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February 20, 2024
*Commission on
State Mandates*

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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 over 16 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 Escondido, Storm Water Services, Escondido, CA, Project Manager. Manages dry weather outfall monitoring and follow-up investigations, including isotope analysis to assess groundwater contribution. Is working on an MS4 outfall inventory update for the City. Technical advisor for Trash Amendments planning for the City, including selecting locations for full capture systems. Helped the City update its JRMP in response to the most recent MS4 Permit.

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.

City of El Cajon, Storm Water Services, El Cajon, CA, Project Manager. Manages dry weather outfall monitoring and follow-up investigations, including major ion analyses to assess groundwater contribution and HF183 analyses to assess potential contributions from homeless activity. Prepared Trash Amendments compliance approach and the City's JRMP.

City of Santee, Storm Water Services, Santee, CA, Project Manager. Manages dry weather outfall monitoring and follow-up investigations, including isotope and major ion analyses to assess groundwater contribution. Prepared QAPPs and completed water quality monitoring for Forester Creek, Magnolia Channel, and Mast Park projects.

City of Encinitas, Storm Water Program Support, Encinitas, CA, Project Manager. Prepared JRMP update, Trash Amendments compliance track analysis study, and Trash Amendments Implementation Plan. Prepared a revised MS4 outfall inventory and MS4 outfall monitoring procedures for JRMP update. Also prepared responses to Regional Board requests or notices related to equestrian facilities and irrigation runoff.

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.

County of San Diego, As-Needed Consulting and Inspection Services, San Diego, CA, Project Manager. Managed 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.

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 Lemon Grove, Storm Water Services, Lemon Grove, CA, Project Manager. Manages dry weather outfall monitoring and follow-up investigations, including isotope analysis to assess groundwater contribution. Developed WQIP strategies and prepares summary of strategy implementation and progress to goals for WQIP annual reports. Supervised inspections of industrial and commercial businesses, including targeting businesses likely to be sources of WQIP highest priority pollutants.

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 Poway, Poway Storm Water Services, Poway, CA, Project Manager. Oversees annual MS4 outfall monitoring and source investigations. Recent source investigations have included major ion analyses and isotope analyses to assess groundwater contribution to flow at outfalls. Oversees WQIP annual reporting and is working with the City to develop goals and strategies related to adding nutrients in Lake Hodges as a highest priority for the San Dieguito WMA. Managed annual effectiveness monitoring for five regional detention basins consisting of wet weather composite samples, outflow samples, and statistical analysis of collected data.

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 San Diego, As-Needed Storm Water Services, San Diego, CA, Task Leader. 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. Is developing strategies and goals for San Dieguito WQIP update that will add nutrients in Lake Hodges as a new highest priority. Prepared City's JRMP and JRMP annual reports.

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. Is working with the City to plan for Trash Amendments compliance, including identifying locations to install full capture systems. Developed the City's JRMP.

City of Menifee Storm Water Services. Has assisted with developing strategies to control nutrients for the City of Menifee since nutrients are the proposed highest priority water quality condition in the Santa Margarita Watershed Management Area.

San Diego Bay Watershed Group Coordinator. Following the adoption of the Municipal Permit in 2013, the cities of National City, Chula Vista, and Lemon Grove took on the role of co-leads for the San Diego Bay Watershed during the development of the Water Quality Improvement Plan. 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, but does not represent National City. 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 Lemon Grove Storm Water Services, Lemon Grove, CA. Prepared updated JRMP, including construction BMP requirements and plan review procedures. Supervised inspections of industrial, commercial, and municipal facilities and construction sites. Preparing updated industrial and commercial inventory management and prioritization procedures and inspection and enforcement procedures for the JRMP update. Also developed WQIP strategies for the City. Has completed water quality monitoring for the City, including monitoring of storm water discharges from construction sites.

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 El Centro Storm Water Services, El Centro, CA. Prepared jurisdictional Storm Water Management Plan, MS4 outfall inventory, construction BMP requirements, and post-construction BMP requirements manual and submittal template. Trained City staff on erosion control plan review, post-construction BMP plan review, and construction inspections. Prepared grading and storm water ordinances. Prepares annual workplan describing tasks necessary to comply with requirements and provides direction to City staff during regular meetings. Also performing BMP and flood control basin sizing calculations and conceptual design for new aquatic center.

City of Oceanside, Storm Water Services, Oceanside, CA, Project Manager. JRMP updates in 2008 and 2015 to comply with new Permit requirements and integrate strategies from watershed plans. Prepare and document jurisdictional monitoring procedures; revise BMP requirements to address key sources of pollutants; and develop source inventories and prioritization procedures. Attended meetings with Regional Board staff for program audits and during Loma Alta resolution development process. Has also managed MS4 outfall monitoring for the City.

City of Poway, Storm Water Services Poway, CA, Project Manager. Managed annual effective monitoring for 5 regional detention basins consisting of wet weather composite samples, outflow samples, and statistical analysis of collected data. Oversee annual MS4 outfall monitoring and source investigations and wet weather sampling, including additional sampling to identify sources of key pollutants, at the City's public works maintenance yard. Has represented the City in audits with Regional Board staff and prepared technical reports on behalf of the City. Has prepared jurisdictional annual reports since 2004 and the 2002, 2008, and 2014-2015 JRMPs.

Upper San Marcos Creek Nutrient Investigation Study, Project Manager. Prepared QAPP and monitoring plan and oversaw field sampling and reporting. Study was targeted at

identifying spatial and temporal patterns in nutrient loadings among the City's major drainage basins and at identifying contributions from Phase II jurisdictions. The study included both wet and dry weather sampling.

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, JURMP development and annual reporting, giving presentations to the RWQCB, 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.

Storm Water Program Development and Annual Reporting. Project manager for the JURMP updates for the cities of Chula Vista, National City, El Cajon, Santee, La Mesa, Poway, and Oceanside to meet the requirements of Municipal Permit Order No. 2007-0001. Responsibilities included project coordination, preparing and reviewing JURMP sections, and overall quality control for the projects. These projects included developing inspection forms and procedures, inventory prioritization protocols, BMP requirements, maintenance verification forms and protocols, and effectiveness assessment metrics. Mr. Quenzer has also prepared annual storm water program reports for the cities of National City, La Mesa, Poway, and Santee. Duties included coordinating with various City departments to gather information, organizing collected data, and developing program effectiveness assessments.

SUSMP (WQTR) Technical Reviews. Reviewing SUSMP project submittals for several jurisdictions in San Diego County, including the cities of Poway, National City, and La Mesa. Technical reviews include consideration of hydrology, hydromodification modeling, water quality impacts, thorough analyses of proposed low impact development, source control best management practices (BMP), and treatment control BMPs designs, in light of the anticipated pollutants generated and any downstream impairments to receiving waters. Recommendations and conclusions are provided to the jurisdiction at the conclusion of the review. In addition to formal reviews for development submittals, Mr. Quenzer has also completed special SUSMP-related project research to investigate discrepancies between plans and sites as constructed for the cities of San Diego, National City, and Poway.

Water Quality Monitoring. Conducting and supervising data analysis, data quality assurance, and report preparation and review. He has worked on the Dry Weather Monitoring Programs for the County of San Diego, and cities of Chula Vista, Carlsbad, El Cajon, San Marcos, Santee, Poway, National City, La Mesa, Lemon Grove, Oceanside, and Vista. . He is currently managing a special study to identify and evaluate nutrient sources and loading trends in the Upper Lake San Marcos Watershed for the City of San Marcos. He has also coordinated effectiveness monitoring

for the City of Santee Forester Creek Improvement Project as part of a State grant. The project included water quality monitoring, including a sampling plan, a Quality Assurance Project Plan, a Project Assessment and Evaluation Plan, and three Annual Monitoring Reports. These included sampling program design and quality assurance/quality control procedures, as well as analyses of collected data. Mr. Quenzer also helped design and evaluate the results of special studies in the cities of Poway, La Mesa, Vista, and El Cajon.

City of La Mesa and National City, 2009 Model SUSMP Adaptation, Project Coordinator. For the cities of La Mesa and National City, he coordinated the revision of ordinance and BMP manual language to be consistent with the new Countywide Model SUSMP, approved by the RWQCB in 2009. The adaptation included meetings with city storm water and legal staff regarding jurisdiction-specific requirements and preferences.

SUSMP Technical Reviews, Project Coordinator. Reviewing SUSMP project submittals for several jurisdictions in San Diego County. Technical reviews include consideration of hydrology, hydromodification modeling, water quality impacts, thorough analyses of proposed low impact development, source control BMP, and treatment control BMPs designs, in light of the anticipated pollutants generated and any downstream impairments to receiving waters. Recommendations and conclusions are provided to the jurisdiction at the conclusion of the review.

Construction SWPPP Technical Reviews, Project Coordinator. Reviewing SWPPPs for the cities of National City and Poway. Technical reviews of plans for private and public projects include assessments of site-specific activities, materials, and proposed erosion control, sediment control, and non-storm water BMPs. Recommendations and conclusions are provided to the jurisdiction at the conclusion of the review.

Data Management. Designing databases and managing tasks for seven jurisdictions in San Diego County. He conducts quality control and quality assurance on water quality monitoring and compliance inspection data, including managing relevant databases. Mr. Quenzer redesigned industrial and commercial inspection databases to facilitate annual reporting. He developed and prioritized inventories of facilities based on business license listings submitted by municipalities. Mr. Quenzer has created databases tracking the receipt of inspection forms, inspection results, and most pertinent findings at each inspection. Has also developed data management systems for field sampling data, such as that collected in support of the Forester Creek Improvement Project in Santee, and developed the City of National City's SUSMP inspection database.

Preparation of WURMPs. Active participant in San Diego Bay Watershed Urban Runoff Management Program (WURMP) workgroup; participated in reviewing and providing comments for RWQCB Municipal Permit Order No. 2007-0001. Mr. Quenzer has been one of the primary authors of San Diego Bay WURMP Annual Reports since 2004.

Preparation of JURMPs and Annual Reporting. Project manager for the JURMP updates for the cities of Chula Vista, National City, El Cajon, Santee, La Mesa, Poway, Oceanside to meet the requirements of Municipal Permit Order No. 2007-0001. Responsibilities included project coordination, preparing and reviewing JURMP sections, and overall quality control for the

projects. Mr. Quenzer has also prepared annual storm water program reports for the cities of La Habra, National City, La Mesa, and Santee. Duties included coordinating with various City departments to gather information, organizing collected data, and developing program effectiveness assessments. He has also prepared sections of the City of Poway JURMP Annual Report, including the Effectiveness Assessment.

Dry Weather Monitoring Programs. Conducting and supervising data analysis, data quality assurance, and report preparation and review. He has worked on the Dry Weather Monitoring Programs for the cities of Chula Vista, Carlsbad, El Cajon, San Marcos, Santee, Poway, National City, La Mesa, Lemon Grove, Vista, and County of San Diego. He is an active member of the Regional Monitoring Workgroup.

Additional Monitoring Programs and Special Studies. Preparing several reports for the City of Santee Forester Creek Improvement Project water quality monitoring, including a sampling plan, a Quality Assurance Project Plan, a Project Assessment and Evaluation Plan, and three Annual Monitoring Reports. These included sampling program design and QA/QC procedures, as well as analyses of collected data. Mr. Quenzer also helped design and evaluate results from special studies in the cities of Poway, La Mesa, and El Cajon.

Storm Water Quality Inspections. Coordinating and conducting industrial, commercial, construction, watershed, and treatment control BMP inspection programs for various jurisdictions throughout San Diego and Orange Counties. Currently oversees the City of San Diego's industrial and commercial, watershed-focused, and treatment control BMP inspection programs. Also designed and supervised treatment control BMP inspection programs for the cities of Poway, La Mesa, and National City, and the Fats, Oils, and Grease inspections for the City of La Mesa. Duties include quality control, report preparation, assessing BMPs, interacting with and providing education to business owners, and developing recommendations for further action. Mr. Quenzer is an active member of the regional Copermitttee Industrial/Commercial Workgroup.

September 5, 2007
Project No. 200726W-1

Mr. Malik Tamimi
City of La Mesa
8130 Allison Avenue
P.O. Box 937
La Mesa, CA 91944-0937

Re: Proposal to Prepare FY 2006/2007 JURMP Annual Report for the City of La Mesa

Dear Malik:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of La Mesa in the preparation of the fiscal year 2006/2007 JURMP Annual Report. The scope of services associated with this project includes the following tasks:

Task 1: Review of RWQCB Comments on FY 2005/2006 JURMP Annual Report

Once they become available, we will review the Regional Water Quality Control Board's (RWQCB) comments on the last JURMP Annual Report to identify areas of concern to the RWQCB. We will structure the 2006/2007 JURMP Annual Report to address comments on last year's report where applicable.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during 2005/2006. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer. We will stay in contact with the City's departments after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3.

Task 3: Prepare JURMP Annual Report

This task includes the preparation of the JURMP Annual Report in accordance with the San Diego Municipal Storm Water Permit (Order 2001-01) Section I. Although the new Municipal Permit (Order No. R9-2007-0001) has been adopted by the RWQCB, the activities in FY 2006/2007 were conducted in accordance with Order 2001-01 requirements, and Order 2001-01 also determines the reporting requirements for that time period. The JURMP Annual Report preparation includes addressing the following:

- **Description of Activities for the Following Program Components:**
 - Municipal
 - Industrial
 - Commercial
 - Residential
 - Land-use planning for New Development and Redevelopment
 - Construction
 - Illicit Discharge Detection and Elimination
 - Education
 - Public Participation



- **Documentation/Accounting of Activities**
 - Illicit Discharges Report
 - Inspections Conducted
 - Enforcement Actions
 - Education Efforts
- **Fiscal Analysis**
- **Analysis of Program Effectiveness**
 - Discussion of Outcome Levels 1-6, as applicable
 - Preparation of associated figures
 - Completion of associated tables
- **JURMP Revisions**
- **Special Investigations**
- **Preparation of Appendices, including conversion of relevant records to electronic format**

We will first prepare a draft JURMP Annual Report for City review. After receiving City comments, we will incorporate them into a final report. Two (2) hard copies and four (4) electronic copies of the final report will be delivered to the City.

Project Schedule and Costs for Services

Based on our previous experience with the City, we estimate that a draft of the JURMP Annual Report can be provided to the City by December 7, 2007. This should provide ample time for City review and incorporation of comments prior to the mid January 2008 deadline for submittal to the County of San Diego. We propose completing the aforementioned tasks on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$18,000. This cost incorporates some savings in the information collection phase due to preparing both the JURMP and the JURMP Annual Report.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

La Mesa 2006/2007 JURMP Annual Report

TASKS	Project Manager \$ 130.00	Project Scientist \$ 105.00	Staff Scientist \$ 85.00	Clerk \$ 55.00	ODC	Total
	Rates (\$/hr)					
	HOURS					
1) Respond to RWQCB 2005/06 AR Comments						
Review information, write response		6				\$630
					Subtotal	\$630
2) Coordinate Information Transfer with City*						
Planning/Develop List of Questions		2	4			\$550
Call and meet with City Personnel		2	10			\$1,060
Organize information, follow-up as needed		2	4			\$550
					Subtotal	\$2,160
					Task 1+ Task 2	\$2,790
3) Prepare JURMP Annual Report						
Exec Summary & Intro		4				\$420
Municipal		3	13			\$1,420
Industrial		4	10			\$1,270
Commercial		4	10			\$1,270
Residential		1	8			\$785
New Development/Redevelopment		4	10			\$1,270
Construction		3	10			\$1,165
IC/ID		3	12			\$1,335
Education		2	10			\$1,060
Public Participation		1	6			\$615
Analysis of Program Effectiveness	1	10	8	4		\$2,080
Fiscal Analysis		0.5	1			\$138
Special Investigations		1.5	3			\$413
Conclusions			0.5			\$43
Overall Review	4					\$520
Address Comments from City		4				\$420
Report Reproduction and Delivery		1	1	12	\$150	\$1,000
					Subtotal	\$15,223
Totals	5	58	120.5		Grand Total	\$18,013

*Totals are lower than normal because information for the Annual Report will be collected concurrently with information for the JURMP.

