plans, BMP Design Manuals, and annual reports for agencies across the region. We directly implement requirements of these document as extension of staff for some agencies, and we provide staff training for others. D-MAX and LWA staff are already involved in all meetings, document review, and commenting on through other projects and can seamlessly apply this knowledge to the City's specific needs cost-effectively. **Our approach to updating program documents is to maximize credit for existing City programs and to work with City staff to develop plans that are as practical and implementable as possible.**

We regularly work with municipal storm water programs to develop programs in consultation with staff in other departments or divisions, and we consider the needs and priorities of those other staff to develop procedures and workflows that are as practical as possible for non-storm water staff. We have both developed and implemented storm water programs, both as consultants and municipal staff, and have a deep understanding of typical needs of and constraints on internal stakeholders across different departments. We will draw on our experience and regular conversations with Regional Board staff and completing many similar projects for across the San Diego region to provide interpretation of new regulations and practical approaches the City can use to meet them. Our team also tracks regulatory changes and advises our clients on them; for example, we are helping several agencies adjust fiscal reporting to meet the State Water Board's new stormwater cost reporting standards. Based on this unique combination of both regional and City-specific experience, D-MAX and LWA are well suited to assist the City with as-needed technical support to update its ordinances, JRMP, and WQIPs as required for MS4 Permit reissuance.

D-MAX contributes to annual reports for all watershed groups in San Diego County. We wrote updated JRMPs for more than half of the San Diego County Copermittees during the last MS4 Permit reissuance cycle.

## **Task 2. Regulatory technical support and document preparation**

**Task Lead** – Paul Hartman (LWA); **Key Supporting Staff:** John Quenzer (TMDL and WQIP), Annika Dorman (IGP Technical Advisor), Teresa Lyndon (WQIP), Nick LaPaglia (IGP Support)

**LWA and D-MAX have decades of experience in the San Luis Rey and Carlsbad watershed programs, eliminating the learning curve and allowing our team to immediately support the City.** Effective communication with other permittees, regulatory agencies, and other interested parties is critical to our success. Both LWA and D-MAX maintains strong, productive working relationships with Regional Board and State Water Board staff, which will benefit the City in regulatory conversations and negotiations.

### ***Total Maximum Daily Load Technical Recommendations***

The LWA team has been intimately involved in development and implementation of the Bacteria TMDL since its inception and led the development of the first-of-its-kind TMDL Alternative for Loma Alta Slough on behalf of the City, County of San Diego, and City of Vista. LWA has been supporting the region in the development of potential modifications to the MS4 Permit and Bacteria TMDL and have driven novel implementation approaches focusing on sources of human waste. These experiences provide the insight for the team to implement a strategic, systematic approach that addresses each element of Task 2 while ensuring cost-effective compliance with regulatory requirements.

Our team's familiarity with the City's programs will allow us to build on existing compliance approaches, and our expertise in TMDL implementation will be valuable in identifying cost-effective approaches to protect human and environmental health. We have successfully incorporated the latest scientific studies for bacteria and nutrients, cost-benefit analyses, and other relevant information into revised regulations and will apply similar strategies for the City's benefit. For the bacteria TMDL, implementation is shifting to focus on sources of human waste that have been shown to pose the greatest

risk to recreators. In the case of the TMDL alternative for Loma Alta, the approach would focus on demonstrating that the City has met its obligations, attained compliance with the goals in the TMDL alternative, and continues to improve the watershed through restoration projects in the Slough.

### **Water Quality Improvement Plan Support**

LWA's approach includes reviewing external correspondence; preparing clear, technically sound position papers and memoranda where necessary; serving as liaison with the San Luis Rey and Carlsbad WMA WQIP watershed groups and consultants; representing the City's interests in regional technical discussions or preparing City staff to do so; and facilitating productive conversations with regulators based on long standing, positive relationships. Additionally, Mr. Quenzer and Ms. Lyndon are familiar with the City's priorities, strategies, and key stormwater program highlights through work for the San Luis Rey WMA WQIP group. These same staff are also familiar with WQIP programs throughout the region through their work on annual reporting for 7 other watersheds' WQIPs.

### **Industrial Stormwater Permit Compliance**

Annika Dorman is a IGP Trainer of Record and has provided IGP support services to 27 school districts, the Port of San Diego, the Del Mar Fairgrounds, the Imperial Irrigation District, the County of San Diego, and the City of Poway. In 2022, Ms. Dorman oversaw staff training, Level 1 Exceedance Response Action Reporting, SWPPP updates, and pollutant source assessments for the La Salina and San Luis Rey wastewater treatment plants in Oceanside. Ms. Dorman can provide expert recommendations for any IGP related matter. Our approach emphasizes preventative measures to minimize the likelihood of permit violations while ensuring readiness to respond effectively should exceedances occur.

## **Task 3. Existing Development Inspections – Industrial, Commercial, and Municipal Facilities**

**Task Lead:** Teresa Lyndon **Inspectors:** Zoe Sebright (Senior Inspector), Mateo Seda (Inspector) **Key Supporting Staff:** Annika Dorman (IGP Technical Support); Nick LaPaglia (Monitoring/Source ID Technical Support)

Our team's approach to efficient and effective structural best management practice (SBMP) inspections will support the City's existing processes and our staff's vast experience. Zoe Sebright worked at the City of Oceanside from 2019 to 2021 and is familiar with the City's preferred inspection approach, facilities, and storm drain system. Ms. Lyndon and Ms. Sebright will be the provide QA/QC for inspections completed by junior staff. Mateo Seda will be the primary inspector and he has completed numerous stormwater compliance inspections for Copermittees over the past three years. Mr. Seda conducts routine industrial and commercial stormwater compliance inspections in the nearby City of San Marcos using a property-based inspection approach. He has also been completing municipal facility inspections for the City of Carlsbad since 2023, and stormwater inspections for the County of San Diego, National City, and Lemon Grove.

D-MAX has conducted more than 50,000 storm water compliance inspections for existing development, structural BMP, and construction projects.

We assume most inspections will be completed by junior staff since it will be more cost effective for the City. However, Ms. Sebright is able to conduct inspections for sensitive or complicated cases when necessary. We have additional inspection staff who are qualified to perform all types of existing development inspections.

### ***Inspection Experience and Approach***

Our inspectors reflect City values and priorities through professional and courteous interactions with the facility representative; enacting an education-forward approach and working with responsible parties to identify achievable solutions that are amenable to the City's minimum BMP requirements. We find that most inspected parties, particularly in coastal communities, understand the importance of protecting water quality which is especially important for a beach city like Oceanside. During discussions with facility representatives, our inspectors offer practical and cost-effective solutions to reduce and eliminate pollutant sources. D-MAX staff use tablets and take photos efficiently for inspection programs and are familiar with using a variety of proprietary software programs. **Staff can also conduct multiple types of inspections at once, such as combination for a commercial stormwater inspection and structural BMP inspection which reduces the scheduling burden on responsible parties.** If situation arises that is particularly contentious, or would be expensive for the facility to implement, then Ms. Lyndon will discuss our recommendations for these cases with the City before communicating these requirements to the inspected facility. In rare instances, our staff will notify appropriate staff when a discharge is an immediate threat to human health or the environment. Our staff are uniquely suited to reduce burden on City staff by offloading routine work to our qualified inspectors. We will prepare case files for transfer to City Code Enforcement staff for higher level enforcement upon request.

### ***Industrial General Permit Nonfiler Assessment***

Our staff assess Industrial General Permit (IGP) subjectivity during inspections by discussing onsite activities with the responsible party which will be reviewed by Ms. Sebright. We also have certified QISPs who are available to conduct inspections for industrial facilities if necessary. Annika Dorman is IGP ToR and will provide technical support related to IGP support compliance during industrial inspections.