May 13, 2008
Project No. 200826W

Mr. Malik Tamimi
Environmental Specialist
City of La Mesa
8130 Allison Avenue
La Mesa, CA 91941

Re: Proposal to Prepare FY 2007/2008 JURMP Annual Report for the City of La Mesa

Dear Malik:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of La Mesa in the preparation of the fiscal year 2007/2008 JURMP Annual Report. The scope of services associated with this project includes the following tasks:

Task 1: Review and Respond to RWQCB Comments on FY 2006/2007 JURMP Annual Report

Once they become available, we will review the Regional Water Quality Control Board's (RWQCB) comments on the last JURMP Annual Report to identify areas of concern to the RWQCB. We will assist the City in preparing a response to the comments and will structure the 2007/2008 JURMP Annual Report to address the comments where applicable. We assume that the level of comments received will be similar to that received last year and that any comments received will not result in major restructuring of the report or additional analysis beyond the scope of what is described in Task 3 below.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during 2007/2008. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer. We will need to update our lists of questions based on new Municipal Permit (RWQCB Order No. R9-2007-0001) requirements. We also anticipate that gathering information for this report will be somewhat more difficult than in previous years due to the changes in questions and the earlier deadline for receiving information. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3. We assume that this task will mainly be conducted over the phone and through email, but eight hours, including travel time, are also allocated for meeting in person.

Task 3: Prepare JURMP Annual Report

This task includes the preparation of the JURMP Annual Report in accordance with both the previous and current versions of the San Diego Municipal Storm Water Permit (Order 2001-01 and Order No. R9-2007-0001, respectively). The City was required to begin implementing the requirements of Order No. R9-2007-0001 no later than March 24, 2008, but some program elements or portions of program elements may have begun operating under the new program designs earlier. Determining the dates when the new programs were implemented will be part of the information collection process in Task 2.

Because the reporting requirements for the two different orders are different, most sections of the Annual Report will need to discuss how the program element met the requirements of each permit and when the Order No. R9-2007-0001 program was fully implemented. The following components and tasks will be included in the JURMP Annual Report.

- **Global changes**

- Update order, titles, and content of sections and subsections to match the regionally standardized JURMP Annual Report format submitted to the RWQCB in July 2007 and the JURMP update completed in March 2008.
- Include discussions of how each program element met the applicable requirements of both Order 2001-01 and Order No. R9-2007-0001.

- **Sections**

- Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
- Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, a reference to any RWQCB comments on the City's 2006/2007 JURMP Annual Report (if applicable, the response will be included as an attachment), and a summary list of key achievements.
- Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP); treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A listing of the priority development projects which were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
 - An updated treatment control BMP inventory.
 - The number of treatment control BMPs inspected, including a summary of inspection results and findings.
 - A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
 - Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
 - A listing of any projects which received a SUSMP waiver.
 - A description of implementation of any SUSMP waiver mitigation program.
 - A description of Hydromodification Management Plan (HMP) development collaboration and participation.
 - A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
 - A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.

- A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
- The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.
- Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.
 - Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
 - A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.
- Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Order No. 2007-0001 includes a number of changes in requirements for municipal programs, many of which require significantly more detailed data than has been available in the past. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
 - Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
 - Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
 - Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
 - Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.

- Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2007/2008.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
 - A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermitttees.
- Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
 - A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Note that we plan to reference the Dry Weather Monitoring Program report rather than including a summary of the data as has been done in past years. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - Correction of any inaccuracies in either the MS4 map or the Dry Weather Field Screening and Analytical Stations Map.
 - A summary of changes to the Dry Weather Monitoring Program, including the addition of trash assessment and follow-up of laboratory exceedances within two business days.

- Education: will include descriptions of various educational efforts by the City. The new Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of education efforts conducted for each target community
 - Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and “allowable” behaviors and discharges
- Public Participation: will include a description of the City’s efforts to involve the public in the development and implementation of its storm water program. The requirements of this section are not substantially different from what was required under RWQCB Order 2001-01.
- Fiscal Analysis: will include a summary of the funding sources for the City’s storm water program and budget line items. This section should have the same format as the fiscal analysis sections for previous annual reports have had; new fiscal analysis reporting requirements are being developed but are not likely to be available before January 2009.
- Effectiveness Assessment: will include analyses of the effectiveness of the City’s storm water program. The matrix presented in the City’s 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared. Order No. R9-2007-0001 requires a significantly more detailed assessment of program effectiveness than what had previously been required.
- Special Investigations: will include a description of the City’s additional monitoring program and of the City’s additional source investigation efforts in the University Drainage Basin. The description of the additional monitoring efforts will involve presenting graphs, tables, and/or maps that have previously been prepared for the City along with a brief text summary to explain how the results were obtained and when monitoring was conducted. We anticipate that the City’s additional inspections in the light industrial area in the Alvarado Drainage Basin will be described in the industrial/commercial section, but they can be described here instead if the City prefers.
- Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.
- Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.
- **Report Preparation: Draft**
 - We will prepare one (1) hard copy of a draft JURMP Annual Report for City review. An electronic copy of the report text may also be provided if desired.
 - We will also prepare one volume of attachments for the draft JURMP Annual Report. In past years the amount of attachments has been substantial enough that a separate volume is required. Attachments generally include items such as educational materials, inspection forms, and Dry Weather Monitoring Program reports.
- **Responding to City Comments on the Draft Report**
 - We anticipate receiving one round of technical comments on the draft report from the City. We anticipate that these comments will be sent as written

comments on the hard copy of the report and will be sufficiently detailed that additional rounds of comments will not be necessary. Additional rounds of comments and/or comments on writing style in which the specific alternative wording requested is not provided in the comments may be incorporated on an additional, as-needed basis.

- **Report Preparation: Final**

- We will prepare and deliver two (2) hard copies and four (4) electronic copies of the final JURMP Annual Report and attachments. Our understanding is that all electronic files, including attachments and the certification statement, must be converted to pdf format and merged into a single pdf document in order to meet RWQCB paperless office requirements.

Project Schedule and Costs for Services

We understand that the City would prefer to receive the final report by September 10, 2008. This is well in advance of the final deadline for submittal to the County (end of September), so we suggest beginning work before July 1, 2008. While not all necessary data will be available before July 1, we will be able to do initial preparation of questions and start collecting the information that is available at that point. We propose the following schedule.

- Notice to Proceed: June 16, 2008
- Deliver Draft Report to City: August 20, 2008 (9.5 weeks)
- Receive Review Comments from City: September 1, 2008 (1.5 weeks)
- Deliver Final Report to City: September 10, 2008 (1.5 weeks)

We propose completing the aforementioned tasks on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$27,620. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.



Arsalan Dadkhah, Ph.D., P.E.
Project Manager

La Mesa 2007/2008 JURMP Annual Report

	Project Manager	Project Scientist	Asst Project Scientist	Clerk	ODC	Total
	Rates (\$/hr)					
TASKS	\$ 140.00	\$ 110.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Respond to RWQCB 2006/07 AR Comments						
Review Information, Write Response		6				\$660
					Subtotal	\$660
2) Coordinate Information Transfer with City						
Planning/Develop List of Questions	1	4	3			\$865
Call and Email City Personnel		6	8			\$1,420
Meet with City Personnel		8			\$41	\$921
Organize Information, Follow-up as Needed	1	7	16			\$2,430
					Subtotal	\$5,636
3) Prepare JURMP Annual Report						
Executive Summary	1	3				\$470
Introduction		2				\$220
New Development/Redevelopment	2	4	12			\$1,860
Construction	1	3	14			\$1,800
Municipal	2	4	18			\$2,430
Industrial/Commercial	1	4	14			\$1,910
Residential		2	8			\$980
IDDE	1	3	10			\$1,420
Education		2	12			\$1,360
Public Participation		2	6			\$790
Fiscal Analysis		0.5	1			\$150
Analysis of Program Effectiveness	4	10	6			\$2,230
Special Investigations		2	4			\$600
Conclusions			0.5			\$48
Overall Review	8					\$1,120
Address Comments from City	2	14	4			\$2,200
Report Reproduction and Delivery (Draft & Final)		4	4	14	\$147	\$1,737
					Subtotal	\$21,325
Totals	24	90.5	140.5	14	Grand Total	\$27,620

March 9, 2009
Project No. 200920W

Mr. Malik Tamimi
Environmental Specialist
City of La Mesa
8130 Allison Avenue
La Mesa, CA 91941

Re: Proposal to Prepare FY 2008/2009 JURMP Annual Report for the City of La Mesa

Dear Malik:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of La Mesa in the preparation of the fiscal year 2008/2009 JURMP Annual Report. Work will be conducted in accordance with the requirements of RWQCB Order No. R9-2007-0001 (Municipal Permit). The scope of services associated with this project includes the following tasks:

Task 1: Review and Respond to RWQCB Comments on FY 2007/2008 JURMP Annual Report

Once they become available, we will review the Regional Water Quality Control Board's (RWQCB) comments on the last JURMP Annual Report to identify areas of concern to the RWQCB. We will assist the City in preparing a response to the comments and will structure the 2008/2009 JURMP Annual Report to address the comments where applicable. We assume that the level of comments received will be similar to that received last year and that any comments received will not result in major restructuring of the report or additional analysis beyond the scope of what is described in Task 3 below.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during 2008/2009. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3. We assume that this task will mainly be conducted over the phone and through email, but eight hours, including travel time, are also allocated for meeting in person.

Task 3: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

- **Sections**

- Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
- Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, a reference to any RWQCB comments on the

City's 2007/2008 JURMP Annual Report (if applicable, the response will be included as an attachment), and a summary list of key achievements.

- Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP); treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.
 - A listing of the priority development projects which were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
 - An updated treatment control BMP inventory.
 - The number of treatment control BMPs inspected, including a summary of inspection results and findings.
 - A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
 - Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
 - A listing of any projects which received a SUSMP waiver.
 - A description of implementation of any SUSMP waiver mitigation program.
 - A description of Hydromodification Management Plan (HMP) development collaboration and participation.
 - A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
 - A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
 - A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
 - The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.
- Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.
 - For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.

- Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
- A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.
- Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.
 - A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
 - Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
 - Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
 - Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
 - Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
 - Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2008/2009.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
- A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermitees.
- A list of inspections conducted during the fiscal year, including inspection findings.
- The City's current inventories of industrial and commercial businesses.
- Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.
 - A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
 - A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
 - Identification of high priority residential areas and BMPs or other actions taken to mitigate potential pollutant discharges from those areas in particular.
- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Note that we plan to reference the Dry Weather Monitoring Program report rather than including a summary of the data as has been done in past years. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.
 - A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
 - A list of complaints and hotline calls received and how they were resolved.
 - A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.
- Education: will include descriptions of various educational efforts by the City. The Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.
 - A description of education efforts conducted for each target community.
 - Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and "allowable" behaviors and discharges.
 - A list of educational materials distributed, including numbers as available.
- Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program. This section will include descriptions of public participation activities the City has sponsored or participated in, such as cleanup events and partnerships with local environmental groups.

- Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. This section should have the same format as the fiscal analysis sections for previous annual reports have had. A new fiscal analysis framework has been developed by the Copermittees, but it is not likely to be implemented until at least 2009-2010.
- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.
- Special Investigations: will include a description of the City's additional monitoring program and of the City's additional source investigation efforts in the University Drainage Basin. The description of the additional monitoring efforts will involve presenting graphs, tables, and/or maps that have previously been prepared for the City along with a brief text summary to explain how the results were obtained and when monitoring was conducted. The City's participation in the regional Source Identification Monitoring Program will also be described in this section.
- Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.

Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.

- **Report Preparation: Draft**

- We will prepare one (1) hard copy of a draft JURMP Annual Report for City review. An electronic copy of the report text may also be provided if desired.
- We will also prepare one volume of attachments for the draft JURMP Annual Report. In past years the amount of attachments has been substantial enough that a separate volume is required. Attachments generally include items such as educational materials, inspection forms, and Dry Weather Monitoring Program reports.

- **Responding to City Comments on the Draft Report**

- We anticipate receiving one round of technical comments on the draft report from the City. We anticipate that these comments will be sent as written comments on the hard copy of the report and will be sufficiently detailed that additional rounds of comments will not be necessary. Additional rounds of comments and/or comments on writing style in which the specific alternative wording requested is not provided in the comments may be incorporated on an additional, as-needed basis.

- **Report Preparation: Final**

- We will prepare and deliver two (2) hard copies and four (4) electronic copies of the final JURMP Annual Report and attachments. Our understanding is that all electronic files, including attachments and the certification statement, must be converted to pdf format and merged into a single pdf document in order to meet RWQCB paperless office requirements.



Project Schedule and Costs for Services

We propose the following schedule for preparing the 2008/2009 City of La Mesa JURMP Annual Report.

- Notice to Proceed: June 22, 2009
- Deliver Draft Report to City: September 1, 2009 (10 weeks)
- Receive Review Comments from City: September 15, 2009 (2 weeks)
- Deliver Final Report to City: September 25, 2009 (1.5 weeks)

We propose completing the aforementioned tasks on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$25,667. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

La Mesa 2008/2009 JURMP Annual Report

	Project Manager	Project Scientist	Asst Project Scientist	Clerk	ODC	Total
	Rates (\$/hr)					
TASKS	\$ 140.00	\$ 110.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Respond to RWQCB 2007/08 AR Comments						
Review Information, Write Response		6				\$660
					Subtotal	\$660
2) Coordinate Information Transfer with City						
Planning/Develop List of Questions	1	1	4			\$630
Call and Email City Personnel		4	8			\$1,200
Meet with City Personnel		8			\$43	\$923
Organize Information, Follow-up as Needed	2	6	16			\$2,460
					Subtotal	\$5,213
3) Prepare JURMP Annual Report						
Executive Summary	1	3				\$470
Introduction		1.5				\$165
New Development/Redevelopment	1	2	12			\$1,500
Construction	1	2	14			\$1,690
Municipal	1	2	16			\$1,880
Industrial/Commercial	1	2	14			\$1,690
Residential		2	8			\$980
IDDE	1	2	10			\$1,310
Education		2	11			\$1,265
Public Participation		2	6			\$790
Fiscal Analysis		0.5	1			\$150
Analysis of Program Effectiveness	2	10	4			\$1,760
Special Investigations		3	6			\$900
Conclusions			0.5			\$48
Overall Review	8					\$1,120
Address Comments from City	3	14	4			\$2,340
Report Reproduction and Delivery (Draft & Final)		4	4	14	\$147	\$1,737
					Subtotal	\$19,795
Totals	22	77	138.5	14	Grand Total	\$25,667

April 6, 2010
Project No. 201026W

Mr. Joe Kuhn
Stormwater Program Manager
City of La Mesa
8130 Allison Avenue
La Mesa, CA 91941

Re: Proposal to Prepare FY 2009/2010 JURMP Annual Report for the City of La Mesa

Dear Malik:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of La Mesa in the preparation of the fiscal year 2009/2010 JURMP Annual Report. Work will be conducted in accordance with the requirements of RWQCB Order No. R9-2007-0001 (Municipal Permit). The scope of services associated with this project includes the following tasks:

Task 1: Review and Respond to RWQCB Comments on FY 2008/2009 JURMP Annual Report

Our understanding is that the Regional Water Quality Control Board (RWQCB) only planned to look at the development planning component of the City's 2008/2009 JURMP Annual Report, and that this evaluation was done through a meeting with City staff rather than through written comments. We further understand that the City has not received any comments related to the meeting that was held to discuss the development planning component and that the City does not expect to receive comments on that component of its program or other components of its program. If some comments are received later in the year, however, or if the RWQCB issues a broad set of comments to the Copermitees as a group, we will structure the 2009/2010 JURMP Annual Report to address those comments.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during 2009/2010. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3. We assume that this task will mainly be conducted over the phone and through email, but eight hours, including travel time, are also allocated for meeting in person.

Task 3: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

- **Sections**

- Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.

- Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, and a summary list of key achievements.
- Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP); treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.
 - A listing of the priority development projects which were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
 - An updated treatment control BMP inventory.
 - The number of treatment control BMPs inspected, including a summary of inspection results and findings.
 - A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
 - Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
 - A listing of any projects which received a SUSMP waiver.
 - A description of implementation of any SUSMP waiver mitigation program.
 - A description of Hydromodification Management Plan (HMP) development collaboration and participation.
 - A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
 - A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
 - A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
 - The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.
- Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.
 - For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.

- Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
- A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.
- Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.
 - A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
 - Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
 - Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
 - Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
 - Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
 - Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2009/2010.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.

- A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
- A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermitees.
- A list of inspections conducted during the fiscal year, including inspection findings.
- The City's current inventories of industrial and commercial businesses.
- Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.
 - A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
 - A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
 - Identification of high priority residential areas and BMPs or other actions taken to mitigate potential pollutant discharges from those areas in particular.
- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Note that we plan to reference the Dry Weather Monitoring Program report rather than including a summary of the data as has been done in past years. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.
 - A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
 - A list of complaints and hotline calls received and how they were resolved.
 - A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.
- Education: will include descriptions of various educational efforts by the City. The Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.
 - A description of education efforts conducted for each target community.
 - Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and "allowable" behaviors and discharges.
 - A list of educational materials distributed, including numbers as available.
- Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program. This section will include descriptions of public participation activities the City has sponsored or participated in, such as cleanup events and partnerships with local environmental groups.

- Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. A new fiscal analysis framework has been developed by the Copermittees, and it will need to be implemented for the 2009/2010 JURMP Annual Report. Adapting the City's financial information to the new format will require developing a different structure for the section and working with the City to match financial data to the standard categories provided in the new fiscal analysis framework adopted by the Copermittees.
- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared. It is also possible, although not exceptionally likely, that some regional effectiveness assessment measures and/or guidance will be developed by the time that preparation of the 2009/2010 JURMP Annual Report begins. If so, we will incorporate those measures and approaches as applicable.
- Special Investigations: will include descriptions of special studies and additional actions taken by the City during the reporting period.
- Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.

Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.

- **Report Preparation: Draft**

- We will prepare one (1) hard copy of a draft JURMP Annual Report for City review. An electronic copy of the report text may also be provided if desired.
- We will also prepare one volume of attachments for the draft JURMP Annual Report. In past years the amount of attachments has been substantial enough that a separate volume is required. Attachments generally include items such as educational materials, inspection forms, and Dry Weather Monitoring Program reports.

- **Responding to City Comments on the Draft Report**

- We anticipate receiving one round of technical comments on the draft report from the City. We anticipate that these comments will be sent as written comments on the hard copy of the report and will be sufficiently detailed that additional rounds of comments will not be necessary. Additional rounds of comments and/or comments on writing style in which the specific alternative wording requested is not provided in the comments may be incorporated on an additional, as-needed basis.

- **Report Preparation: Final**

- We will prepare and deliver two (2) hard copies and four (4) electronic copies of the final JURMP Annual Report and attachments. Our understanding is that all electronic files, including attachments and the certification statement, must be converted to pdf format and merged into a single pdf document in order to meet RWQCB paperless office requirements.



Project Schedule and Costs for Services

We propose the following schedule for preparing the 2009/2010 City of La Mesa JURMP Annual Report.

- Notice to Proceed: June 21, 2010
- Deliver Draft Report to City: August 31, 2010 (10 weeks)
- Receive Review Comments from City: September 14, 2010 (2 weeks)
- Deliver Final Report to City: September 24, 2010 (1.5 weeks)

We propose completing the aforementioned tasks on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$25,407. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

La Mesa 2009/2010 JURMP Annual Report

	Project Manager	Project Scientist	Asst Project Scientist	Clerk	ODC	Total
	Rates (\$/hr)					
TASKS	\$ 140.00	\$ 110.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Respond to RWQCB 2008/09 AR Comments						
Review Information, Write Response		1				\$110
					Subtotal	\$110
2) Coordinate Information Transfer with City						
Planning/Develop List of Questions	1	1	4			\$630
Call and Email City Personnel		4	8			\$1,200
Meet with City Personnel		8			\$43	\$923
Organize Information, Follow-up as Needed	2	6	16			\$2,460
					Subtotal	\$5,213
3) Prepare JURMP Annual Report						
Executive Summary	1	3				\$470
Introduction		1.5				\$165
New Development/Redevelopment	1	2	12			\$1,500
Construction	1	2	14			\$1,690
Municipal	1	2	16			\$1,880
Industrial/Commercial	1	2	14			\$1,690
Residential		2	8			\$980
IDDE	1	2	10			\$1,310
Education		2	11			\$1,265
Public Participation		2	6			\$790
Fiscal Analysis		4	3			\$725
Analysis of Program Effectiveness	2	10	4			\$1,760
Special Investigations		3	3			\$615
Conclusions			0.5			\$48
Overall Review	8					\$1,120
Address Comments from City	3	14	4			\$2,340
Report Reproduction and Delivery (Draft & Final)		4	4	14	\$147	\$1,737
					Subtotal	\$20,085
Totals	22	75.5	137.5	14	Grand Total	\$25,407

April 4, 2011
Project No. 201115W

Mr. Joe Kuhn
Stormwater Program Manager
City of La Mesa
8130 Allison Avenue
La Mesa, CA 91941

Re: Proposal to Prepare FY 2010/2011 JURMP Annual Report for the City of La Mesa

Dear Mr. Kuhn:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of La Mesa in the preparation of the fiscal year 2010/2011 JURMP Annual Report. Work will be conducted in accordance with the requirements of Regional Water Quality Control Board (RWQCB) Order No. R9-2007-0001 (Municipal Permit). The scope of services associated with this project includes the following tasks:

Task 1: Review and Respond to RWQCB Comments on FY 2009/2010 JURMP Annual Report

Our understanding is that the City is unlikely to receive any comments on its JURMP Annual Report. If some comments are received later in the year, however, or if the RWQCB issues a broad set of comments to the Copermittees as a group, we will structure the 2010/2011 JURMP Annual Report to address those comments.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during 2010/2011. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3. We assume that this task will mainly be conducted over the phone and through email, but eight hours, including travel time, are also allocated for meeting in person.

Task 3: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

• **Sections**

- Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
- Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, and a summary list of key achievements.
- Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP);

treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- A listing of the priority development projects which were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
 - An updated treatment control BMP inventory.
 - The number of treatment control BMPs inspected, including a summary of inspection results and findings.
 - A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
 - Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
 - A listing of any projects which received a SUSMP waiver.
 - A description of implementation of any SUSMP waiver mitigation program.
 - A description of Hydromodification Management Plan (HMP) development collaboration and participation.
 - A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
 - A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
 - A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
 - The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.
- Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.
- For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the

- rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.
- Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
 - A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.
- Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.
- A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
 - Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
 - Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
 - Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
 - Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
 - Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2010/2011.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.

- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.
 - A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
 - A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermitees.
 - A list of inspections conducted during the fiscal year, including inspection findings.
 - The City's current inventories of industrial and commercial businesses.
- Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.
 - A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
 - A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
 - Identification of high priority residential areas and BMPs or other actions taken to mitigate potential pollutant discharges from those areas in particular.
- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Note that we plan to reference the Dry Weather Monitoring Program report rather than including a summary of the data as has been done in past years. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.
 - A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
 - A list of complaints and hotline calls received and how they were resolved.
 - A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.

- Education: will include descriptions of various educational efforts by the City. The Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.
 - A description of education efforts conducted for each target community.
 - Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and “allowable” behaviors and discharges.
 - A list of educational materials distributed, including numbers as available.
- Public Participation: will include a description of the City’s efforts to involve the public in the development and implementation of its storm water program. This section will include descriptions of public participation activities the City has sponsored or participated in, such as cleanup events and partnerships with local environmental groups.
- Fiscal Analysis: will include a summary of the funding sources for the City’s storm water program and budget line items. A new fiscal analysis framework has been developed by the Copermittees, and it will need to be implemented for the 2010/2011 JURMP Annual Report. Adapting the City’s financial information to the new format will require developing a different structure for the section and working with the City to match financial data to the standard categories provided in the new fiscal analysis framework adopted by the Copermittees.
- Effectiveness Assessment: will include analyses of the effectiveness of the City’s storm water program. The matrix presented in the City’s 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared. It is also possible, although not exceptionally likely, that some regional effectiveness assessment measures and/or guidance will be developed by the time that preparation of the 2010/2011 JURMP Annual Report begins. If so, we will incorporate those measures and approaches as applicable.
- Special Investigations: will include descriptions of special studies and additional actions taken by the City during the reporting period.
- Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.

Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.

- **Report Preparation: Draft**

- We will prepare one (1) hard copy of a draft JURMP Annual Report for City review. An electronic copy of the report text may also be provided if desired.
- We will also prepare one volume of attachments for the draft JURMP Annual Report. In past years the amount of attachments has been substantial enough that a separate volume is required. Attachments generally include items such



as educational materials, inspection forms, and Dry Weather Monitoring Program reports.

- **Responding to City Comments on the Draft Report**

- We anticipate receiving one round of technical comments on the draft report from the City. We anticipate that these comments will be sent as written comments on the hard copy of the report or as tracked changes in the electronic copy of the report.

- **Report Preparation: Final**

- We will prepare and deliver two (2) hard copies and four (4) electronic copies of the final JURMP Annual Report and attachments. Our understanding is that all electronic files, including attachments and the certification statement, must be converted to pdf format and merged into a single pdf document in order to meet RWQCB paperless office requirements.

Project Schedule and Costs for Services

We propose the following schedule for preparing the 2010/2011 City of La Mesa JURMP Annual Report.

- Notice to Proceed: June 20, 2011
- Deliver Draft Report to City: August 31, 2011 (10 weeks)
- Receive Review Comments from City: September 14, 2011 (2 weeks)
- Deliver Final Report to City: September 23, 2011 (1.5 weeks)

We propose completing the aforementioned tasks on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$25,407. This is the same cost as last year. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

Please feel free to contact us if you have any questions regarding this proposal.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

La Mesa 2010/2011 JURMP Annual Report

	Project Manager	Senior Scientist	Asst Project Scientist	Staff Scientist II	Word Processor	ODC	Total
	Rates (\$/hr)						
TASKS	\$ 140.00	\$ 120.00	\$ 100.00	\$ 92.00	\$ 55.00		
	HOURS						
1) Respond to RWQCB 2009/2010 AR Comments							
Review Information, Write Response		1					\$120
						Subtotal	\$120
2) Coordinate Information Transfer with City							
Planning/Develop List of Questions		1	4				\$520
Call and Email City Personnel		2	6	6			\$1,392
Meet with City Personnel		4	4			\$43	\$923
Organize Information, Follow-up as Needed		2	8	12			\$2,144
						Subtotal	\$4,979
3) Prepare JURMP Annual Report							
Executive Summary	1	3					\$500
Introduction		1.5					\$180
New Development/Redevelopment	1	2	12				\$1,580
Construction	1	2	14				\$1,780
Municipal	1	2	16				\$1,980
Industrial/Commercial	1	2	14				\$1,780
Residential			2	8			\$936
IDDE		1	2	10			\$1,240
Education			2	11			\$1,212
Public Participation			2	6			\$752
Fiscal Analysis		4	3				\$780
Analysis of Program Effectiveness	2	4	10				\$1,760
Special Investigations		3	3				\$660
Conclusions			1				\$100
Overall Review	8						\$1,120
Address Comments from City	3	6	12				\$2,340
Report Reproduction and Delivery (Draft & Final)		1	2	5	14	\$58	\$1,608
						Subtotal	\$20,308
Totals	18	41.5	117	58	14	Grand Total	\$25,407

August 31, 2006
Project No. 200620W

Mr. Din Daneshfar
City of National City
Engineering Department
1243 National City Boulevard
National City, CA 91950

**Re: Proposal for Implementation of the NPDES Program, Fiscal Year 06-07
City of National City, California**

Dear Mr. Daneshfar:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of National City in the implementation of the Federal National Pollutant Discharge Elimination System (NPDES) Program during the 2006-2007 reporting period. This work will be conducted in accordance with the NPDES requirements, the State of California General Industrial and Construction permits, and the San Diego Regional Water Quality Control Board (RWQCB) Municipal NPDES Permit. Note that it is anticipated that a new, reissued Municipal NPDES Permit will be issued during the 2006-2007 reporting period; this new permit is expected to result in increased storm water requirements for the City.

The scope of our services and estimated costs are attached to this proposal.

We look forward to working with you on this project. Please give me a call at (858) 586-6600 ext. 22 if you have any questions or would like to further discuss this proposal.

Sincerely,

D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager/Principal



EXHIBIT A

SCOPE OF SERVICES

The scope of services for this project will include but are not limited to the following tasks.

Project Coordination. Provide all project coordination necessary to perform the work for the City's National Pollutant Discharge Elimination System (NPDES) program implementation. Project coordination will include monthly project status meetings with the City of National City and other related agencies for the duration of this contract. Also included in the program coordination are

- Management of the program kick-off meeting and all necessary meetings with other concerned and involved agencies and community groups.
- Management of all project-related meetings, including agenda and meeting minute preparation and distributions.
- Assisting the City with coordination and correspondence with the RWQCB regarding National City's storm water program.

Data Management and GIS. In order to facilitate annual reporting, and to manage the JURMP inspection program on a day-to-day basis, data must be tracked and stored in a reliable, easy-to-use manner. This includes data from the City's construction, industrial, commercial, and municipal programs. D-MAX has created three separate Microsoft Access databases for the City: one each for construction inspections, industrial/commercial inspections, and a variety of municipal activities.

As the City Engineering Department has recently created a tracking database including information about a variety of permits, D-MAX will also work with the City to determine how that tracking database can best be integrated with the databases that D-MAX has created for the City. D-MAX will also assist the City in designing solutions for relating the data from various databases, including the use of geographic information systems (GIS). Additional tracking capabilities for the City's education and SUSMP programs may be added as well. The new Municipal Permit will likely require the development of a database to track location and maintenance of SUSMP treatment control BMPs. D-MAX will also regularly provide the City with copies of the databases it maintains.

In addition to database management, D-MAX will also assist the City in analyzing business license listings to determine JURMP prioritizations for new industrial and commercial businesses in the City. Those businesses will then be flagged for inspection in accordance with the procedure listed in the JURMP. We will further assist the City in designing and implementing revised procedures for prioritizing facilities in the City, in accordance with new Municipal Permit guidelines for facility prioritization.

Assist in Compliance Inspection Program. We will assist the City's compliance inspection team with the following services:

- Conducting construction field inspections



- Conducting industrial and commercial field inspections
- Conducting follow-up, complaint, or other special inspections
- Data entry into databases for these inspections

SUSMP Implementation and Document Preparation. We will assist the City in with implementation of the Standard Urban Storm Water Mitigation Plan (SUSMP) program as follows. Note that review of SUSMP and Storm Water Pollution Prevention Plan (SWPPP) documents are included under a different contract.

- Assist with required revisions to the City's SUSMP Ordinance and related ordinances, including developing a SUSMP manual
- Assist in complying with requirements of the SUSMP
- Conduct coordination meetings with various City departments and assist in refinement of the SUSMP process
- Review erosion and sediment control plans
- Assist in selecting and implementing BMPs
- Conduct educational presentations as required in Section 9 of the City's JURMP and/or the Municipal Permit
- Prepare SUSMPs and construction SWPPPs for City Capital Improvement Projects

Dry Weather Analytical Monitoring and Field Screening. This task will include conducting one round of field screening in accordance with the requirements of the RWQCB Municipal Permit. The objective of this program is to detect and eliminate illicit connections and illegal discharges (IC/IDs) in order to minimize the negative impacts of human activities on receiving water bodies. The City of National City has identified 15 primary monitoring stations where data will be collected during the dry weather analytical and field screening monitoring program. This task will include the following:

Visual Observations: Visual observations include looking for evidence of dry weather flows such as staining, corrosion, sediment, surrounding vegetation, algae, mosquito larvae, insects, rodents and other animals in the vicinity of the outfall. .