## **Task 4. Structural BMP Program Inspections**

**Task Lead:** Teresa Lyndon **Inspectors:** Zoe Sebright (Senior Inspector), Mateo Seda (Inspector)

In our years conducting inspections for the City of San Diego we managed an inventory ranging from 700 to 900 projects, and inspected up to 1,400 individual SBMPs in a given fiscal year. **D-MAX has several inspectors experienced in performing SBMP inspections, and our firm has the capability to perform a large number of inspections over a short time period if required.** Ms. Lyndon will coordinate fieldwork. Ms. Sebright will be the senior inspector and will provide QA/QC structural BMP inspections completed by junior staff. Mr. Seda will also complete inspections; he has inspected structural BMPs for six agencies, including Carlsbad and San Marcos.



### **Structural BMP Maintenance Verification and Inspections**

We will prepare and send out the maintenance verification letters, including updating contact information for projects as necessary and will follow up with projects that do not respond to the initial verification letters. Our inspectors are familiar with all types of SBMPs, and complete annual inspections for five other agencies in the San Diego region. Our team's approach to SBMP inspections will support the City's existing

Our staff are cross trained and have the versatility to conduct multiple types of work while in the City will increase efficiency and reduce costs.

processes and our staff's experience. During inspections, BMP maintenance condition will be evaluated and BMP infrastructure will be compared relative to approved plans, maintenance agreements, and other relevant documents where available.

**Our inspectors are experienced at evaluating the condition of all types of SBMPs due to their experience completing thousands of inspections of SBMPs across the region, including proprietary, non-proprietary, and custom or unique designs.** We will enter inspection data and photographs directly into *2NForm* database using a tablet. Compliance inspections will be conducted in a consecutive, efficient manner to minimize travel time among sites and reduce costs. Inspectors will conduct follow-up activities as needed. Where deficiencies are not corrected within the initial timeframe set forth in the City's enforcement plan, we will recommend enforcement is will be sent to the responsible party and will assist in preparing supporting information where necessary.

### **Task 5. Illicit Discharge Source Identification and Documentation**

**Task Lead:** Teresa Lyndon; **Inspectors:** Zoe Sebright (Senior Inspector), Mateo Seda (Inspector); **Key Supporting Staff:** Nick LaPaglia (Monitoring/Source ID Technical Support)

D-MAX has completed numerous pollutant and flow source investigations as part of the more than 240 dry weather monitoring programs conducted in San Diego County. Our approach for many investigations is to systematically track flow to its origin through visual observations of the storm drain, and work with responsible parties to eliminate flows that are found to be illicit. Ms. Lyndon will provide oversight for this task and Nick LaPaglia is available to assist with discharge investigation and develop sampling plans when needed. Mr. LaPaglia has extensive experiencing coordinating and conducting discharge investigations, including creating sampling and source identification plans for TMDL compliance.

The D-MAX office is a short drive from the City and our staff are often near the City conducting field work for other clients, like the City of Carlsbad, City of San Marcos, or County of San Diego. **D-MAX can respond promptly to stormwater complaint investigations and we prioritize discharges that pose a significant threat to water quality.** Our field staff will be able to respond immediately for discharge investigations, including on days inspection staff is in the City conducting existing development or structural BMP inspections. D-MAX works with the responsible party with the goal of ceasing the discharge and preventing recurring instances. In some cases, the source of flow or pollutants may not be readily apparent, and a more technical approach must be applied. Our approach for conducting specialized source investigations starts with discussing a study plan and objectives with the violator. Our staff will log enforcement

actions in *2Nform* and commence additional follow up when needed. D-MAX will coordinate with City staff to initiate appropriate enforcement action against sites with observed illicit discharges for discharges that are an immediate threat to human health or the environment, and when discharges have not been resolved within 30 days.

## II. Past Experience

D-MAX staff are experts in the interpretation and implementation of applicable Permits and regulatory documents, including Phase I & II MS4 Permits, the Construction and Industrial General Permits, Trash Amendments, and the Sanitary Sewer Systems General Order. We are actively involved in the development and periodic reissuance of these Permits and Orders, including commenting on draft language on our Clients' behalf. We are currently managing eleven similar projects for other agencies in the region.

### City of Oceanside Experience

D-MAX began working with the City in 2006 to update its Jurisdictional Urban Runoff Management Plan. We conducted Dry Weather Outfall Monitoring in 2010, 2012, and 2015. We have worked with the City since FY 21 through our work with the watershed on the San Luis Rey Water Quality Improvement Plan annual report and have also provided Wastewater Treatment Plan IGP support services in FY 22. Notably, D-MAX has been assisted the City with Trash Amendments compliance since FY 2017. We completed a Compliance Track Evaluation, and prepared a submittal to the Regional Board in December 2018 when the City selected Track 1. We have selected full capture trash control device locations, coordinated with Engineering and Stormwater staff, and conducted field visits to determine device feasibility. In FY 2023, we assisted the City to develop draft language for a BMP Design Manual update to incorporate trash capture device requirements for private development projects. We are currently working with the City to prepare an Implementation Plan under the Track 2 compliance pathway due a CIP funding gap for full capture devices to achieve 100% compliance by 2030.

### Regional Stormwater Experience

D-MAX is deeply involved in stormwater management in the Southern California region and will help the City cost-effectively navigate ever-changing requirements. A brief description of D-MAX' stormwater experience is provided in the table below.

**Summary of Selected Stormwater Compliance Experience**

Client	JRMP Development	JRMP & WQIP Support	IGP Services	Stormwater Inspections	Development Review/ BMP Design Manual Updates	Regional Meetings & Outreach	Monitoring & IDDE	Trash Amendments
City of Oceanside	✓	✓	✓				✓	✓
City of Carlsbad		✓		✓			✓	✓
City of Chula Vista	✓	✓		✓	✓		✓	✓
City of El Cajon	✓	✓			✓		✓	✓

### Summary of Selected Stormwater Compliance Experience (continued)

Client	JRMP Development	JRMP & WQIP Support	IGP Services	Stormwater Inspections	Development Review/ BMP Design Manual Updates	Regional Meetings & Outreach	Monitoring & IDDE	Trash Amendments
City of El Centro	✓	✓			✓	✓	✓	✓
City of Encinitas	✓	✓			✓		✓	✓
City of Escondido	✓	✓		✓			✓	✓
City of La Mesa	✓	✓				✓	✓	
City of Lemon Grove	✓	✓		✓	✓	✓	✓	✓
City of National City	✓	✓		✓	✓	✓	✓	✓
City of Poway	✓	✓	✓	✓	✓	✓	✓	✓
City of San Diego	✓	✓		✓	✓	✓	✓	✓
City of San Marcos		✓		✓	✓✓	✓	✓	✓
City of Santee	✓	✓		✓	✓	✓	✓	✓
City of Temecula	✓	✓						
City of Vista	✓	✓		✓			✓	
County of San Diego	✓	✓		✓	✓	✓	✓	
Port of San Diego	✓	✓		✓	✓	✓	✓	
SDCOE (41 school districts)		✓	✓	✓		✓	✓	

### III. Client References

Our clients will attest to our responsiveness, flexibility, and performance. The following clients serve as a reference for work we have completed in the past two years.

Client	Description of Services
<b>Reed Thornberry, City of San Marcos;</b> (760) 744-1050 x3217; <a href="mailto:rthornberry@san-marcos.net">rthornberry@san-marcos.net</a> , 1 Civic Center Drive, San Marcos CA 92069	<u>2001 – Present:</u> Inspections (businesses, structural BMP, residential, municipal), complaint/IDDE investigations, SBMP maintenance verification, staff training, Trash Amendments planning, outfall monitoring, WQIP/TMDL alternative (Lake San Marcos) support, staff training, IGP compliance evaluations.
<b>Christine Tolchin, County of San Diego;</b> (619) 988-9784, <a href="mailto:Christine.Tolchin@sdcounty.ca.gov">Christine.Tolchin@sdcounty.ca.gov</a>	<u>2001 – Present:</u> Inspections (business, municipal, structural BMP), complaint/IDDE investigations, bacteria source investigations, Permit reissuance support, TMDL compliance planning and regulatory negotiation support, WQIP updates, JRMP and WQIP Annual Reporting, training for other departments, IGP compliance assistance.

## IV. Hourly Fee Schedule

D-MAX and LWA will furnish all equipment, labor and materials necessary to provide the as-needed municipal stormwater consulting services.

### Hourly Fee Schedule

#### ***D-MAX Labor\****

Classification	Hourly Rate(\$)**
Word Processor/Admin	80
Technician	92
Senior Technician	105
Staff Scientist I	115
Staff Scientist II	128
Staff Scientist III	138
Assistant Project Scientist	150
Project Scientist	170
Senior Scientist	190
Principal Scientist	220
Staff Engineer I	128
Staff Engineer II	143
Assistant Project Engineer	160
Project Engineer	180
Senior Engineer	205
Principal Engineer	232

#### ***LWA Labor***

Classification	Hourly Rate(\$)**
Administrative Support	80
Contract Manager	150
AR/AP Manager	150
Graphic Designer	138
Project Engineer/Scientist I-C	146
Project Engineer/Scientist I-B	171
Project Engineer/Scientist I-A	196
Project Engineer/Scientist II-B	215
Project Engineer/Scientist II-A	241
Senior I	261
Senior II	281
Associate I	295
Associate II	315
Vice President	332
Executive Vice President	347
Senior Executive	357
President	357

\*Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$300/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

\*\*Labor rates will be increased annually by 3% or the San Diego consumer price index (CPI), whichever is less.

#### ***Other Charges***

Subcontracted services, such as sub consultants, outside testing, drilling, and surveyors, will be charged at cost plus 5%. Other project-specific costs, such as rentals, expendable or special supplies, special project insurance, permits and licenses, shipping, subsistence, tolls and parking, outside copying/printing, etc., will be charged at cost plus 5%. Meals, lodging, and travel expenses, when pre-approved by the City, will be charged at cost or at standard per diem rates, as applicable.

Client will be responsible for any applicable taxes in addition to the fees due for services.



# Attachment A

## Key Staff Resumes



# Arsalan Dadkhah

PhD, MS, PE, QSD/QSP, QISP ToR

## Professional Experience

D-MAX Engineering, Inc., 1996  
to Present

Woodward-Clyde Consultants,  
1987-1996

Montgomery Watson  
Consulting Engineers, Inc.,  
1984-1987

Tehran Regional Water  
Authority, 1969-1978

## Education

Utah State University, Ph.D.,  
Civil and Environmental  
Engineering (Hydrology and  
Water Resources), 1984

Utah State University, M.S.,  
Civil and Environmental  
Engineering (Hydraulics), 1981

College of Science and  
Technology, Tehran, Iran,  
B.S., Mechanical Engineering,  
1967

## Certifications/Registrations

Qualified SWPPP Developer  
(QSD)/Qualified SWPPP  
Practitioner (QSP) #22248,  
2010

Industrial General Permit  
Trainer of Record (ToR) and  
Qualified Industrial Storm  
Water Practitioner (QISP)  
#00025, 2015

## Profile Summary

Dr. Dadkhah is a registered Civil Engineer with more than 40 years of engineering experience, of which storm water and water quality have been the primary focus. During the last 34 years, he has been working with consulting firms, mainly in the field of water quality; since 1990 he has worked strictly in storm water management. Dr. Dadkhah's experience includes managing a range of storm water projects throughout Southern California for the federal government, local municipalities, and private entities.

## Relevant Experience

**City of Lemon Grove, Storm Water Services, Lemon Grove, CA, Principal-In-Charge.** Provides overall management and project QA/QC. Technical advisor for dry weather outfall monitoring and source investigations since 1996. Reviews SWQMPs submitted by private developments for acceptance by the City to assure compliance with the San Diego Regional MS4 Permit.

**City of National City, Storm Water Services, National City, CA, Principal Engineer.** Provided complete storm water services to the City since 2004. The project involves overall management to ensure that the various components of the City's storm water program are meeting relevant MS4 Permit requirements. Tasks included water quality monitoring, dry weather source investigations, compliance inspections, training, SWQMP and drainage study reviews, assisting in grant applications, annual reporting, GIS and database management, and Jurisdictional Runoff Management Program preparation.

**City of National City, Paradise Creek DAC Grant, National City, CA, Project Manager.** Conducted hydrologic study to determine detention basin requirements for flood control purposes for Paradise Creek near the intersection of Plaza Boulevard and Paradise Valley Road using HEC-HMS. Developed a hydraulic model in HEC-RAS to assess the impact of the hydrology results on the existing residential properties.

**City of La Mesa, University Avenue, La Mesa, CA, Project Manager.** Conducted a hydrology study to evaluate the feasibility of using the existing medians within the University Avenue to create bioretention areas for the purpose of water quality

improvement. The study estimated the runoff from the adjacent drainage areas and potential capacity of the proposed bioretention areas in the medians of the University Avenue to provide water quality improvement. The project was completed on time and in budget.

**City of Menifee, Storm Water Services, Menifee, CA, Principal Engineer.** Performed and coordinated reviews of Water Quality Management Plans (WQMPs) and drainage studies for new developments projects. These services included a complete hydrology and hydraulics review for the new developments to verify compliance with the Riverside County Flood Control and Water Conservation District.

**County of San Diego, As-Needed Consulting and Inspection Services, San Diego, CA, Principal Engineer.** Provides overall management for a variety of tasks to support the County's Watershed Protection Program, including technical support and oversight on various inspection programs, site-specific source identification studies, data analyses, report preparation, and regulatory documents.

**County of San Diego, Dry Weather Field Screening and Analytical Monitoring and Targeted Dry Weather MS4 Outfall Monitoring Programs, San Diego, CA, Principal Engineer.** Oversaw field work for the County of San Diego's Dry Weather Monitoring Program and the Targeted Dry Weather MS4 Monitoring Program. Coordinated field crew activities, including quality assurance audits with County staff, sampling, field analytical testing, conducting visual observations, flow rate estimation, and trash assessments.

**City of San Diego, Storm Water Compliance Inspection Program, San Diego, CA, Principal Engineer.** Provided technical support and oversight on industrial, commercial, and treatment control inspections. Tasks included preparing inspector guidance manual, inspection of industrial, commercial sites, evaluation of BMPs and any permit-related documents, providing recommendations for proper BMPs, reporting violations to the City, preparing databases for record keeping, follow-up actions and annual reporting. Additionally, completed as-needed research of projects required to install treatment control BMPs in response to Regional Board data requests.

**City of Chula Vista, Storm Water Services, Chula Vista, CA, Principal In Charge.** Provides overall management and QA/QC to ensure that the City's dry weather monitoring program and trash Amendments planning efforts are meeting relevant Regional MS4 Permit requirements.

**City of La Mesa, Storm Water Services, La Mesa, CA, Principal Engineer.** Provides overall management of the City's Dry Weather Major MS4 Outfall Discharge Monitoring and Reporting program, which includes non-storm water persistent flow sampling and follow-up source investigations.



# Teresa Lyndon

MS, CPSWQ, QISP, QSD

## Professional Experience

D-MAX Engineering, Inc., 2014  
to Present

## Education

California State University,  
Chico, M.S., Environmental  
Science, 2013

University of California, Irvine,  
B.A., Environmental Analysis  
and Design, 2008

## Certifications

Qualified Industrial Storm  
Water Practitioner (QISP)  
#01208, 2021

Certified Professional in Storm  
Water Quality (CPSWQ)  
#1416, 2022

Qualified SWPPP Developer  
(QSD)/Qualified SWPPP  
Practitioner (QSP) #28244,  
2022

## Skills/Expertise

- MS4 Permit and WQIP Implementation
- Trash Amendments compliance planning
- Annual reporting
- Data management
- Report preparation



## Profile Summary

Teresa Lyndon is a Project Scientist who has been involved in a variety of water quality projects in San Diego County. Ms. Lyndon has experience with managing construction and existing development inspection programs, Trash Amendment compliance planning, grant writing and administration, annual reporting.