Field Analysis: At each site the flow and its temperature will be measured, and a sample will be taken for field analyses of the following parameters:

- Specific conductance
- Temperature
- Turbidity
- pH
- Reactive Phosphorus
- Nitrate Nitrogen
- Ammonia Nitrogen
- Surfactants (MBAS)



Analytical Monitoring: Water samples from 25 percent of the sites where ponded or flowing water is observed, will be collected and submitted to a California Department of Health Services certified laboratory for analysis of the following constituents:

- Total hardness
- Surfactants (MBAS)
- Oil and grease
- Diazinon and Chlorpyrifos
- Cadmium (Dissolved)
- Copper (Dissolved)
- Lead (Dissolved)
- Zinc (Dissolved)
- Enterococcus bacteria
- Total Coliform bacteria
- Fecal Coliform bacteria

Preparation of a Summary Report: At the conclusion of the field screening program, a report will be prepared to summarize the observations and the results of the study. The report will include our interpretation of the field data and test results as to the possible presence of IC/IDs.

Notes: If the dry weather monitoring program is conducted after the adoption of the new Municipal Permit, monitoring for trash will also be required. Additionally, it is possible that dissolved copper will be monitored during field screening, not analytical monitoring.

Follow-Up Investigations. During the dry weather field screening program if field investigations do not reveal a specific source of contamination, or if the results of the laboratory analysis indicate presence of pollutants in excess of action levels, further investigation will be conducted which may include the following steps:

- Tracing flows or discharges upstream
- Conducting field screening sampling
- Contacting dischargers
- Sampling for laboratory analysis
- Documenting source investigations

At the conclusion of the follow-up investigations, a summary report will be prepared summarizing the findings, conclusions and recommendations. Note that if this program is conducted after the adoption of the new Municipal Permit, follow-up investigations based on laboratory analytical results will likely be required within two business days of receiving the lab results. That change is likely to result in additional costs due to increased difficulty with coordinating field crew logistics on short notice.



Preparation of JURMP Annual Report / NPDES Program Effectiveness Assessment. As a requirement of the Municipal Permit, the City must produce an annual report to the RWQCB detailing the activities that have been conducted during the previous reporting period to reduce pollutants in urban runoff. The JURMP Annual Report serves to document the activities that the City has conducted during the past reporting period of July 1, 2003 through June 30, 2004. In order to prepare the required report we will conduct the following:

Coordinate Information Transfer with City personnel

Contacting several City departments to acquire information on the program implementation and special activities carried out through the year. We will have initial meetings with responsible personnel at each department to prepare a plan for receiving information regarding the implementation of the City's JURMP. We will stay in contact with the City's departments thereafter. Pertinent information will be acquired under this task to be used in the report.

Prepare Annual JURMP Report

This task includes the preparation of the Annual JURMP Report in accordance with the Municipal Permit Section I. This includes addressing the following:

- ***Comprehensive Description of Activities***
 - Land-Use Planning
 - Construction
 - Existing Development
 - Education
 - Illicit Discharge Detection and Elimination
 - Public Participation
 - Assessment of JURMP Effectiveness
 - Fiscal Analysis
- ***Documentation/Accounting of Activities***
 - Illicit Discharges Report
 - Inspections Conducted
 - Enforcement Actions
 - Education Efforts
- ***Public Participation Mechanism***
- ***JURMP Revisions***
- ***Special Investigations***
- ***Fiscal Analysis***
- ***Ineffective Management Measures***
- ***Identification of Water Quality Improvements***
- ***Assessment of Program Effectiveness.***
 - The County of San Diego in association with assessment work group has developed some methodologies for assessing the effectiveness of the storm water program. These methodologies require gathering



and presenting all the information of the Copermittee's activities including BMPs and identifying expected effects on the storm water pollution prevention. We will assist the City to evaluate the effectiveness of the City's program in accordance with the County and work group proposed methodologies.

Document Revisions for New Permit Requirements. The new Municipal Permit will require revisions to the City's JURMP. D-MAX will assist the City with identifying which areas of the JURMP need revision and developing new programs or revising existing programs to meet the new requirements. This process will require considerable coordination and discussion with City staff to ensure that program modifications are as practical, efficient, and effective as possible. We will also assist the City with making required revisions to the SUSMP Ordinance and related City codes necessitated by the reissuance of the Municipal Permit.

The new Municipal Permit will likely also require significant revisions to the WURMP document, including development of new watershed strategies. We will assist the City by working with the other watershed Copermittees to select and develop watershed activities that will meet the new Municipal Permit requirements. We will also help the City integrate overall, watershed wide approaches into the City's existing programs.

Training and Education. D-MAX will conduct educational workshops at the City's request to target audiences identified in Section 9 of the JURMP document. Educational content will cover a variety of topics related to storm water quality and watershed concepts listed in Section 9.2 of the JURMP and be tailored to each specific audience. Suggested workshops and target audiences include the following:

Planning and Public Works/Engineering Departments

The goal of this workshop will be to inform the Planning and Engineering Departments of general concepts listed in Section 9.2 and to address new Permit requirements relevant to each department. The Permit requires changes in land-use planning and engineering aspects of new development and redevelopment projects within the City, including the implementation of the City's SUSMP.

The workshop will be targeted towards public works employees and will also cover the general concepts of Section 9.2, and further address changes in public works operations required by the Municipal Permit. Such changes include construction site management requirements and implementation and maintenance of best management practices.

Construction Inspectors

The educational workshop for construction inspectors will include general concepts listed in Section 9.2 and additionally cover such topics as BMP implementation and maintenance, good housekeeping measures, site inspections and inspection frequency.

School Students

We will assist the City in providing training workshops for school students. The topics for these workshops include the source of pollutants, the impact



of pollutants on the receiving water bodies and BMPs to prevent the pollutions.

Educational Materials

We will assist the City in developing educational materials such as pamphlets, calendars, articles for newsletter or websites, or fact sheets. These materials may to be targeted at the development community, City residents, industrial and commercial businesses, City staff, or other audiences. The new Municipal Permit is anticipated to require additional education related to watershed concepts and watershed pollutants of concern.

Watershed Urban Runoff Management Program. City of National City is located within the San Diego Bay watershed. The Municipal Permit requires each Copermittee to collaborate with other Copermittees within its watershed to identify and mitigate the highest priority water quality issues/pollutants in the watershed.

D-MAX will coordinate with the watershed Copermittees on behalf of the City of National City and fulfill the group requirements per the City instructions. In each of the last three years, we have assisted the City by helping write the San Diego Bay WURMP Annual Reports, and the City has been listed as among the primary authors of those annual reports.

Representing the City in Various Meetings. D-MAX will represent the City of National City in various meetings including those with other Copermittees, the Regional Board, and/or Regional Workgroups.

Other Storm Water Services. It has been our experience with other local municipalities and with the City of National City that storm water related situations arise from time to time that require immediate or expert action. For example, additional services related to the Paleta Creek/7th Street Channel TMDL, which is currently under development, may be required. D-MAX will be pleased to provide any other as-needed, on-call services to the City of National City that have not been identified above.



EXHIBIT B
COST SUMMARY & FEE SCHEDULE

We propose to complete the aforementioned services on a time and materials basis (not to exceed \$200,000 total) in accordance with the attached schedule of fees. Our estimated costs are listed below

Task Description	Estimated Cost
Project Coordination	\$15,000
Data Management and GIS	\$18,000
Assist in Compliance Inspection Program	\$20,000
SUSMP Implementation and Document Preparation	\$15,000
Dry Weather Analytical Monitoring and Field Screening	\$15,000
Follow-Up Investigations	\$8,000
Preparation of JURMP Annual Report / NPDES Program Effectiveness Assessment	\$20,000
Document Revisions for New Permit Requirements	\$25,000
Training and Education	\$25,000
Watershed Urban Runoff Management Programs	\$15,000
Representing The City in Various Meeting	\$6,000
Other Storm Water Services	\$18,000
TOTAL	\$200,000



SCHEDULE OF FEES

January 1, 2006

This Schedule of Fees will be adjusted periodically. The new fee schedule will apply to all existing and new work.

LABOR

<u>Classification</u>	<u>Hourly Rate</u>
Clerk*	\$ 45
Word Processor*	55
Drafter*	60
Technician*	55
Senior Technician*	70
Staff Scientist/Engineer	85
Assitant Project Scientist/Engineer	95
Project Scientist/Engineer	105
Senior Scientist/Engineer	115
Principal Scientist/Engineer	130

* Overtime (in excess of 8 hours per day) and weekend hours will be charged at 1.5 times the above rates for non-exempt personnel.

Field and hourly services will be charged portal to portal from our office, with a two-hour minimum.

Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$200/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

OTHER CHARGES

Subcontracted services, such as subconsultants, outside testing, drilling, and surveyors, will be charged at cost plus 15%. 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 15%.

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

The mileage charge for personal vehicles used on projects will be the current rate as established by the Internal Revenue Service. Company-owned vehicles will be charged at a rate of \$0.52 per mile.

August 13, 2007
Project No. 200720W

Mr. Din Daneshfar
City of National City
Engineering Department
1243 National City Boulevard
National City, CA 91950

**Re: Proposal for Implementation of the NPDES Program, Fiscal Year 07-08
City of National City, California**

Dear Mr. Daneshfar:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of National City in the implementation of the Federal National Pollutant Discharge Elimination System (NPDES) Program during the 2007-2008 reporting period. This work will be conducted in accordance with the NPDES requirements, the State of California General Industrial and Construction permits, and the San Diego Regional Water Quality Control Board (RWQCB) newly issued Municipal NPDES Permit Order No. R9-2007-0001.

The scope of our services and estimated costs are attached to this proposal.

We look forward to working with you on this project. Please give me a call at (858) 586-6600 ext. 22 if you have any questions or would like to further discuss this proposal.

Sincerely,

D-MAX Engineering, Inc.

A handwritten signature in cursive script that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager/Principal



EXHIBIT A

SCOPE OF SERVICES

D-MAX will provide storm water services to assist the City of National City in complying with the National Pollutant Discharge Elimination System (NPDES) permits and enhance the water quality of runoff generated within the City. The following is a list of tasks anticipated to be necessary during the fiscal year. However, there may be unanticipated tasks that are necessary to complete but are not addressed herein. The tasks will be conducted in an order of priority as set by the City.

Project Coordination. Provide all project coordination necessary to perform the work for the City's NPDES program implementation. Project coordination will include monthly project status meetings with the City of National City and other related agencies for the duration of this contract. Also included in the program coordination are

- Management of the program kick-off meeting and all necessary meetings with other concerned and involved agencies and community groups.
- Management of all project-related meetings, including agenda and meeting minute preparation and distributions.
- Assisting the City with coordination and correspondence with the RWQCB regarding National City's storm water program.

Data Management and GIS. To facilitate annual reporting and to manage various JURMP programs on a day-to-day basis, data must be tracked and stored in a reliable, easy-to-use manner. This includes data from the City's construction, industrial, commercial, development, and municipal programs. D-MAX has created four separate Microsoft Access databases for the City: one each for construction inspections, industrial/commercial inspections, standard urban storm water mitigation plan (SUSMP) post-construction best management practice (BMP) tracking and inspections, and a variety of municipal activities.

As the City Engineering Department has recently created a tracking database including information about a variety of permits, D-MAX may also work with the City to determine how that tracking database can best be integrated with the databases that D-MAX has created for the City. D-MAX will also assist the City in designing solutions for relating the data from various databases, including the use of geographic information systems (GIS). Additional tracking capabilities for the City's education program may be added as well, and a database to record and manage information from the City's water quality monitoring programs may be developed. D-MAX will regularly provide the City with copies of the databases it maintains.

In addition to database management, D-MAX will also assist the City in analyzing business license listings to determine JURMP prioritizations for new industrial and commercial businesses in the City. Those businesses will then be flagged for inspection in accordance with the procedure listed in the JURMP. We will further assist the City in designing and implementing revised procedures for prioritizing facilities in the City, in accordance with new Municipal Permit guidelines for facility prioritization.



Assist in Compliance Inspection Program. We will assist the City's compliance inspection team with the following services:

- Conducting construction field inspections
- Conducting industrial and commercial field inspections
- Conducting SUSMP post-construction BMP inspections
- Conducting follow-up, complaint, or other special inspections
- Data entry into databases for these inspections

SUSMP Implementation and Document Preparation. We will continue to assist the City with implementation of the Standard Urban Storm Water Mitigation Plan (SUSMP) program as follows. Note that review of SUSMP and Storm Water Pollution Prevention Plan (SWPPP) documents are included under a different contract.

- Assist with required revisions to the City's SUSMP Ordinance and related ordinances, including developing a SUSMP manual per the new Municipal Permit requirements
- Assist in complying with requirements of the SUSMP
- Conduct coordination meetings with various City departments and assist in refinement of the SUSMP process
- Review erosion and sediment control plans
- Assist in selecting and implementing BMPs
- Conduct educational presentations as required in the City's JURMP and Section D.5.b.(b) of the new Municipal Permit
- Prepare SUSMPs and construction storm water pollution prevention plans (SWPPP) for City Capital Improvement Projects

Dry Weather Field Screening and Analytical Monitoring. This task will include conducting one round of field screening in accordance with the requirements of the RWQCB Municipal Permit. The objective of this program is to detect and eliminate illicit connections and illegal discharges (IC/IDs) in order to minimize the negative impacts of human activities on receiving water bodies. The City of National City has identified 15 primary monitoring stations where data will be collected during the dry weather analytical and field screening monitoring program. This task will include the following:

Visual Observations: Visual observations include looking for evidence of dry weather flows such as staining, corrosion, sediment, surrounding vegetation, algae, mosquito larvae, insects, rodents and other animals in the vicinity of the outfall. .

Field Analysis: At each site the flow and its temperature will be measured, and a sample will be taken for field analyses of the following parameters:

- Specific conductance
- Temperature
- Turbidity



- pH
- Reactive Phosphorus
- Nitrate Nitrogen
- Ammonia Nitrogen
- Surfactants (MBAS)

Analytical Monitoring: Water samples from 25 percent of the sites where ponded or flowing water is observed, will be collected and submitted to a California Department of Health Services certified laboratory for analysis of the following constituents:

- Total hardness
- Surfactants (MBAS)
- Oil and grease
- Diazinon and Chlorpyrifos
- Cadmium (Dissolved)
- Copper (Dissolved)
- Lead (Dissolved)
- Zinc (Dissolved)
- Enterococcus bacteria
- Total Coliform bacteria
- Fecal Coliform bacteria

Preparation of a Summary Report: At the conclusion of the field screening program, a report will be prepared to summarize the observations and the results of the study. The report will include our interpretation of the field data and test results as to the possible presence of IC/IDs.

Notes: This task will be completed during the summer of 2007. Per the requirements of the new Municipal Permit, dry weather monitoring during the summer of 2007 will be conducted according to the same procedure established under the previous Municipal Permit (Order 2001-01). The new dry weather requirements of the new Municipal Permit will go into effect in the summer of 2008.

Follow-Up Investigations. During the dry weather field screening program if field investigations do not reveal a specific source of contamination, or if the results of the laboratory analysis indicate presence of pollutants in excess of action levels, further investigation will be conducted which may include the following steps:

- Tracing flows or discharges upstream
- Conducting field screening sampling
- Contacting dischargers
- Sampling for laboratory analysis
- Documenting source investigations



At the conclusion of the follow-up investigations, a summary report will be prepared summarizing the findings, conclusions and recommendations. Note that this program will be conducted according to the same procedure used in 2006; the new follow-up requirements of the new Municipal Permit will need to be implemented in the 2008 dry weather season.