## Relevant Experience

**City of Oceanside, Trash Amendments Compliance Planning, Oceanside, CA, Project Manager.** Prepared a comparison of the Track 1 and Track 2 compliance pathways. Once the City selected Track 1, assisted with the completion of a Feasibility Analysis which determined FCS installation criteria at select Priority Land Uses within the City. She worked with the City to prepare and Alternative Land Use Memorandum, cost estimates for the 10-year compliance time frame, trash control device selection and delineations, and is working to track information in the City's asset management database. She is currently preparing the Track 2 implementation plan for the City due to CIP budget constraints which limit the feasibility of Track 1.

**City of Carlsbad, Carlsbad Municipal Inspections, Carlsbad, CA, Project Coordinator.** Coordinates field activities for municipal compliance inspection program since FY 2018. Reviews inspections performed by other staff members. Analyzed inspection data and prepared summary report for the City.

**City of Lemon Grove, Storm Water Services, Lemon Grove, CA, Project Manager.** Provides inspection program planning, JRMP and WQIP reporting services, and municipal staff training. Provides recommendations for and updates the City's JRMP as-needed. Coordinated field activities for storm water compliance inspection programs for construction, post-construction BMP verification, industrial, commercial, municipal, residential, and structural BMP inspections. Reviewed inspections performed by other staff members. Coordinated follow-up investigations and enforcement actions in response to reported complaints for illicit discharges. Created new educational handouts for businesses and residents. Represented the City at regional and watershed meetings. Prepared Track 1 submittal to the Regional Board.

**City of National City, Storm Water Services, National City, CA, Task Lead.** Worked with the City to update the construction

inventory and assembled data required for annual reporting. Conducted inspections for post-construction BMPs to ensure adequate construction/design under the development and redevelopment requirements. Conducted field work and reviewed inspections performed by other staff members. Ms. Lyndon has reviewed Construction General Permit annual reporting information for CIPs, and has coordinated with City construction managers and QSPs to prepare COIs and NOTs. Prepared grant application for Paradise Creek wetland restoration project which awarded \$957,000 from the for Proposition 1 Grant Program. Assists with overall grant management and reporting.

**City of Poway, Storm Water Services, Poway, CA, Project Manager.** Provides inspection program planning, JRMP and WQIP reporting services, and municipal staff training. Provides recommendations for and updates the City's JRMP as-needed. Coordinated field activities for storm water compliance inspection programs for construction, post-construction BMP verification, industrial, commercial, enhanced residential are inspections, and structural BMP inspections. Conducted field work and reviewed inspections performed by other staff members. Coordinated follow-up investigations and enforcement actions in response to reported complaints for illicit discharges. Represented the City at regional and watershed meetings. Prepared the Track 1 submittal to the Regional Board. Provides inspection program planning, JRMP and WQIP reporting services. Prepares JRMP updates as-needed. Prepared a response to the Regional Board's irrigation audit response and prepared recommendations for the City's website.

**City of Santee, Storm Water Services, Lemon Grove, CA, Project Manager.** Provides inspection program planning, JRMP and WQIP reporting services, and SDR IO reporting support. Provides recommendations for and updates the City's JRMP as-needed. Coordinated field activities for storm water compliance inspection programs for construction, industrial, commercial, municipal, residential, and structural BMP inspections. Reviewed inspections performed by other staff members. Coordinated follow-up investigations and enforcement actions in response to reported complaints for illicit discharges. Created new educational handouts for businesses and residents. Represented the City at regional and watershed meetings. Worked with the City to prepare cost estimates to select specific FCD locations for the 10-year compliance time frame. Prepared the Jurisdictional Map and Time Schedule submittal to the Regional Board for compliance with the Trash Order.

**City of Escondido, Trash Order Implementation Planning and Mapping, Escondido, CA, Project Coordinator.** Used ArchHydro GIS tools to prepare inlet scale drainage area delineations for the City, and then oversaw manual QC to refine the automated delineations. Once the City selected Track 1, assisted with Full Capture System location selection, drainage area delineations, cost estimations for the 10-year compliance timeframe, submittals to the Regional Board, and alternative land use swapping methodology. She worked with the City to develop a pilot monitoring study for large Connector Pipe Screens that treat multiple upstream storm drains that drain Priority Land Uses. She is also working with the City to determine how information will be tracked in their asset management database for annual reporting.

**County of San Diego, As-Needed Consulting and Inspection Services, San Diego, CA, Support Staff.** Performed GIS mapping and prepared reports for HF183 source investigations and HF183 investigation standard operating procedure. Assisted with JRMP and WQIP annual report preparation and final review. She conducted research on NGO stormwater settlements in 2021. Ms. Lyndon conducted the analysis to update the 2020 urbanized and land use population numbers for the regional cost share. She has worked on outreach and public relations activities and educational signage for the Maplevue Green Street Project in Lakeside and is currently prepared quarterly reports for the project. She worked with the County to prepare an education and outreach flyer for the new 2022 construction general permit requirements.





# John Quenzer

MS, CPSWQ, QSD/QSP

## Professional Experience

D-MAX Engineering, Inc., 2004  
to present

City of San Diego,  
Environmental Services  
Division, 2001-2002

## Education

Johns Hopkins University,  
M.S., Environmental  
Engineering and Science,  
2014

University of California, San  
Diego, B.S., Environmental  
Chemistry, 2002

## Certifications/Registrations

Certified Professional in Storm  
Water Quality (CPSWQ) #693,  
2011

Qualified SWPPP Developer

(QSD)/Qualified SWPPP  
Practitioner (QSP) #24039,  
2015



## Profile Summary

John Quenzer is a Principal Scientist who has been involved in a variety of water quality projects in San Diego County with 20 years of experience to a similar scope of services. Mr. Quenzer possesses extensive experience in dry weather source investigations and Water Quality Improvement Plan (WQIP) development, implementation, and reporting. He has also prepared Jurisdictional Runoff Management Plans (JRMPs) for over half of the San Diego Copermittees.

## Relevant Experience

**City of Oceanside, Storm Water Services, Oceanside, CA, Project Manager.** Helped the City negotiate the terms of a TMDL alternative approach to eutrophication in the Loma Alta Slough, including goals and strategies, along with our sub, Larry Walker Associates. Oversaw dry weather outfall monitoring for the City, including flow source investigations. Developed the City's JRMP. Technical advisor for Trash Amendments compliance, including identifying constraints for locations to install full capture systems and implementation plan development.

**San Diego Bay Watershed Group Coordinator.** Mr. Quenzer served as the watershed co-coordinator on behalf of National City from 2013-2015, along with the representatives from the cities of Chula Vista and Lemon Grove. Currently, he serves as the San Diego Bay Watershed group coordinator. Work completed as part of the watershed co-coordinator role has included preparing meeting agendas, facilitating discussion during meetings, communicating with the Regional Board, representing the watershed group in public meetings, working with the contract manager and other Copermittees to outside meetings to achieve consensus on Water Quality Improvement Plan content and overall group direction, and coordinating submittal of Permit-required deliverables.

**City of National City, Storm Water Program, National City, CA, Project Manager.** Mr. Quenzer has managed the National City

Storm Water Services project since 2006. The project includes developing and implementing all types of jurisdictional and watershed storm water programs. Notable activities have included a City-wide trash assessment pilot project, residential inspection pilot projects, JRMP development and annual reporting, giving presentations to the Regional Board representing the City in audits, and developing and implementing watershed activities. He also manages the City's water quality monitoring programs, including wet weather monitoring for grant effectiveness assessment. Mr. Quenzer has represented the City in the San Diego Bay

WURMP workgroup since 2004, including helping 2008 San Diego Bay WURMP development, activity implementation, reporting, and meeting representation. He also represents the City of National City in permit reissuance proceedings, the Paleta Creek TMDL development process, the San Diego Bay WURMP workgroup, and the regional monitoring workgroup.

**City of San Diego, As-Needed Storm Water Services, San Diego, CA, Task Leader.** Completed updates to local BMP Design Manual and training for City engineering staff. Answers questions for designers on complex stormwater requirement topics for design of CIPs. Contributed to water quality and flood control modeling for the Los Peñasquitos Watershed Master Plan. Prepared SWMM models to evaluate feasibility of storm water capture at several sites in the City. Oversees HEC-RAS hydraulic modeling to support channel maintenance planning. Prepares strategy reporting and assessment of progress to goals for Water Quality Improvement Plan (WQIP) annual reports. Prepared City's JRMP and JRMP annual reports.

**City of San Diego, JRMP Update, San Diego, CA.** Update program procedures to comply with 2013 Permit requirements and integrate strategies from the City's six WQIPs. Prepare and document jurisdictional monitoring procedures; revise BMP requirements to address key sources of pollutants; and develop inventory and prioritization procedures for construction, residential, industrial, commercial, and municipal sources.

**City of Imperial Beach, San Diego Bay and Tijuana River WQIP Monitoring and Reporting, Imperial Beach, CA, Watershed Coordinator.** Watershed coordinator for the San Diego Bay and Tijuana River WQIP groups. Coordinates annual reporting and regularly communicates with the Regional Board staff on behalf of the watershed groups. Has represented the groups in several Consultation Panel meetings, including for WQIP updates to change the highest priority and numeric goals for the County of San Diego and to add a new hydromodification exemption.

**City of Escondido, Trash Order Implementation Planning and Mapping, Escondido, CA, Project Manager.** Oversaw the preparation of comparison of the Track 1 and Track 2 compliance pathways. Once the City selected Track 1, assisted with criteria for Full Capture System location selection, cost estimations for the 10-year compliance timeframe, submittals to the Regional Board, and alternative land use swapping methodology. Currently, he is overseeing the development of a pilot monitoring study for large Connector Pipe Screens that treat multiple upstream storm drains that drain Priority Land Uses.

**County of San Diego, As-Needed Consulting and Inspection Services, San Diego, CA, Project Manager.** Manages task orders including dry weather HF183 source investigation follow-ups, WQIP and JRMP annual reporting, industrial and commercial business source prioritization and inspections, septic rebate and education program to address human sources of bacteria, and other education/outreach efforts to target key pollutants of concern.

**County of San Diego, Storm Water Monitoring and Reporting, San Diego, CA, Task Leader.** Prepared progress to goals, strategy implementation, and dry weather flow source analysis components of San Luis Rey, San Diego River, and Santa Margarita WQIP annual reports. Worked with City of Santee and San Diego River Consultation Committee to update Santee's WQIP goals to make them more achievable. Currently working with San Diego River group on compliance approach for dry weather bacteria TMDL goals.

**City of Chula Vista, Storm Water Services, Chula Vista, CA, Project Manager.** Manages dry weather outfall monitoring and follow-up investigations, including isotope analysis and major ion analyses to assess groundwater contribution. Technical advisor for Trash Amendments planning for the City, including preparing the City's Implementation Plan. Helped the City update its JRMP in response to the most recent Regional MS4 Permit.

## **Paul Hartman**

Associate Scientist

### **EDUCATION**

B.S., Biology, 1995, James  
Madison University,  
Harrisonburg, VA

### **REGISTRATIONS**

Laboratory Analyst, Grade II,  
California Water Environment  
Association

### **YEARS OF EXPERIENCE**

With LWA: 12 years  
With other Firms: 14 years

### **PROFESSIONAL AFFILIATIONS**

Member, California Stormwater  
Quality Association

Member, California Water  
Environment Association

Member, Water Environment  
Federation

Mr. Hartman is an Associate Scientist serving a Project Manager in stormwater and watershed management, and as the Regional Office Manager for LWA's San Diego Office. His experience in water quality and regulation is focused on the development and implementation of cost effective, compliant municipal stormwater and watershed programs across California, including supporting TMDL/TMDL alternative development and implementation, compliance evaluations, and evaluation of new regulatory policies. An early career in the wastewater sector, coupled with extensive watershed planning and implementation experience, provides Mr. Hartman with a broad, cross-disciplinary perspective on watershed management, fostering forward-thinking solutions.

### ***Watershed Protection Program Regulatory and Technical Support. 2013 – Present. County of San Diego, CA.***

Project manager providing on-call regulatory and technical support for the Watershed Protection Program. Recent support has been focused on the development of a Reasonable Assurance Demonstration for compliance with the bacteria TMDL during wet weather, evaluation of proposed Biological Objectives for the San Diego Region including regional strategy/coordination, regulatory and technical support and regional coordination related to the Time Schedule Order for compliance with the dry weather bacteria Water Quality Based Effluent Limitations in the MS4 Permit, and development of County specific and regional effectiveness assessment plans in response to the San Diego River Investigative Order. Developed initial Water Quality Improvement Plans for the San Luis Rey and San Diego River Watershed and led recent updates to the Reasonable Assurance Demonstrations for both watersheds.

### ***Stormwater Department, Watershed Planning Strategic and Regulatory Support, 2013 – Present. City of San Diego, CA.***

Project manager providing on-call program and regulatory support for the City of San Diego's Transportation and Stormwater Program. Current efforts include development and implementation of a Compliance Strategy for the Stormwater Department. Currently leading MS4 Permit re-issuance efforts for the Department, including permit provisions related to Monitoring and Assessment, Reporting, and the Bacteria TMDL. Led an investigation into the efficacy and benefits of developing and implementing an Integrated Plan for the Department under USEPA's Integrated Planning Framework. Led the development of a structural BMP workplan for implementation of the City's Track 2 approach to compliance with the Statewide Trash Amendments. Regulatory support has focused on the assessment of impacts and preparation of comments for San Diego RWQCB, SWRCB, and USEPA policies affecting the program. Current efforts include leading a team working on the re-evaluation of the Bacteria TMDL and the leading City response and coordinating regional efforts related to the Time Schedule Order for compliance with the dry weather bacteria TMDL.





***Strategic and Regulatory Support, City of Carlsbad. 2018 – Present. Carlsbad, CA.***

Project Manager providing on-call strategic planning and regulatory support for the city. Recent projects focused on development of a Strategic Plan for the Watershed Protection Division (WPD), Agua Hedionda Lagoon and Carlsbad Watershed related to bacteria standards, shellfish harvesting, and nutrient contributions to algal growth in the lagoon. Tasks have included preparation of technical documents including analyses and summary of bacteria data related to the SHELL beneficial use; potential regulatory implications of the results including re-evaluation of the WQIP priorities; preparation of technical and regulatory comments related to nutrients and potential algal studies in the lagoon; and regulatory support focused on strategies for discussions with Regional Board staff.

***Permit Re-issuance Support, San Diego Copermittees. 2016-Present. San Diego, CA.***

Project Manager responsible for development of the 2018 Report of Waste Discharge (ROWD) for the San Diego Region. The ROWD serves as the renewal application for the Regional Phase I MS4 Permit. Development of the ROWD included evaluation of water quality conditions across the region, summaries of recent progress, and recommendations from each of the ten watersheds across the County moving into the next Permit term. Continuing to provide support for the Region in partnership with D-Max as the Regional Water Board moves forward with the MS4 Permit re-issuance process.