Preparation of JURMP Annual Report / NPDES Program Effectiveness Assessment. As a requirement of the Municipal Permit, the City must produce an annual report to the RWQCB detailing the activities that have been conducted during the previous reporting period to reduce pollutants in urban runoff. The JURMP Annual Report serves to document the activities that the City has conducted during the past reporting period of July 1, 2006 through June 30, 2007. In order to prepare the required report we will conduct the following:

Coordinate Information Transfer with City personnel

Contacting several City departments to acquire information on the program implementation and special activities carried out through the year. We will have initial meetings with responsible personnel at each department to prepare a plan for receiving information regarding the implementation of the City's JURMP. We will stay in contact with the City's departments thereafter. Pertinent information will be acquired under this task to be used in the report.

Prepare Annual JURMP Report

This task includes the preparation of the Annual JURMP Report in accordance with Section I of the previous Municipal Permit. Because the new Municipal Permit was not in effect in 2006-2007, the Annual Report prepared this year will report on compliance with the previous Municipal Permit in the format required by the previous Municipal Permit. This includes addressing the following:

- ***Comprehensive Description of Activities***
 - Land-Use Planning
 - Construction
 - Existing Development
 - Education
 - Illicit Discharge Detection and Elimination
 - Public Participation
 - Assessment of JURMP Effectiveness
 - Fiscal Analysis
- ***Documentation/Accounting of Activities***
 - Illicit Discharges Report
 - Inspections Conducted
 - Enforcement Actions
 - Education Efforts
- ***Public Participation Mechanism***
- ***JURMP Revisions***



- **Special Investigations**
- **Fiscal Analysis**
- **Ineffective Management Measures**
- **Identification of Water Quality Improvements**
- **Assessment of Program Effectiveness.**
 - The County of San Diego in association with assessment work group has developed some methodologies for assessing the effectiveness of the storm water program. These methodologies require gathering and presenting all the information of the Copermittee's activities including BMPs and identifying expected effects on the storm water pollution prevention. We will assist the City to evaluate the effectiveness of the City's program in accordance with the County and work group proposed methodologies.

Document Revisions for New Permit Requirements. The new Municipal Permit requires revisions to the City's JURMP. D-MAX will continue to assist the City with revising its JURMP to meet the new requirements. This process requires considerable coordination and discussion with City staff to ensure that program modifications are as practical, efficient, and effective as possible.

We will also assist the City with making required revisions to the SUSMP Ordinance and related City codes necessitated by the reissuance of the Municipal Permit. Further, we anticipate that documents related to the new MS4 monitoring and source identification monitoring programs required by the new Municipal Permit will need to be prepared. This work will likely include research to select sites in the City and preparation of monitoring plans. Permits to allow the City to resume channel maintenance activities will also likely need to be acquired in 2007-2008. That process is anticipated to involve coordinating with the RWQCB, the Army Corps of Engineers, and the California Department of Fish and Game.

The new Municipal Permit will likely also require significant revisions to the WURMP document, including development of new watershed strategies. We will assist the City by working with the other watershed Copermittees to select and develop watershed activities that will meet the new Municipal Permit requirements. We will also help the City integrate overall, watershed wide approaches into the City's existing programs.

Training and Education. D-MAX will conduct educational workshops at the City's request to target audiences identified in the JURMP document. Educational content will cover a variety of topics related to storm water quality and watershed concepts listed in the JURMP and be tailored to each specific audience. Suggested workshops and target audiences include the following:

Planning and Engineering Departments

The goal of this workshop will be to inform the Planning and Engineering Departments of general concepts listed in the JURMP and to address new Permit requirements relevant to each department. The Permit requires changes in land-use planning and engineering aspects of new development and redevelopment projects within the City, including the implementation of



the City's SUSMP. Among the new requirements is the implementation of Low Impact Development (LID) measures for all development projects.

Public Works Staff

The workshop will be targeted towards public works employees and will focus mainly on the practical aspects of BMP implementation. It will also address changes in public works operations required by the Municipal Permit, such as effects on channel maintenance and storm drain cleanout frequency. In the event that the City's NPDES Storm Water Compliance Inspector conducts this training, D-MAX will not provide a training for this audience.

Construction Inspectors

The educational workshop for construction inspectors will include general concepts listed in the JURMP and additionally cover such topics as BMP implementation and maintenance, good housekeeping measures, site inspections and inspection frequency.

School Students

We will assist the City in providing training workshops for school students. The topics for these workshops include the source of pollutants, the impact of pollutants on the receiving water bodies and BMPs to prevent the pollutions.

Workshops

At the request of the City, we will provide targeted educational workshops for various industry or stakeholder groups. D-MAX has recently conducted workshops for industrial businesses, automotive businesses, the development and construction industry, and City residents.

Educational Materials

We will assist the City in developing educational materials such as pamphlets, calendars, articles for newsletter or websites, or fact sheets. These materials may be targeted at the development community, City residents, industrial and commercial businesses, City staff, or other audiences. The new Municipal Permit requires additional education related to watershed concepts and watershed pollutants of concern.

Watershed Urban Runoff Management Program. City of National City is located within the San Diego Bay watershed. The Municipal Permit requires each Copermittee to collaborate with other Copermittees within its watershed to identify and mitigate the highest priority water quality issues/pollutants in the watershed.

D-MAX will coordinate with the watershed Copermittees on behalf of the City of National City and fulfill the group requirements per the City instructions. In each of the last three years, we have assisted the City by helping write the San Diego Bay WURMP Annual Reports, and the City has been listed as among the primary authors of those annual reports.

Representing the City in Various Meetings. D-MAX will represent the City of National City in various meetings including those with other Copermittees, the Regional Board, and/or Regional Workgroups.



Other Storm Water Services. It has been our experience with other local municipalities and with the City of National City that storm water related situations arise from time to time that require immediate or expert action. For example, additional services related to the Paleta Creek/7th Street Channel TMDL, which is currently under development, may be required. D-MAX will be pleased to provide any other as-needed, on-call services to the City of National City that have not been identified above.



EXHIBIT B
COST SUMMARY & FEE SCHEDULE

We propose to complete the aforementioned services on a time and materials basis (not to exceed \$200,000 total) in accordance with the attached schedule of fees. Our estimated costs are listed below

Task Description	Estimated Cost
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Follow-Up Investigations	\$8,000
Preparation of JURMP Annual Report / NPDES Program Effectiveness Assessment	\$20,000
Document Revisions for New Permit Requirements	\$30,000
Training and Education	\$25,000
Watershed Urban Runoff Management Programs	\$15,000
Representing the City in Various Meetings	\$10,000
Other Storm Water Services	\$9,000
TOTAL	\$200,000



SCHEDULE OF FEES

January 1, 2007

This Schedule of Fees will be adjusted periodically. The new fee schedule will apply to all existing and new work.

LABOR

<u>Classification</u>	<u>Hourly Rate</u>
Clerk*	\$ 45
Word Processor*	55
Drafter*	60
Technician*	55
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Staff Scientist/Engineer	85
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Field and hourly services will be charged portal to portal from our office, with a two-hour minimum.

Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$200/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

OTHER CHARGES

Subcontracted services, such as subconsultants, outside testing, drilling, and surveyors, will be charged at cost plus 15%. 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 15%.

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

The mileage charge for personal vehicles used on projects will be the current rate as established by the Internal Revenue Service. Company-owned vehicles will be charged at a rate of \$0.60 per mile.

May 29, 2008
Project No. 200826W

Mr. Din Daneshfar
Engineering Department
City of National City
1243 National City Boulevard
National City, CA 91950

Re: Proposal to Prepare FY 2007/2008 JURMP Annual Report for the City of National City

Dear Din:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of National City (City) in the preparation of the fiscal year 2007/2008 Jurisdictional Urban Runoff Management Program (JURMP) Annual Report. In previous years, the JURMP Annual Report was due to the Regional Water Quality Control Board (RWQCB) at the end of January, allowing seven months after the end of the fiscal year for the preparation and delivery of the report. Based on recent changes to the City's storm water permit, however, the 2007/2008 JURMP Annual Report is due to the RWQCB by the end of September 2008. In order to meet this permit-mandated deadline, work will need to be completed in July and August 2008. Usually our contracts with the City extend from August in one year to August the next year, with the current agreement running from August 2007 to August 2008. The current contract includes budget for completing only one JURMP Annual Report, and we have already completed the 2006/2007 JURMP Annual Report. In order to complete a second JURMP Annual Report, additional budget is necessary.

The scope of services associated with preparing the 2007/2008 JURMP Annual Report includes the following tasks:

Task 1: Review and Respond to RWQCB Comments on FY 2006/2007 JURMP Annual Report

Once they become available, we will review the Regional Water Quality Control Board's (RWQCB) comments on the last JURMP Annual Report to identify areas of concern to the RWQCB. We will assist the City in preparing a response to the comments and will structure the 2007/2008 JURMP Annual Report to address the comments where applicable. We assume that the level of comments received will be similar to that received last year and that any comments received will not result in major restructuring of the report or additional analysis beyond the scope of what is described in Task 3 below.

Task 2: Coordinate Information Transfer with City Personnel

We will coordinate with the City to acquire information regarding the program implementation and special activities carried out during 2007/2008. We assume that, as in previous years, City storm water staff will coordinate obtaining information from other departments in the City. We anticipate that gathering information for this report will be somewhat more difficult than in previous years due to the changes in questions and the earlier deadline for receiving information. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further

follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3.

Task 3: Prepare JURMP Annual Report

This task includes the preparation of the JURMP Annual Report in accordance with both the previous and current versions of the San Diego Municipal Storm Water Permit (Order 2001-01 and Order No. R9-2007-0001, respectively). The City was required to begin implementing the requirements of Order No. R9-2007-0001 no later than March 24, 2008, but some program elements or portions of program elements may have begun operating under the new program designs earlier. Determining the dates when the new programs were implemented will be part of the information collection process in Task 2.

Because the reporting requirements for the two different orders are different, most sections of the Annual Report will need to discuss how the program element met the requirements of each permit and when the Order No. R9-2007-0001 program was fully implemented. The following components and tasks will be included in the JURMP Annual Report.

- **Global changes**
 - Update order, titles, and content of sections and subsections to match the regionally standardized JURMP Annual Report format submitted to the RWQCB in July 2007 and the JURMP update completed in March 2008.
 - Include discussions of how each program element met the applicable requirements of both Order 2001-01 and Order No. R9-2007-0001.
- **Sections**
 - Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
 - Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, a reference to any RWQCB comments on the City's 2006/2007 JURMP Annual Report (if applicable, the response will be included as an attachment), and a summary list of key achievements.
 - Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP); treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A listing of the priority development projects which were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
 - An updated treatment control BMP inventory.
 - The number of treatment control BMPs inspected, including a summary of inspection results and findings.
 - A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.

- Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
 - A listing of any projects which received a SUSMP waiver.
 - A description of implementation of any SUSMP waiver mitigation program.
 - A description of Hydromodification Management Plan (HMP) development collaboration and participation.
 - A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
 - A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
 - A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
 - The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.
- Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.
 - Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
 - A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.
 - Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Order No. 2007-0001 includes a number of changes in requirements for municipal programs, many of which require significantly more detailed data than has been available in the past. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.

- Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
- Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
- Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
- Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
- Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2007/2008.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
 - A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermittees.
- Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
 - A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to

recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Note that we plan to reference the Dry Weather Monitoring Program report rather than including a summary of the data as has been done in past years. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.

- Correction of any inaccuracies in either the MS4 map or the Dry Weather Field Screening and Analytical Stations Map.
- A summary of changes to the Dry Weather Monitoring Program, including the addition of trash assessment and follow-up of laboratory exceedances within two business days.
- Education: will include descriptions of various educational efforts by the City. The new Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of education efforts conducted for each target community
 - Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and "allowable" behaviors and discharges
- Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program. The requirements of this section are not substantially different from what was required under RWQCB Order 2001-01.
- Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. This section should have the same format as the fiscal analysis sections for previous annual reports have had; new fiscal analysis reporting requirements are being developed but are not likely to be available before January 2009.
- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared. Order No. R9-2007-0001 requires a significantly more detailed assessment of program effectiveness than what had previously been required.
- Special Investigations: will include a summary of any additional progress on the clean community program and any other relevant special studies completed during 2007-2008.
- Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.
- Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.
- **Report Preparation: Draft**
 - We will prepare two (2) hard copies of a draft JURMP Annual Report for City review. An electronic copy of the report text may also be provided if desired.
 - We will also prepare one volume of attachments for the draft JURMP Annual Report. In past years the amount of attachments has been substantial enough

that a separate volume is required. Attachments generally include items such as educational materials, inspection forms, and Dry Weather Monitoring Program reports. We will also convert hard copies of attachments supplied by the City to electronic format where necessary.

- **Responding to City Comments on the Draft Report**
 - We anticipate receiving and incorporating one round of technical comments on the draft report from the City.
- **Report Preparation: Final**
 - We will prepare and deliver two (2) hard copies and four (4) electronic copies of the final JURMP Annual Report and attachments. We will also provide one additional copy of the text of the JURMP Annual Report, not including attachments. Our understanding is that all electronic files, including attachments and the certification statement, must be converted to pdf format and merged into a single pdf document in order to meet RWQCB paperless office requirements.

Project Schedule and Costs for Services

We understand that the County of San Diego will need to receive the final report close to the end of September 2008. Because the reporting deadline is significantly earlier this year than it has been in previous years, we suggest beginning work before July 1, 2008. While not all necessary data will be available before July 1, we will be able to do initial preparation of questions and start collecting the information that is available at that point. We propose the following schedule.

- Notice to Proceed: June 16, 2008
- Deliver Draft Report to City: September 12, 2008
- Receive Review Comments from City: September 19, 2008
- Deliver Final Report to City: September 28, 2008.

We propose completing the services described in this proposal on a time and materials basis in accordance with the Schedule of Fees previously provided with our existing agreement with the City, not to exceed \$24,903. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.



Arsalan Dadkhah, Ph.D., P.E.
Project Manager

National City 2007/2008 JURMP Annual Report

	Project Manager	Project Scientist	Asst Project Scientist	Word Processor	ODC	Total
	Rates (\$/hr)					
TASKS	\$ 130.00	\$ 105.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Respond to RWQCB 2006/07 AR Comments						
Review Information, Write Response		6				\$630
					Subtotal	\$630
2) Coordinate Information Transfer with City						
Planning/Develop List of Questions	1	4	3			\$835
Call and Email City Personnel		4	8			\$1,180
Organize Information, Follow-up as Needed	1	4	8			\$1,310
					Subtotal	\$3,325
3) Prepare JURMP Annual Report						
Executive Summary	1	3				\$445
Introduction		2				\$210
New Development/Redevelopment	2	4	12			\$1,820
Construction	1	3	14			\$1,775
Municipal	2	4	18			\$2,390
Industrial/Commercial	1	4	14			\$1,880
Residential		2	8			\$970
IDDE	1	3	10			\$1,395
Education		2	12			\$1,350
Public Participation		2	6			\$780
Fiscal Analysis		1	1			\$200
Analysis of Program Effectiveness	4	12	8			\$2,540
Special Investigations		2	4			\$590
Conclusions			0.5			\$48
Overall Review	8	4				\$1,460
Address Comments from City	1	8	3			\$1,255
Report Reproduction and Delivery (Draft & Final)		4	4	16	\$160	\$1,840
					Subtotal	\$20,948
Totals	23	78	133.5	16	Grand Total	\$24,903

City of National City JURMP Cost Breakdown

	Principal Engineer	Project Scientist	Staff Scientist	Drafter	Word Processor	Clerk	ODC	Total
Rate	\$130	\$105	\$85	\$60	\$55	\$45		
Task								
Introduction	4	12		4				\$2,020
Municipal	4	16	24					\$4,240
Industrial/Commercial	6	18	24					\$4,710
Residential	2	8	16					\$2,460
Development Planning	4	20	20					\$4,320
Construction	4	18	12					\$3,430
Illicit Discharge Detection/Elimination	6	8	24	8				\$4,140
Education	2	4	12					\$1,700
Public Participation	2	2	8					\$1,150
Program Effectiveness Assessment	8	24	9					\$4,325
Fiscal Analysis	1	2.5						\$393
JUMRP Modification	2	4	20					\$2,380
Coordination Meetings with City	4	8	6					\$1,870
Report Preparation (Draft)	6	16	8	4	16	4	\$200	\$4,640
Report Preparation (Final)	2	4	4		8	4	\$400	\$2,040
Total	57	164.5	187	16	24	8	\$600	\$ 43,818

August 8, 2008
Project No. 200840W

Mr. Din Daneshfar
City of National City
Engineering Department
1243 National City Boulevard
National City, CA 91950

**Re: Proposal for Implementation of the NPDES Program, Fiscal Year 08-09
City of National City, California**

Dear Mr. Daneshfar:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of National City in the implementation of the Federal National Pollutant Discharge Elimination System (NPDES) Program during the 2008-2009 reporting period. This work will be conducted in accordance with the NPDES requirements, the State of California General Industrial and Construction permits, and the San Diego Regional Water Quality Control Board (RWQCB) recently issued Municipal NPDES Permit, Order No. R9-2007-0001.