***Provision B.3.c, San Luis Rey River (SLR) Watershed Management Area. 2020 – Present. County of San Diego, City of Oceanside, City of Vista, CA.***

Project manager developing and implementing an approach to comply with receiving water limitations in the MS4 Permit through Provision B.3.c (Prohibitions and Limitations Compliance Option). The approach takes a holistic look at the watershed to identify the water quality priorities and to develop and implement programs and projects to address those concerns, turning the focus from a single priority/location (i.e., bacteria at the beach) to a more comprehensive multiple pollutant-waterbody approach. The process includes quantification of baseline levels of pollutants, reductions to attain water quality standards, and potential benefits of programs and projects to provide reasonable assurance that water quality standards will be attained. The project focuses on bacteria, nutrients, salts, biological integrity, and trash and is targeting the Lower SLR hydrologic area.

***Development and Implementation of a Phased Approach to Prioritize and Address SHELL and REC Beneficial Uses in Agua Hedionda Lagoon. 2020 – Present. County of San Diego, CA.***

Project Manager leading the development and implementation of a Phased Approach to address issues related to shellfish harvesting and recreational beneficial uses in Agua Hedionda Lagoon. The Work Plan identified key deliverables to support prioritization of SHELL and REC beneficial uses within the Carlsbad WQIP and to support discussions with Regional Water Board staff in response to comments on the WQIP Annual Reports. Recent efforts included development and implementation of a monitoring program for the Lagoon that successfully demonstrated the REC-1 beneficial uses are supported year-round.

***Loma Alta Slough Nutrient TMDL, City of Oceanside. 2014 – 2015. Oceanside, CA.***

Project Manager providing regulatory and technical support in the development of a “TMDL alternative” in Loma Alta Slough for nutrients. Collaborated with stakeholders, Regional Board, and USEPA to develop an alternative to a traditional TMDL, whereby the impairment is addressed through implementation of strategies in the Water Quality Improvement Plan for the Carlsbad Watershed Management Area. This alternative met the needs of the City and the regulators, obviating the need for a traditional TMDL. Also collaborated with the consultant team to develop and implement the required monitoring plans for the Slough under the TMDL Alternative.



# Annika Dorman

CPSWQ, QISP ToR

## Professional Experience

D-MAX Engineering, Inc., 2009  
to Present

## Education

University of California, San  
Diego, B.S., Environmental  
Systems, 2008

## Certifications/Registrations

Certified Professional in Storm  
Water Quality (CPSWQ)  
#0934, 2013

Industrial General Permit  
(IGP) Trainer of Record (ToR)  
and Qualified Industrial Storm  
Water Practitioner (QISP)  
#063, 2015

## Skills/Expertise

- IGP Compliance
- MS4 Permit and WQIP  
Implementation
- Data management
- Report preparation



planning, compliance evaluations, recommendations for BMP implementation and site redesign, and annual reporting.

### **City of San Marcos, Storm Water Services, San Marcos, CA, Project Coordinator.**

Currently oversees the industrial, commercial and municipal inspection programs for the City, as well as outreach material development. Tasks include data management, progress tracking, and program improvement recommendations.

## Profile Summary

Annika Dorman is a Senior Scientist with over 16 years of experience in the storm water field. She is experienced in all aspects of field work, coordination, and reporting for numerous inspection and monitoring programs, and has applied this experience to the development and implementation of numerous storm water programs, materials, and processes.

## Relevant Experience

**City of Oceanside, Waste Water Treatment Plant IGP Support, Project Manager.** Provided compliance recommendations regarding pollutant source assessments, source identification, and mitigation. Oversaw SWPPP updates for both the La Salina and San Luis Rey Wastewater Treatment Plants, IGP training for plant staff, and Level 1 Exceedance Response Action Reporting.

**San Diego County Office of Education, Industrial and Municipal Storm Water Programs, 17 School Districts across Southern CA, Project Manager.** Provides compliance assistance services as the compliance group leader for the San Diego County Office of Education's (SDCOE) Industrial General Permit (IGP) compliance group, which currently includes 17 active bus maintenance facilities and historically an additional 11 (including the Oceanside Unified School District) who have achieved no exposure certification or termination under her direction. In this capacity she provides analysis and quality assurance/quality control (QA/QC) of monitoring data, including tracking compliance levels and constituent averages via custom database, preparing summary reports identifying elevated constituents and potential sources, preparing data for submittal to the State's Stormwater Multiple Application and Report Tracking System (SMARTS), and preparing SWPPPs and Exceedance Response Action evaluations, plans, and reports. Provides municipal program consultation to the SDCOE Facilities Joint Powers Authority, which includes 38 school districts. Services include outreach material development, training, program

**City of Poway, Poway Material Handling Yard IGP Compliance Services, Poway, CA, Project Manager.** Provides oversight on site compliance activities to meet IGP requirements, including qualifying storm event tracking and monitoring, data analysis and QA/QC, SMARTS data submittals, monthly visual observations, annual comprehensive site compliance evaluations, annual reporting, ERA requirements, and training site personnel. Assists with BMP implementation assessments and makes recommendations for possible improvements.

**Port of San Diego, Storm Water Services, San Diego, CA, Project Manager.** Manages industrial, commercial, municipal, and structural BMP inspection programs for the Port of San Diego and has provided Industrial General Permit compliance services as a QISP for the Port's three marine terminals including performance of Level 1 ERA Site visits and advising the Port on the consolidation of Permit subjectivity, which ultimately resulted in the termination of Permit coverage and thereby reduced liability for the Port. Provided inspection program planning, quality assurance, data management and analysis, training, and reporting services.

**City of National City, Storm Water and Waste Water Services, National City, CA, Project Coordinator.** Currently oversees the industrial, commercial, Fats, Oils, and Grease, and municipal inspection programs for the City, as well as JRMP annual reporting and outreach material development. Tasks include data management, progress tracking, and program improvement recommendations.

**County of San Diego, As-Needed Consulting and Inspection Services, San Diego, Project Manager.** Provides planning and oversight on a variety of programs, including educational flyer development, municipal facility inspections, pollution prevention plan development, special event inspections, septic rebate program development and implementation, municipal training video production, inventory prioritization process development, special investigations, and a comprehensive analysis of historical complaint data. Recently provided an in-person QISP certification course for County staff.

**City of San Diego, Storm Water Compliance Inspection Program, San Diego, CA, Project Coordinator.** Coordinated field activities for storm water compliance inspection programs of 2,500 industrial and commercial sites annually. Provided periodic and final reports, maps, data analysis, quality assurance, database management, inspection form design, and field inspections. Prepared a technical report analyzing several years of program data to assist in program planning discussions, and comments on draft Municipal and Industrial Permits. In addition, she was involved in several pilot programs and source investigations for the City, and updated the Industrial, Commercial, and Municipal components of the City's JRMP during the 2015 update, which included BMP development and coordination with around 20 independent City departments and divisions. Currently assisting the City with an IGP assessment for their Chollas Operations Yard.

**22<sup>nd</sup> District Agricultural Association, Del Mar Fairgrounds Storm Water Services, Del Mar, CA, Project Manager.** Provided oversight on site compliance activities to meet IGP requirements, including qualifying storm event tracking and monitoring, data analysis and QA/QC, SMARTS data submittals, monthly visual observations, annual comprehensive site compliance evaluations, annual reporting, and training site personnel. Prepared and submitted Exceedance Response Action Technical Reports, and provided consultation regarding Phase II Small MS4 Permit compliance, including as-needed illicit discharge investigation, sampling, and updates to the Storm Water Management Plan.



# Zoe Sebright

MS

## Professional Experience

D-MAX Engineering, Inc., 2023 to Present

WSP USA Inc., 2021 to 2023

City of Oceanside, 2019 to 2021

City of San Diego, 2018 to 2019

## Education

Scripps Institution of Oceanography, M.S., Marine Biology, 2019

University of California, San Diego, B.S., Environmental Systems, 2018

## Skills/Expertise

- Stormwater compliance inspections
- Structural BMP inspections
- Data analysis
- QA/QC
- Report preparation



## Profile Summary

Ms. Sebright has over 6 years of experience in storm water regulatory compliance programs in the San Diego region. Ms. Sebright helps coordinate and execute Structural BMP inspection programs for five municipalities within the County of San Diego. Ms. Sebright has extensive experience preparing annual reporting documents for watershed across the San Diego region, coordinating with municipalities, and working collaboratively with Copermittees to achieve WQIP goals. Ms. Sebright works with a variety of clients to coordinate inspections, sampling, and reporting to meet requirements of the MS4 permit.

## Relevant Experience

**City of Oceanside, Industrial and Commercial Inspection Program, Oceanside, CA, Inspector.** Performed inspections of industrial and commercial businesses within the City of Oceanside jurisdiction. Identified any potential sources of stormwater pollution and communicated with business owners to correct issues observed. Read and interpreted Stormwater Pollution Prevention Plans (SWPPPs) in order to ensure compliance at industrial sites. Prepared inspection reports detailing any issues observed or corrective actions required. Managed inspection inventory to ensure that targeted inspections per year were reached.

**City of Oceanside, Structural BMP Program, Oceanside, CA, Inspector.** Performed inspections of Structural BMPs at inventoried Priority Development Projects (PDPs) within the City of Oceanside jurisdiction. Reading and interpreting Storm Water Quality Management Plans (SWQMPs) and grading/engineering plans to identify Structural BMPs in the field and evaluate for compliance. Prepared inspection reports identifying whether corrective actions or maintenance was required and coordinated with site representatives to achieve compliance. Maintained and organized Structural BMP inventory.

**County of San Diego, Complaint Investigations, San Diego County, CA, Project Coordinator.** Coordinated and conducted investigations into public complaints made to the County's

Watershed Protection Program. Managed complaint data and updated complaint reports in County's *Accela* database. Conducted outreach with complainants over the phone, providing quality customer service as a representative for the County. Reported monthly on number of complaints resolved and remaining tasks to address.



**City of Poway, Structural BMP Program, Poway, CA, Task Lead.** Updates and prioritizes Structural BMP inventory. Coordinates the inspection of all high priority Structural BMPs in inventory. Communicates with responsible parties and increased compliance through escalated enforcement in coordination with the City when applicable. Initiated an online maintenance verification program solution for the City's standard priority Structural BMPs. Online solution was successful in increasing compliance and number of maintenance verification forms received for the program.

**Port of San Diego, Industrial/Commercial and Structural BMP Inspections, Lead Inspector.** Schedules and coordinates inspections for high priority sites with Structural BMPs within the San Diego Unified Port District. Conducts simultaneous industrial and commercial inspection of sites as applicable. Communicated with site representative during and following inspection to identify any potential stormwater pollution sources and any corrective actions or maintenance required. Utilizes the Port's online database to finalize and produce detailed inspection reports for responsible parties. Coordinates with the Port and responsible parties on any corrective actions or violations to bring sites into compliance. Processes maintenance verification documentation for low and medium priority Structural BMPs.

**City of National City, Storm Water Services, National City, CA, Task Lead.** Updates and prioritizes Structural BMP inventory. Coordinates the inspection of all high priority Structural BMPs in inventory and manages maintenance verification program for medium and low priority Structural BMPs. Communicates with responsible parties and increases compliance through escalated enforcement in coordination with the City as needed.

**City of San Marcos, Structural BMP Program, San Marcos, CA, Task Lead.** Updates and prioritizes Structural BMP inventory. Coordinates the inspection of all high priority Structural BMPs in inventory and manages maintenance verification program. Communicates with responsible parties and increases compliance through escalated enforcement in coordination with the City as needed. Maintains an online dashboard with updates on the level of compliance for the program and meets biweekly with the City's stormwater staff to assist with any coordination needed.

**City of Santee, Structural BMP Program, Lemon Grove, CA, Project Coordinator.** Updates and prioritizes Structural BMP inventory. Coordinates the inspection of all high priority Structural BMPs in inventory and manages maintenance verification program. Communicates with responsible parties and increases compliance through escalated enforcement in coordination with the City as needed.

**County of San Diego, WQIP Annual Reporting Support, San Diego County, CA, Support Staff.** Assists the County in preparation of annual reporting materials including WQIP strategy table updates and formatting, coordination with several County departments for data collection, and QA/QC of JRMP reporting data. Assists Weston/NV5 in preparation of annual reporting materials for three watersheds including San Luis Rey. Assists City of Oceanside with updates to their JRMP strategies and documentation for the WQIP annual report. Coordinates with Copermittees of each watershed to get updated annual reporting data for JRMP strategies.

**WSP USA, Inc., San Dieguito, Los Peñasquitos, and Mission Bay WQIP Annual Reporting, San Diego, CA, Task Lead.** Assists WSP in preparing WQIP annual reporting documents for three of the City of San Diego-led watersheds. Compiles and analyzes dry weather monitoring data for monitoring report section. Coordinates with Copermittees of each watershed to get updated annual reporting data on WQIP and JRMP strategies. Updates strategy tables and formats documents for annual reporting purposes. Drafts and finalizes strategy appendix to WQIP annual report based on updates received from Copermittees.



# Nick LaPaglia

QISP

## Professional Experience

D-MAX Engineering, Inc., 2018  
to Present

## Education

University of California,  
Berkeley, B.A., Integrative  
Biology, 2017

## Certifications/Registrations

Qualified Industrial Stormwater  
Practitioner (QISP) #01014

## Skills/Expertise

- Sampling
- IDDE response
- Outfall monitoring
- ArcGIS
- Data Analysis
- Report preparation
- Stormwater compliance inspections



## Profile Summary

Nick LaPaglia is an Assistant Project Scientist with a background in Biological Sciences. He is certified as a Qualified Industrial Stormwater Practitioner (QISP), has helped manage and execute field work for over 50 outfall monitoring programs throughout the County of San Diego, and has considerable experience conducting source investigations, stormwater compliance inspections, and wet weather monitoring.

## Relevant Experience

**City of San Marcos, Storm Water Services, San Marcos, CA, Project Coordinator.** Coordinated and conducted field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and sources of pollutants. Coordinated and conducted sampling and data analysis for highest priority outfalls as well as conducted additional sampling and analyses to investigate groundwater as a potential source of flow. Implemented major outfall inventory updates based on GIS and field analyses. Coordinated and conducted stormwater compliance inspections and sampling at Bradley Park, a historical landfill converted to a community park, as well as air quality monitoring and related report writing.

**City of Poway, Storm Water Services, Poway, CA, Support Staff.** Coordinated and conducted field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and sources of pollutants. Coordinated and conducted sampling and data analysis for highest priority outfalls as well as conducted additional sampling and analyses to investigate groundwater as a potential source of flow. Prepared

final report. Implemented major outfall inventory updates based on GIS and field analyses. Performed as-needed field investigations and sampling to assess water quality downstream of illicit discharges. Conducted stormwater compliance inspections at industrial, commercial, and municipal facilities. Coordinated and conducted the stormwater compliance inspections and sampling at the City's household hazardous waste collection facility and helped to bring the site back to Baseline status.

**City of El Cajon, MS4 Outfall Monitoring, El Cajon, CA, Project Coordinator.** Conducted and coordinated field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and sources of pollutants. Coordinated and conducted sampling and data analysis for highest priority outfalls

as well as conducted additional sampling and analyses to investigate groundwater as a potential source of flow. Implemented major outfall inventory updates based on GIS and field analyses. Performed sampling for HF183 to investigate potential bacterial contributions from homeless encampments as well as conducted additional investigations upstream of outfalls with high levels of HF183 to identify potential sources. Analyzed illicit discharge detection and elimination data and integrated results into WQIP annual report.