The scope of our services and estimated costs are attached to this proposal.

We look forward to working with you on this project. Please give me a call at (858) 586-6600 ext. 22 if you have any questions or would like to further discuss this proposal.

Sincerely,

D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager/Principal



EXHIBIT A

SCOPE OF SERVICES

D-MAX will provide storm water services to assist the City of National City in complying with the National Pollutant Discharge Elimination System (NPDES) permits and enhance the water quality of runoff generated within the City. The following is a list of tasks anticipated to be necessary during the fiscal year. However, there may be unanticipated tasks that are necessary to complete but are not addressed herein. The tasks will be conducted in an order of priority as set by the City.

Project Coordination. Provide all project coordination necessary to perform the work for the City's NPDES program implementation. Project coordination will include monthly project status meetings with the City of National City and other related agencies for the duration of this contract. Also included in the program coordination are

- Management of the program kick-off meeting and all necessary meetings with other concerned and involved agencies and community groups.
- Management of all project-related meetings, including agenda and meeting minute preparation and distributions.
- Assisting the City with coordination and correspondence with the RWQCB regarding National City's storm water program.

Data Management and GIS. To facilitate annual reporting and to manage various JURMP programs on a day-to-day basis, data must be tracked and stored in a reliable, easy-to-use manner. This includes data from the City's construction, industrial, commercial, development, and municipal programs. D-MAX has created four separate Microsoft Access databases for the City: one each for construction inspections, industrial/commercial inspections, standard urban storm water mitigation plan (SUSMP) post-construction best management practice (BMP) tracking and inspections, and a variety of municipal activities. The City's SUSMP database should be updated to include the capacity to enter results from inspections and from maintenance verification letters sent out, and the linkage between inspection databases and the complaint database should be improved.

D-MAX will also assist the City in designing solutions for relating the data from various databases, including the use of geographic information systems (GIS). Additional tracking capabilities for the City's education program may be added as well, and a database to record and manage information from the City's water quality monitoring programs may be developed. Now that newly modified programs based on the City's recently updated JURMP have been implemented, updates to the City's databases will likely be necessary. D-MAX will regularly provide the City with copies of the databases it maintains.

In addition to database management, D-MAX will also assist the City in analyzing business license listings to determine JURMP prioritizations for new industrial and commercial businesses in the City. Those businesses will then be flagged for inspection in accordance with the procedure listed in the JURMP. We will further assist the City in



designing and implementing revised procedures for prioritizing facilities in the City, in accordance with new Municipal Permit guidelines for facility prioritization.

Assist in Compliance Inspection Program. We will assist the City's compliance inspection team with the following services:

- Conducting construction field inspections
- Conducting industrial and commercial field inspections
- Conducting SUSMP post-construction BMP inspections
- Conducting follow-up, complaint, or other special inspections
- Data entry into databases for these inspections

SUSMP Implementation and Document Preparation. We will continue to assist the City with implementation of the Standard Urban Storm Water Mitigation Plan (SUSMP) program as follows. This task also includes assisting the City in implementing tasks related to the new Hydromodification Management Plan (HMP) that is currently under development by the Copermittees and assisting the City with the new advanced treatment standards for construction projects. Note that review of SUSMP and Storm Water Pollution Prevention Plan (SWPPP) documents are included under a different contract.

- Assist with required revisions to the City's SUSMP Ordinance and related ordinances, including developing a SUSMP manual per the new Municipal Permit requirements
- Assist in complying with requirements of the SUSMP
- Conduct coordination meetings with various City departments and assist in refinement of the SUSMP process
- Review erosion and sediment control plans
- Assist in selecting and implementing BMPs
- Conduct educational presentations as required in the City's JURMP and Section D.5.b.(b) of the new Municipal Permit
- Prepare SUSMPs and construction storm water pollution prevention plans (SWPPP) for City Capital Improvement Projects

Dry Weather Field Screening and Analytical Monitoring. This task will include conducting one round of field screening in accordance with the requirements of the RWQCB Municipal Permit. The objective of this program is to detect and eliminate illicit connections and illegal discharges (IC/IDs) in order to minimize the negative impacts of human activities on receiving water bodies. The City of National City has identified 15 primary monitoring stations where data will be collected during the dry weather analytical and field screening monitoring program. This task will include the following:

Visual Observations: Visual observations include looking for evidence of dry weather flows such as staining, corrosion, sediment, surrounding vegetation, algae, mosquito larvae, insects, and animals in the vicinity of the outfall. .



Field Analysis: At each site the flow and its temperature will be measured, and a sample will be taken for field analyses of the following parameters:

- Specific conductance
- Temperature
- Turbidity
- pH
- Reactive Phosphorus
- Nitrate Nitrogen
- Ammonia Nitrogen
- Surfactants (MBAS)

Analytical Monitoring: Water samples from 25 percent of the sites where ponded or flowing water is observed, will be collected and submitted to a California Department of Health Services certified laboratory for analysis of the following constituents:

- Total hardness
- Oil and grease
- Diazinon and Chlorpyrifos
- Cadmium (Dissolved)
- Copper (Dissolved)
- Lead (Dissolved)
- Zinc (Dissolved)
- Enterococcus bacteria
- Total Coliform bacteria
- Fecal Coliform bacteria

Trash Monitoring: The new Municipal Permit requires that the City implement a trash monitoring program during dry weather monitoring. The Copermittee Dry Weather Monitoring Sub-Workgroup developed a trash assessment form and procedures for trash monitoring. We will complete a trash assessment form at each routine site visit.

Preparation of a Summary Report: At the conclusion of the field screening program, a report will be prepared to summarize the observations and the results of the study, including trash monitoring. The report will include our interpretation of the field data and test results as to the possible presence of IC/IDs.

Follow-Up Investigations. During the dry weather field screening program if field investigations do not reveal a specific source of contamination, or if the results of the laboratory analysis indicate presence of pollutants in excess of action levels, further investigation will be conducted which may include the following steps:

- Tracing flows or discharges upstream
- Conducting field screening sampling



- Contacting dischargers
- Sampling for laboratory analysis
- Documenting source investigations

At the conclusion of the follow-up investigations, a summary report will be prepared summarizing the findings, conclusions and recommendations. Per new Municipal Permit requirements, all laboratory analytical exceedances will be followed up within two business days of receiving the results from the lab. This is a more aggressive timeframe than previously required. Also, upstream investigations for bacteria will utilize Colilert and Enterolert methods for bacterial analyses. These newer methods are more accurate than the methods used in the past.

Additional Monitoring and Special Studies. The new Municipal Permit requires that the City conduct MS4 monitoring and source identification monitoring programs. The MS4 monitoring will likely be conducted concurrently with the dry weather monitoring program and will include additional laboratory analytical work. Additional monitoring studies may also be necessary for source investigation purposes. In some portions of the City exceedances have been noted for several consecutive years in the dry weather monitoring program, and it may be necessary to perform additional monitoring beyond the typical dry weather follow-up investigations to evaluate the effectiveness of measures taken to address the sources of the exceedances. The new Municipal Permit also includes stricter requirements for effectiveness assessment, including outcome levels 4, 5, and 6 (load reduction, change in quality of discharge, and change in receiving water quality). Additional monitoring may be required to evaluate the effectiveness of City activities in accordance with these requirements.

Document Revisions for New Permit Requirements. The new Municipal Permit required revisions to the City's JURMP, which were completed in 2007-2008. During 2008-2009, no major revisions to the JURMP are anticipated, but several changes in response to new Municipal Permit requirements are anticipated. A new Model SUSMP was recently prepared, and we will assist the City with making required revisions to the SUSMP Ordinance and related City codes. Further, we anticipate that documents related to the new MS4 monitoring and source identification monitoring programs required by the new Municipal Permit will need to be prepared. Permits to allow the City to resume channel maintenance activities will also likely need to be acquired. That process is anticipated to involve coordinating with the RWQCB, the Army Corps of Engineers, and the California Department of Fish and Game.

Training and Education. D-MAX will conduct educational workshops and/or prepare education materials at the City's request to target audiences identified in the JURMP document. An educational calendar has been prepared in each of the last several years, and another calendar incorporating artwork from school children in the City is planned for 2009. Educational content for other programs may cover a variety of topics related to storm water quality and watershed concepts listed in the JURMP and be tailored to each specific audience. Suggested workshops and target audiences include the topics listed on the following page:



Planning and Engineering Departments

The goal of this workshop will be to inform the Planning and Engineering Departments of general concepts listed in the JURMP and to address new Permit requirements relevant to each department. The Permit requires changes in land-use planning and engineering aspects of new development and redevelopment projects within the City, including the implementation of the City's SUSMP. Among the new requirements is the implementation of Low Impact Development (LID) measures for all development projects.

Public Works Staff

The workshop will be targeted towards public works employees and will focus mainly on the practical aspects of BMP implementation. It will also address changes in public works operations required by the Municipal Permit, such as effects on channel maintenance and storm drain cleanout frequency. In the event that the City's NPDES Storm Water Compliance Inspector conducts this training, D-MAX will not provide a training for this audience.

Construction Inspectors

The educational workshop for construction inspectors will include general concepts listed in the JURMP and additionally cover such topics as BMP implementation and maintenance, good housekeeping measures, site inspections and inspection frequency.

School Students

We will assist the City in providing training workshops for school students. The topics for these workshops include the source of pollutants, the impact of pollutants on the receiving water bodies and BMPs to prevent the pollutions.

Workshops

At the request of the City, we will provide targeted educational workshops for various industry or stakeholder groups. D-MAX has recently conducted workshops for industrial businesses, automotive businesses, the development and construction industry, and City residents.

Educational Materials

We will assist the City in developing educational materials such as pamphlets, calendars, articles for newsletter or websites, or fact sheets. These materials may to be targeted at the development community, City residents, industrial and commercial businesses, City staff, or other audiences. The new Municipal Permit requires additional education related to watershed concepts and watershed pollutants of concern.

Watershed Urban Runoff Management Program. The City of National City is located within the San Diego Bay Watershed. The Municipal Permit requires each Copermittee to collaborate with other Copermittees within its watershed to identify and mitigate the highest priority water quality issues/pollutants in the watershed.

D-MAX will coordinate with the watershed Copermittees on behalf of the City of National City and fulfill the group requirements per the City instructions. In each of the last three years, we have assisted the City by helping write the San Diego Bay WURMP Annual



Reports, and the City has been listed as among the primary authors of those annual reports. The RWQCB has recently completed an evaluation of various WURMP programs in the San Diego region, including the San Diego Bay WURMP. A report with findings and more specific direction for future watershed activities is anticipated in the fall of 2008. It is expected that some additional activities and modification of existing activities will be required by the RWQCB's report.

Representing the City in Various Meetings. D-MAX will represent the City of National City in various meetings including those with other Copermitees, the Regional Board, and/or Regional Workgroups. The City has taken on the responsibility of serving as the secretary for the Municipal Workgroup, and we will assist the City in fulfilling that responsibility.

Other Storm Water Services. It has been our experience with other local municipalities and with the City of National City that storm water related situations arise from time to time that require immediate or expert action. For example, additional services related to the Paleta Creek/7th Street Channel TMDL, which is currently under development, may be required. D-MAX will be pleased to provide any other as-needed, on-call services to the City of National City that have not been identified above.

EXHIBIT B

COST SUMMARY & FEE SCHEDULE

We propose to complete the aforementioned services on a time and materials basis (not to exceed \$200,000 total) in accordance with the attached schedule of fees. Our estimated costs are listed below.

	Principal Engineer	Project Scientist	Asst Proj Scientist	Staff Scientist	Drafter	Word Processor	Clerk	ODC*	Calculated Total	Rounded Total
Rate	\$140	\$110	\$95	\$85	\$65	\$55	\$50			
Task Description										
Project Coordination	60	50	20					\$400	\$16,200	\$16,000
Data Management and GIS	12	60	68	20		45			\$18,915	\$19,000
Assist in Compliance Inspection Program	8	16	40	206		18		\$1,800	\$26,980	\$27,000
SUSMP Implementation and Document Preparation	40	78	40					\$100	\$18,080	\$18,000
Dry Weather Analytical Monitoring and Field Screening	12	16		104	4	8		\$3,000	\$15,980	\$16,000
Follow-up Investigations	8	8		76	4	4		\$3,000	\$11,940	\$12,000
Additional Monitoring and Special Studies	12	14		60	2	2		\$1,500	\$10,060	\$10,000
Document Revisions for New Permit Requirements	20	45	40	30		12		\$200	\$14,960	\$15,000
Training and Education	40	54	60	20		20		\$5,000	\$25,040	\$25,000
Watershed Urban Runoff Management Programs	16	70	54	30		12		\$800	\$19,080	\$19,000
Representing the City in Various Meetings	30	50	16					\$800	\$12,020	\$12,000
Other Storm Water Services	12	16	16	64		8		\$200	\$11,040	\$11,000
Total	270	477	354	610	10	129	0	\$16,800	\$200,295	\$200,000

*ODC for Dry Weather Monitoring includes laboratory analytical costs, and ODC for Training and Education includes outside printing of materials (e.g., calendars).

EXHIBIT B
COST SUMMARY & FEE SCHEDULE

SCHEDULE OF FEES

July 1, 2008

This Schedule of Fees will be adjusted periodically. The new fee schedule will apply to all existing and new work.

LABOR

<u>Classification</u>	<u>Hourly Rate</u>
Clerk*	\$ 50
Word Processor*	55
Drafter*	65
Technician*	65
Senior Technician*	75
Staff Scientist/Engineer	85
Assistant Project Scientist/Engineer	95
Project Scientist/Engineer	110
Senior Scientist/Engineer	120
Principal Scientist/Engineer	140

OTHER CHARGES

Subcontracted services, such as sub consultants, outside testing, drilling, and surveyors, will be charged at cost plus 15%. 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 15%. Mileage will be charged at a rate of \$0.67 per mile.

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

* Overtime (in excess of 8 hours per day) and weekend hours will be charged at 1.5 times the above rates for non-exempt personnel.

Field and hourly services will be charged portal to portal from our office, with a two-hour minimum.

Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$200/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

**EXHIBIT C
PROJECT SCHEDULE**

Tasks	SEP 2008	OCT 2008	NOV 2008	DEC 2008	JAN 2009	FEB 2009	MAR 2009	APR 2009	MAY 2009	JUN 2009	
Project Coordination	[Red bar]										
Data Management	[Red bar]										
Assist in Compliance Inspection Program	[Red bar]										
Dry Weather Analytical Monitoring and Field Screening	[Red bar]										
Follow-Up Investigations		[Red bar]									
Additional Monitoring and Special Studies			[Red bar]								
Document Revisions for New Permit Requirements	[Red bar]										
Training and Education	[Red bar]										
Watershed Urban Runoff Management Program	[Red bar]										
Representing the City in Various Meetings	[Red bar]										
Other Storm Water Services	[Red bar]										

D-MAX Engineering, Inc.

Consultants in water & environmental sciences



May 4, 2009
Project No. 200927W

Mr. Din Daneshfar
City of National City
Engineering Department
1243 National City Boulevard
National City, CA 91950

**Re: Proposal for Implementation of the NPDES Program, Fiscal Year 09-10
City of National City, California**

Dear Mr. Daneshfar:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of National City in the implementation of the Federal National Pollutant Discharge Elimination System (NPDES) Program during the 2009-2010 reporting period. This work will be conducted in accordance with the NPDES requirements, the State of California General Industrial and Construction permits, and the San Diego Regional Water Quality Control Board (RWQCB) issued Municipal NPDES Permit, Order No. R9-2007-0001.

Our scope of services, estimated costs, and project schedule are attached to this proposal.

We look forward to working with you on this project. Please give me a call at (858) 586-6600 ext. 22 if you have any questions or would like to further discuss this proposal.

Sincerely,

D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager/Principal



EXHIBIT A

SCOPE OF SERVICES

D-MAX will provide storm water services to assist the City of National City in complying with the National Pollutant Discharge Elimination System (NPDES) permits and enhance the water quality of runoff generated within the City. The following is a list of tasks anticipated to be necessary during the fiscal year. However, there may be unanticipated tasks that are necessary to complete but are not addressed herein. The tasks will be conducted in an order of priority as set by the City.

Project Coordination. Provide all project coordination necessary to perform the work for the City's NPDES program implementation. Project coordination will include monthly project status meetings with the City of National City and other related agencies for the duration of this contract. Also included in the program coordination are

- Management of the program kick-off meeting and all necessary meetings with other concerned and involved agencies and community groups.
- Management of all project-related meetings, including agenda and meeting minute preparation and distributions.
- Assisting the City with coordination and correspondence with the RWQCB regarding National City's storm water program.

Data Management and GIS. To facilitate annual reporting and to manage various JURMP programs on a day-to-day basis, data must be tracked and stored in a reliable, easy-to-use manner. This includes data from the City's construction, industrial, commercial, development, and municipal programs. D-MAX has created four separate Microsoft Access databases for the City: one each for construction inspections, industrial/commercial inspections, standard urban storm water mitigation plan (SUSMP) post-construction best management practice (BMP) tracking and inspections, and a variety of municipal activities.

D-MAX will also assist the City in designing solutions for relating the data from various databases, including the use of geographic information systems (GIS). Additional tracking capabilities for the City's education program may be added as well, and a database to record and manage information from the City's water quality monitoring programs may be developed. D-MAX will regularly provide the City with copies of the databases it maintains.

In addition to database management, D-MAX will also assist the City in analyzing business license listings to determine JURMP prioritizations for new industrial and commercial businesses in the City. Those businesses will then be flagged for inspection in accordance with the procedure listed in the JURMP. We will further assist the City in designing and implementing revised procedures for prioritizing facilities in the City, in accordance with new Municipal Permit guidelines for facility prioritization.



Assist in Compliance Inspection Program. We will assist the City's compliance inspection team with the following services:

- Conducting construction field inspections
- Conducting industrial and commercial field inspections
- Conducting SUSMP post-construction BMP inspections
- Conducting municipal facilities and activities inspections
- Conducting follow-up, complaint, or other special inspections
- Data entry into databases for these inspections

SUSMP Implementation and Document Preparation. We will continue to assist the City with implementation of the Standard Urban Storm Water Mitigation Plan (SUSMP) program as follows. This task also includes assisting the City in implementing tasks related to the new Hydromodification Management Plan (HMP) that is currently under review by the RWQCB. Note that review of SUSMP and Storm Water Pollution Prevention Plan (SWPPP) documents are included under a different contract.

- Assist with required revisions to the City's SUSMP Ordinance and related ordinances in accordance with the new Model SUSMP and the HMP
- Assist in complying with requirements of the SUSMP
- Conduct coordination meetings with various City departments and assist in refinement of the SUSMP process
- Review erosion and sediment control plans
- Assist in selecting and implementing BMPs
- Conduct educational presentations as required in the City's JURMP and Section D.5.b.(b) of the new Municipal Permit
- Prepare SUSMPs and construction storm water pollution prevention plans (SWPPP) for City Capital Improvement Projects

Dry Weather Field Screening and Analytical Monitoring. This task will include conducting one round of field screening in accordance with the requirements of the RWQCB Municipal Permit. The objective of this program is to detect and eliminate illicit connections and illegal discharges (IC/IDs) in order to minimize the negative impacts of human activities on receiving water bodies. The City of National City has identified 15 primary monitoring stations where data will be collected during the dry weather analytical and field screening monitoring program. This task will include the following:

Visual Observations: Visual observations include looking for evidence of dry weather flows such as staining, corrosion, sediment, surrounding vegetation, algae, mosquito larvae, insects, and animals in the vicinity of the outfall. .

Field Analysis: At each site the flow and its temperature will be measured, and a sample will be taken for field analyses of the following parameters:

- Specific conductance
- Temperature



- Turbidity
- pH
- Reactive Phosphorus
- Nitrate Nitrogen
- Ammonia Nitrogen
- Surfactants (MBAS)

Analytical Monitoring: Water samples from 25 percent of the sites where ponded or flowing water is observed, will be collected and submitted to a California Department of Health Services certified laboratory for analysis of the following constituents:

- Total hardness
- Oil and grease
- Diazinon and Chlorpyrifos
- Cadmium (Dissolved)
- Copper (Dissolved)
- Lead (Dissolved)
- Zinc (Dissolved)
- Enterococcus bacteria
- Total Coliform bacteria
- Fecal Coliform bacteria

Trash Monitoring: The new Municipal Permit requires that the City implement a trash monitoring program during dry weather monitoring. The Copermittee Dry Weather Monitoring Sub-Workgroup developed a trash assessment form and procedures for trash monitoring. We will complete a trash assessment form at each routine site visit.

Preparation of a Summary Report: At the conclusion of the field screening program, a report will be prepared to summarize the observations and the results of the study, including trash monitoring. The report will include our interpretation of the field data and test results as to the possible presence of IC/IDs. Reporting also includes preparing a spreadsheet of the collected data in the regionally standardized format and submitting it to the County of San Diego.

Follow-Up Investigations. During the dry weather field screening program if field investigations do not reveal a specific source of contamination, or if the results of the laboratory analysis indicate presence of pollutants in excess of action levels, further investigation will be conducted which may include the following steps:

- Tracing flows or discharges upstream
- Conducting field screening sampling
- Contacting dischargers
- Sampling for laboratory analysis
- Documenting source investigations



At the conclusion of the follow-up investigations, a summary report will be prepared summarizing the findings, conclusions and recommendations. Per new Municipal Permit requirements, all laboratory analytical exceedances will be followed up within two business days of receiving the results from the lab. This is a more aggressive timeframe than previously required. Also, upstream investigations for bacteria will utilize Colilert and Enterolert methods for bacterial analyses. These newer methods are more accurate than the methods used in the past.

MS4 Monitoring and Special Studies. The new Municipal Permit requires that the City conduct MS4 monitoring and source identification monitoring programs. The MS4 monitoring will be conducted concurrently with the dry weather monitoring program and will include additional laboratory analytical work. Additional monitoring studies may also be necessary for source investigation purposes. In some portions of the City exceedances have been noted for several consecutive years in the dry weather monitoring program, and it may be necessary to perform additional monitoring beyond the typical dry weather follow-up investigations to evaluate the effectiveness of measures taken to address the sources of the exceedances. The new Municipal Permit also includes stricter requirements for effectiveness assessment, including outcome levels 4, 5, and 6 (load reduction, change in quality of discharge, and change in receiving water quality). Additional monitoring may be required to evaluate the effectiveness of City activities in accordance with these requirements.

JURMP Annual Report. As a requirement of the Municipal Permit, the City must produce an annual report to the RWQCB detailing the activities that have been conducted during the previous reporting period to reduce pollutants in urban runoff. The JURMP Annual Report serves to document the activities that the City has conducted during the past reporting period of July 1, 2008 through June 30, 2009. Report preparation includes the following:

Coordinate Information Transfer with City personnel

Contacting several City departments to acquire information on the program implementation and special activities carried out through the year. We will have initial meetings with responsible personnel at each department to prepare a plan for receiving information regarding the implementation of the City's JURMP. We will stay in contact with the City's departments thereafter. Pertinent information will be acquired under this task to be used in the report.

Review and Respond to RWQCB Comments

The RWQCB made some comments on the City's 2007-2008 JURMP Annual Report and the March 2008 JURMP update that must be addressed in the 2008-2009 JURMP Annual Report. We will prepare a response to those comments and include it as an attachment to the JURMP Annual Report.

Prepare Annual JURMP Report

This task includes the preparation of the Annual JURMP Report in accordance with Section I of the Municipal Permit. A draft report will be prepared and submitted to the City for comments, after which a final report will be prepared. Two hard copies and four electronic copies of the final report will be prepared and delivered to the City. The following sections will be included in the report:

- Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
- Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, and a summary list of key achievements.
- Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP); treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications.
- Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement.
- Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included.
- Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses.
- Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas.
- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved.
- Education: will include descriptions of various educational efforts by the City. The new Municipal Permit emphasizes presenting educational efforts categorized by type of target audience.
- Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program.
- Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. This section should have the same format as the fiscal analysis sections in previous annual reports.
- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2007-2008 JURMP Annual Report will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.
- Special Investigations: will include a summary of any additional progress on the clean community program and any other relevant special studies completed during 2008-2009.
- Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.



Training and Education. D-MAX will conduct educational workshops and/or prepare education materials at the City's request to target audiences identified in the JURMP document. An educational calendar has been prepared in each of the last several years, and another calendar incorporating artwork from school children in the City, similar to the one prepared for 2009, is planned for 2010. Educational content for other programs may cover a variety of topics related to storm water quality and watershed concepts listed in the JURMP and be tailored to each specific audience. Suggested workshops and target audiences include the topics listed below:

Planning and Engineering Departments

The goal of this workshop will be to inform the Planning and Engineering Departments of general concepts listed in the JURMP and to address new Permit requirements relevant to each department. The Permit requires changes in land-use planning and engineering aspects of new development and redevelopment projects within the City, including the implementation of the City's SUSMP. Among the new requirements is the implementation of Low Impact Development (LID) measures for all development projects.

Public Works Staff

The workshop will be targeted towards public works employees and will focus mainly on the practical aspects of BMP implementation. It will also address changes in public works operations required by the Municipal Permit, such as effects on channel maintenance and storm drain cleanout frequency. In the event that the City's NPDES Storm Water Compliance Inspector conducts this training, D-MAX will not provide a training session for this audience.

Construction Inspectors

The educational workshop for construction inspectors will include general concepts listed in the JURMP and additionally cover such topics as BMP implementation and maintenance, good housekeeping measures, site inspections and inspection frequency.

School Students

We will assist the City in providing training workshops for school students. The topics for these workshops include the source of pollutants, the impact of pollutants on the receiving water bodies and BMPs to prevent the pollutions.

Workshops

At the request of the City, we will provide targeted educational workshops for various industry or stakeholder groups. D-MAX has recently conducted workshops for industrial businesses, automotive businesses, the development and construction industry, and City residents.

Educational Materials

We will assist the City in developing educational materials such as pamphlets, calendars, articles for newsletter or websites, or fact sheets. These materials may to be targeted at the development community, City residents, industrial and commercial businesses, City staff, or other audiences. The new Municipal Permit requires additional education related to watershed concepts and watershed pollutants of concern.



Watershed Urban Runoff Management Program. The City of National City is located within the San Diego Bay Watershed. The Municipal Permit requires each Copermittee to collaborate with other Copermittees within its watershed to identify and mitigate the highest priority water quality issues/pollutants in the watershed.

D-MAX will coordinate with the watershed Copermittees on behalf of the City of National City and fulfill the group requirements per the City instructions. In each of the last three years, we have assisted the City by helping write the San Diego Bay WURMP Annual Reports, and the City has been listed as among the primary authors of those annual reports. The City is also required to implement activities that measurably change knowledge, awareness, or behavior or target audiences and activities that result in significant pollutant load reductions or source abatement each year. We will assist the City with implementing these activities to meet WURMP requirements.

Representing the City in Various Meetings. D-MAX will represent the City of National City in various meetings including those with other Copermittees, the Regional Board, and/or Regional Workgroups. The City has taken on the responsibility of serving as the secretary for the Municipal Workgroup, and we will assist the City in fulfilling that responsibility.

Other Storm Water Services. It has been our experience with other local municipalities and with the City of National City that storm water related situations arise from time to time that require immediate or expert action. For example, additional services related to the Paleta Creek/7th Street Channel TMDL, which is currently under development, may be required. The process of obtaining permits to allow the City to resume channel maintenance activities was initiated in 2008-2009, but we anticipate that some work to finalize the process will also be necessary in 2009-2010. That process is anticipated to involve coordinating with the RWQCB, the Army Corps of Engineers, and the California Department of Fish and Game. D-MAX will be pleased to provide any other as-needed, on-call services to the City of National City that have not been identified above.

EXHIBIT B

COST SUMMARY & FEE SCHEDULE

We propose to complete the aforementioned services on a time and materials basis (not to exceed \$200,000 total) in accordance with the attached schedule of fees. Our estimated costs are listed below.

	Principal Engineer	Project Scientist	Asst Proj Scientist	Staff Scientist	Drafter	Word Processor	Clerk	ODC*	Calculated Total	Rounded Total
Rate	\$140	\$110	\$95	\$85	\$65	\$55	\$50			
Task Description										
Project Coordination	40	40	20					\$400	\$12,300	\$12,300
Data Management and GIS	12	60	60	20		45			\$18,155	\$18,150
Assist in Compliance Inspection Program	8	16	40	206		18		\$1,800	\$26,980	\$27,000
SUSMP Implementation and Document Preparation	40	50	40					\$100	\$15,000	\$15,000
Dry Weather Analytical Monitoring and Field Screening	12	16		104	4	8		\$3,000	\$15,980	\$16,000
Follow-up Investigations	8	8		76	4	4		\$3,000	\$11,940	\$11,950
MS4 Monitoring and Special Studies	12	10		60	2	2		\$1,500	\$9,620	\$9,600
JURMP Annual Report	20	50	120	30		12		\$200	\$23,110	\$23,100
Training and Education	40	40	60	20		20		\$5,000	\$23,500	\$23,500
Watershed Urban Runoff Management Program	16	70	54	30		12		\$800	\$19,080	\$19,100
Representing the City in Various Meetings	30	50	16					\$800	\$12,020	\$12,000
Other Storm Water Services	12	12	27	72		8		\$200	\$12,325	\$12,300
Total	250	422	437	618	10	129	0	\$16,800	\$200,010	\$200,000

*ODC for Dry Weather Monitoring includes laboratory analytical costs, and ODC for Training and Education includes outside printing of materials (e.g., calendars).

EXHIBIT B
COST SUMMARY & FEE SCHEDULE

SCHEDULE OF FEES

January 1, 2009

This Schedule of Fees will be adjusted periodically. The new fee schedule will apply to all existing and new work.