**County of San Diego, As-Needed Consulting and Inspection Services, San Diego, CA, Project Coordinator.** Coordinated and conducted an assortment of inspection programs related to industrial, commercial, and municipal facilities as well as special events. Worked with a variety of County staff to develop and implement site specific Facility Pollution Prevention Plans. Coordinated and conducted follow-up source investigations in response to outfall sampling that identified elevated levels of HF183 in the San Diego River, San Luis Rey, and San Dieguito River areas, wrote summary reports, and produced an associated SOP. Coordinated and conducted special studies and investigations to further examine potential sources of HF183 upstream of outfalls with persistent detections. Completed analysis of illicit discharge detection and elimination data and integrated information into WQIP annual reports. Helped create and distribute educational fliers and signage related to RV waste disposal. Coordinated and conducted investigations to identify and eliminate sources of trash in the Spring Valley and San Diego River regions.

**City of Chula Vista, MS4 Outfall Monitoring, Chula Vista, CA, Project Coordinator.** Coordinated and conducted field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and sources of pollutants. Coordinated and conducted sampling and data analysis for highest priority outfalls as well as conducted additional sampling and analyses to investigate groundwater as a potential source of flow. Prepared final report. Prepared outfall inventory update based on GIS and field analyses. Coordinated joint trash assessment field monitoring with the Port of San Diego and the City of Imperial Beach to achieve WQIP goals. Coordinated and conducted additional targeted trash investigations to minimize trash conveyed through the City's MS4 and achieve WQIP trash reduction goals.

**City of Santee, Storm Water Services, Santee, CA, Project Coordinator.** Conducted and coordinated field activities for the dry weather MS4 outfall monitoring program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and sources of pollutants. Coordinated and conducted sampling and data analysis for highest priority outfalls and conducted additional sampling and analyses to investigate groundwater as a potential source of flow. Performed as-needed investigations and related sampling to identify source of flow leading to private property. Performed sampling for HF183 and completed related upstream investigations to identify potential sources. Prepared outfall inventory update based on GIS and field analyses. Completed dry and wet weather monitoring and load reduction analysis for the City's recently constructed bioretention BMP in Mast Park. Analyzed illicit discharge detection and elimination data and integrated results into WQIP annual report. Coordinated and conducted follow-up investigations related to complaints from the public.

**City of National City, MS4 Outfall Monitoring, National City, CA, Project Coordinator.** Conducted and coordinated field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities. Conducted sampling and analyzed data for highest priority outfalls as well as additional as needed sampling and pollutant source investigations. Conducted stormwater compliance inspections at industrial and commercial facilities, as well as construction sites, and completed related follow-up to ensure compliance with City and State regulations.



# Mateo Seda

## Professional Experience

D-MAX Engineering, Inc., 2022  
to Present

## Education

Oregon State University, B.S.  
Environmental Sciences, 2021

## Skills/Expertise

- Construction BMP inspections
- Post-construction BMP verification
- Industrial, Commercial, Residential, Municipal stormwater compliance inspections
- Outfall monitoring
- Sampling



## Profile Summary

Mateo Seda is a Staff Scientist I with a background in storm water resource management. He has experience conducting storm water inspections at construction, industrial, commercial, municipal, and residential sites. He has also conducted property-based inspections for commercial areas. He has assisted with dry and wet weather monitoring for multiple jurisdictions. He also has conducted structural best management practice (BMP) inspections within the cities of Poway, National City, Lemon Grove, and San Marcos.

## Relevant Experience

**City of Carlsbad, Carlsbad Municipal Inspections, Carlsbad, CA, Support Staff.** Conducted stormwater compliance inspections for municipal facilities to evaluate the implementation of minimum BMPs and the maintenance of any Structural BMPs onsite. In addition to the inspections, he assisted with compiling and analyzing the inspection data and preparing a summary report for the City.

**City of San Marcos, Storm Water Services, San Marcos, CA, Support Staff.** Conducted storm water compliance inspections of industrial and commercial businesses and properties, residential management areas, and structural BMPs. Assisted with field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities.

**City of Poway, Storm Water Services, Poway, CA, Support Staff.** Conducted storm water compliance inspections of structural BMPs for Priority Development Projects in order to evaluate the implementation of minimum BMPs and structural BMP maintenance. He prepared the inspection reports and communicated directly with responsible parties to resolve any outstanding maintenance deficiencies. He also assisted with field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities.

**City of National City, National City Construction Inspections, National City, CA, Support Staff.** Conducted stormwater compliance inspections of industrial and commercial businesses in order to evaluate the implementation of minimum BMPs. Conducted inspections of grease control devices for commercial businesses in order to determine maintenance compliance and kitchen BMP implementation. Conducted stormwater inspections at construction sites to ensure BMPs were implemented and aligned with the requirements described in the City of National City's JRMP and the site's approved Erosion Control Plan. Prepared inspection reports and worked closely with the responsible party to resolve any outstanding corrections. Conducted inspections



to ensure post-construction BMP inspections to ensure adequate construction/design under the development/redevelopment requirements and in accordance with plans and Storm Water Quality Management Plan (SWQMP). Assisted with field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities.

**City of Chula Vista, MS4 Outfall Monitoring, Chula Vista, CA, Support Staff.** Assisted with field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities.

**City of El Cajon, El Cajon Outfall Monitoring, El Cajon, CA, Support Staff.** Assisted with field activities for the dry weather MS4 outfall monitoring program for the City of El Cajon. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities.

**City of La Mesa, MS4 Outfall Monitoring, La Mesa, CA, Support Staff.** Assisted with field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities.

**City of Lemon Grove, Storm Water Services, Lemon Grove, CA, Support Staff.** Conducted stormwater compliance inspections for industrial and commercial businesses to evaluate the implementation of BMPs. He prepared the inspection reports and worked closely with the responsible parties to achieve compliance with the City's minimum BMPs. Conducted stormwater inspections at construction sites to ensure BMPs were implemented and aligned with the requirements described in the City's minimum BMPs and the site's Erosion Control Plan. He also conducted inspections to ensure adequate construction/design under the development/redevelopment requirements for post-construction BMPs. Conducted structural BMP inspections and prepared inspection reports.

**City of Santee, Santee Storm Water Services, Santee, CA, Support Staff.** Assisted with field activities for the MS4 outfall monitoring dry weather program. Performed visual observations at outfalls and upstream locations to identify dry weather flows and pollutant generating activities. Additionally, inspections at construction sites to ensure BMPs were implemented and aligned with the requirements described in the site's approved plans. Prepared inspection reports and worked closely with the responsible party to resolve any outstanding corrections.

**City of San Diego, San Diego River and San Diego Bay Watershed, Support Staff.** Drew stormwater conveyance system features and updated attributes based on reviewing as-built plans. The updated stormwater conveyance system data is being used for asset management and watershed modeling.

**County of San Diego, Spring Valley Trash Assessments and Inspections, Spring Valley, CA, Support Staff.** Conducted drive-by On-land Visual Trash Assessments in the Spring Valley area to assess trash levels. Also conducted commercial business and residential inspections in order to evaluate the implementation of minimum BMPs.

**Olivenhain Municipal Water District, FOG Inspections, San Diego, CA, Support Staff.** Conducted inspections of grease control devices for commercial businesses in 4S Ranch in order to determine maintenance compliance and kitchen BMP implementation. He prepared inspection reports and communicated directly with business owners to resolve any outstanding corrections.

**San Diego Unified Port District, As-Needed Storm Water Services, Port of San Diego, CA, Support Staff.** Completed inspections of MS4 structures and corresponding BMPs. Completed field forms for inspected facilities.