LABOR

<u>Classification</u>	<u>Hourly Rate</u>
Clerk*	\$ 50
Word Processor*	55
Drafter*	65
Technician*	65
Senior Technician*	75
Staff Scientist/Engineer	85
Assistant Project Scientist/Engineer	95
Project Scientist/Engineer	110
Senior Scientist/Engineer	120
Principal Scientist/Engineer	140

OTHER CHARGES

Subcontracted services, such as sub consultants, outside testing, drilling, and surveyors, will be charged at cost plus 15%. 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 15%. Mileage will be charged at a rate of \$0.63 per mile.

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

* Overtime (in excess of 8 hours per day) and weekend hours will be charged at 1.5 times the above rates for non-exempt personnel.

Field and hourly services will be charged portal to portal from our office, with a two-hour minimum.

Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$200/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

**EXHIBIT C
PROJECT SCHEDULE**

Tasks	JULY 2009	AUG 2009	SEP 2009	OCT 2009	NOV 2009	DEC 2009	JAN 2010	FEB 2010	MAR 2010	APR 2010	MAY 2010	JUN 2010
Project Coordination												
Data Management												
Assist in Compliance Inspection Program												
Dry Weather Analytical Monitoring and Field Screening												
Follow-Up Investigations												
MS4 Monitoring and Special Studies												
JURMP Annual Report												
Training and Education												
Watershed Urban Runoff Management Program												
Representing the City in Various Meetings												
Other Storm Water Services												

June 2, 2010
Project No. 201029P

Mr. Din Daneshfar
City of National City
Engineering Department
1243 National City Boulevard
National City, CA 91950

**Re: Proposal for Implementation of the NPDES Program, Fiscal Year 2010-11
City of National City, California**

Dear Mr. Daneshfar:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of National City in the implementation of the Federal National Pollutant Discharge Elimination System (NPDES) Program during the 2010-2011 reporting period. This work will be conducted in accordance with the NPDES requirements, the State of California General Industrial and Construction permits, and the San Diego Regional Water Quality Control Board (RWQCB) issued Municipal NPDES Permit, Order No. R9-2007-0001.

Our scope of services, estimated costs, and project schedule are attached to this proposal.

We look forward to working with you on this project. Please give me a call at (858) 586-6600 ext. 22 if you have any questions or would like to further discuss this proposal.

Sincerely,

D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Principal



EXHIBIT A

D-MAX will provide storm water services to assist the City of National City in complying with NPDES permits and enhance the water quality of runoff generated within the City. The tasks anticipated to be necessary during the fiscal year are categorized into two groups. Group I tasks are similar to those completed during 2009-2010. Group II tasks are related to new regulatory requirements. Since Group I tasks are most critical for permit compliance, we propose giving these tasks first priority. The relative priorities to be assigned to different tasks will be discussed at the annual program kick-off meeting and revisited periodically at the monthly coordination meetings to ensure the City's needs are being met.

Group I Tasks

- **Project Coordination.** Provide all project coordination necessary to perform the work for the City's NPDES program implementation. Project coordination will include monthly project status meetings with the City of National City and other related agencies for the duration of this contract. Also included in the program coordination are:
 - Management of the program kick-off meeting and all necessary meetings with other concerned and involved agencies and community groups.
 - Management of all project-related meetings, including agenda and meeting minute preparation and distribution.
 - Assisting the City with coordination and correspondence with the RWQCB regarding National City's storm water program.
- **Data Management and GIS.** To facilitate annual reporting and to manage various JURMP programs on a day-to-day basis, data must be tracked and stored in a reliable, easy-to-use manner. This includes data from the City's construction, industrial, commercial, development, and municipal programs. D-MAX has created four separate Microsoft Access databases for the City: one each for construction inspections, industrial/commercial inspections, SUSMP post-construction best management practice (BMP) tracking and inspections, and a variety of municipal activities. D-MAX will also assist the City with GIS analysis where necessary for the NPDES program. D-MAX will enter data provided by the City and regularly provide the City with copies of the databases it maintains.
- **Assist in Compliance Inspection Program.** We will assist the City's compliance inspection team with the following services:
 - Conducting construction field inspections
 - Conducting industrial and commercial field inspections
 - Conducting SUSMP post-construction BMP inspections
 - Conducting municipal facilities and activities inspections
 - Conducting follow-up, complaint, and/or other special inspections, as applicable
 - Data entry into databases for these inspections
- **SUSMP Implementation and Document Preparation.** We will continue to assist the City with implementation of the SUSMP program as follows. This task also



includes assisting the City in implementing tasks related to the new Hydromodification Management Plan (HMP) that is currently under review by the RWQCB. It is anticipated that the HMP will be approved by the RWQCB in June 2010. The City will then have 180 days to adopt the HMP requirements into the City's SUSMP Manual and/or related ordinances. Note that review of SUSMP report and Storm Water Pollution Prevention Plan (SWPPP) documents are included under a different contract.

- Assist with required revisions to the City's SUSMP Manual and related ordinances in accordance with the new HMP.
- Assist in complying with requirements of the SUSMP
- Conduct coordination meetings with various City departments and assist in refinement of the SUSMP process
- Review erosion and sediment control plans
- Assist in selecting and implementing BMPs
- Conduct educational presentations as required in the City's JURMP and Section D.5.b.(b) of the new Municipal Permit
- Prepare SUSMPs and construction SWPPPs for City Capital Improvement Projects

■ **Dry Weather Field Screening and Analytical Monitoring.** This task will include conducting one round of field screening in accordance with the requirements of the Municipal Permit. The objective of this program is to detect and eliminate illicit connections and illegal discharges (IC/IDs) in order to minimize the negative impacts of human activities on receiving water bodies. The City of National City has identified 15 primary monitoring stations where data will be collected during the dry weather analytical and field screening monitoring program. In the event that a site is dry, visual observations will be recorded and an alternate site will be selected. This task will include the following:

Visual Observations: Visual observations include looking for evidence of dry weather flows such as staining, corrosion, sediment, surrounding vegetation, algae, mosquito larvae, insects, and animals in the vicinity of the outfall.

Field Analysis: At each site the flow and its temperature will be measured, and a sample will be taken for field analyses of the following parameters:

- Specific conductance
- Temperature
- Turbidity
- pH
- Reactive Phosphorus
- Nitrate Nitrogen
- Ammonia Nitrogen
- Surfactants (MBAS)

Analytical Monitoring: Water samples from 25 percent of the sites where ponded or flowing water is observed, will be collected and submitted to a California



Department of Health Services certified laboratory for analysis of the following constituents:

- Total hardness
- Oil and grease
- Diazinon and Chlorpyrifos
- Cadmium (Dissolved)
- Copper (Dissolved)
- Lead (Dissolved)
- Zinc (Dissolved)
- Enterococcus bacteria
- Total Coliform bacteria
- Fecal Coliform bacteria

Trash Monitoring: The Municipal Permit requires that the City implement a trash monitoring program during dry weather monitoring. The Copermittee Dry Weather Monitoring Sub-Workgroup developed a trash assessment form and procedures for trash monitoring. We will complete a trash assessment form at each routine site visit.

Dry Weather Data Conversion: The County of San Diego maintains a regional database of dry weather monitoring data collected by the Copermittees. The County requires that each City convert its dry weather monitoring data into a standard format so that it can be easily uploaded into the regional database. The process involves converting the data from tables designed for ease of reading and reference to more duplicative tables that are designed to allow for more efficient data analysis using the regional database. D-MAX will assist the City by performing this conversion process.

Preparation of a Summary Report: At the conclusion of the field screening program, a report will be prepared to summarize the observations and the results of the study, including trash monitoring. The report will include our interpretation of the field data and test results as to the possible presence of IC/IDs. Reporting also includes preparing a spreadsheet of the collected data in the regionally standardized format and submitting it to the County of San Diego.

■ **Follow-Up Investigations.** During the dry weather field screening program if field investigations do not reveal a specific source of contamination, or if the results of the laboratory analysis indicate presence of pollutants in excess of action levels, further investigation will be conducted which may include the following steps:

- Tracing flows or discharges upstream
- Conducting field screening sampling
- Contacting dischargers
- Sampling for laboratory analysis
- Documenting source investigations

At the conclusion of the follow-up investigations, a summary report will be prepared summarizing the findings, conclusions and recommendations. Per Municipal Permit requirements, all laboratory analytical exceedances will be followed up within two business days of receiving the results from the lab. Also, upstream investigations for bacteria will utilize Collert and Enterolert methods for bacterial analyses. These



newer methods have a faster turnaround time than standard analysis methods, which is an advantage during upstream source tracking investigations.

- **MS4 Monitoring.** The new Municipal Permit requires that the City conduct MS4 outfall monitoring. The MS4 monitoring will be conducted prior to August 1 and will include additional laboratory analytical work. The goal of the MS4 outfall monitoring program is to provide additional assessment of the potential for outfalls that discharge directly to receiving water bodies to discharge pollutants of concern associated with the applicable receiving water body. D-MAX will conduct MS4 outfall monitoring as described in the Copermittees' MS4 outfall monitoring workplan. We will also provide a spreadsheet of the MS4 outfall monitoring data in the regionally standardized format in advance of the regionally established deadline for targeted dry weather MS4 outfall monitoring data submittal.
- **JURMP Annual Report.** As a requirement of the Municipal Permit, the City must produce an annual report to the RWQCB detailing the activities that have been conducted during the previous reporting period to reduce pollutants in urban runoff. The JURMP Annual Report to be submitted by September 30, 2010, will document the activities that the City has conducted during the past reporting period of July 1, 2009 through June 30, 2010. Report preparation includes the following:

Coordinate Information Transfer with City personnel

Contacting several City departments to acquire information on the program implementation and special activities carried out through the year. We will have initial meetings with responsible personnel at each department to prepare a plan for receiving information regarding the implementation of the City's JURMP. We will stay in contact with the City's departments thereafter. Pertinent information will be acquired under this task to be used in the report.

Review and Respond to RWQCB Comments

If any comments on the 2008-2009 JURMP Annual Report are received, we will prepare a response to those comments and include it as an attachment to the 2009-2010 JURMP Annual Report.

Prepare JURMP Annual Report

This task includes the preparation of the JURMP Annual Report in accordance with Section I of the Municipal Permit. A draft report will be prepared and submitted to the City for comments, after which a final report will be prepared. Two hard copies and four electronic copies of the final report will be prepared and delivered to the City. The following sections will be included in the report:

- ▶ Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
- ▶ Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, and a summary list of key achievements.
- ▶ Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's SUSMP; treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications.



- ▶ Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement.
- ▶ Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, MS4 maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included.
- ▶ Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses.
- ▶ Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas.
- ▶ Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved.
- ▶ Education: will include descriptions of various educational efforts by the City. The new Municipal Permit emphasizes presenting educational efforts categorized by type of target audience.
- ▶ Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program.
- ▶ Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. A new fiscal analysis framework has been developed by the Copermittees, and it will need to be implemented for the 2009/2010 JURMP Annual Report. Adapting the City's financial information to the new format will require developing a different structure for the section and working with the City to match financial data to the standard categories provided in the new fiscal analysis framework adopted by the Copermittees.
- ▶ Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008-2009 JURMP Annual Report will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.
- ▶ Special Investigations: will include a summary of any additional progress on the clean community program and any other relevant special studies completed during 2009-2010.
- ▶ Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.



- **Training and Education.** D-MAX will conduct educational workshops and/or prepare education materials at the City's request to target audiences identified in the JURMP document. An educational calendar has been prepared in each of the last several years. We will coordinate with the City to determine if a similar approach should be used in 2010-2011 or whether a different approach will be more beneficial. Educational content for other programs may cover a variety of topics related to storm water quality and watershed concepts listed in the JURMP and be tailored to each specific audience. Most likely the City will focus its outreach efforts on one or two target audiences or topics; workshops and target audiences could include those listed below:

Planning and Engineering Departments

The goal of this workshop will be to inform the Planning and Engineering Departments of general concepts listed in the JURMP and to address new Permit requirements relevant to each department. The Permit requires changes in land-use planning and engineering aspects of new development and redevelopment projects within the City, including the implementation of the City's SUSMP. Among the new requirements is the implementation of Low Impact Development (LID) measures for all development projects and hydromodification management measures for Priority Development Projects Subject to SUSMP.

Public Works Staff

The workshop will be targeted towards public works employees and will focus mainly on the practical aspects of BMP implementation. It will also address changes in public works operations required by the Municipal Permit, such as effects on channel maintenance and storm drain cleanout frequency. In the event that the City's NPDES Storm Water Compliance Inspector conducts this training, D-MAX will not provide a training session for this audience.

Construction Inspectors

The educational workshop for construction inspectors will include general concepts listed in the JURMP and additionally cover such topics as BMP implementation and maintenance, good housekeeping measures, site inspections and inspection frequency.

School Students

We will assist the City in providing training workshops for school students. The topics for these workshops include the source of pollutants, the impact of pollutants on the receiving water bodies and BMPs to prevent the pollutions.

Workshops

At the request of the City, we will provide targeted educational workshops for various industry or stakeholder groups. D-MAX has recently conducted workshops for industrial businesses, automotive businesses, the development and construction industry, and City residents.

Educational Materials

We will assist the City in developing educational materials such as pamphlets, calendars, articles for newsletter or websites, or fact sheets. These materials may be targeted at the development community, City residents, industrial and commercial businesses, City staff, or other audiences. The Municipal Permit



requires additional education related to watershed concepts and watershed pollutants of concern.

- **Watershed Urban Runoff Management Program.** The City of National City is located within the San Diego Bay Watershed. The Municipal Permit requires each Copermittee to collaborate with other Copermittees within its watershed to identify and mitigate the highest priority water quality issues/pollutants in the watershed.

D-MAX will coordinate with the watershed Copermittees on behalf of the City of National City and fulfill the group requirements per the City instructions. Since 2004 we have assisted the City by helping write the San Diego Bay WURMP Annual Reports, and the City has been listed as among the primary authors of those annual reports. The City is also required to implement activities that measurably change knowledge, awareness, or behavior or target audiences and activities that result in significant pollutant load reductions or source abatement each year. We will assist the City with implementing these activities to meet WURMP requirements.

- **Representing the City in Various Meetings.** D-MAX will represent the City of National City in various meetings including those with other Copermittees, the Regional Board, and/or Regional Workgroups. The City has taken on the responsibility of serving as the secretary for the Regional WURMP Workgroup, and we will assist the City in fulfilling that responsibility.
- **Other Storm Water Services.** It has been our experience with other local municipalities and with the City of National City that storm water related situations arise from time to time that require immediate or expert action. D-MAX will be pleased to provide any other as-needed, on-call services to the City of National City that have not been identified above.

Group II Tasks

- **Source Identification Special Studies.** Additional monitoring studies may be necessary for source investigation purposes, including for efforts linked to WURMP activity implementation to address watershed pollutants of concern or to TMDLs. In some portions of the City exceedances have been noted for several consecutive years in the dry weather monitoring program, and it may be necessary to perform additional monitoring beyond the typical dry weather follow-up investigations to evaluate the effectiveness of measures taken to address the sources of the exceedances. The new Municipal Permit also includes stricter requirements for effectiveness assessment, including outcome levels 4, 5, and 6 (load reduction, change in quality of discharge, and change in receiving water quality). Additional monitoring may be required to evaluate the effectiveness of City activities in accordance with these requirements.



- **Web-Based Database Development.** The City's current NPDES program databases are in MS Access format. D-MAX maintains the databases and periodically sends updated versions to the City. We propose to develop web-based data management systems that can be used to track the data that most regularly changes, such as industrial and commercial inspections. Using a web-based database will allow for both City and D-MAX users to access up to date data without the process of transferring MS Access files back and forth. This will help the City better comply with Municipal Permit requirements through more effective information transfer and a clearer understanding of where enforcement actions are needed. D-MAX will provide hosting for the data, but the City will retain ownership of all data. Access to the site will through a password-protected login.
- **TMDL Planning.** The Paleta Creek/7th Street Channel TMDL is currently under development, and TMDLs related to 303(d) listed impairments in the City of National City are proposed in the future. We will use monitoring data, inspection data, land use information, and other relevant data to prepare a strategic framework for taking actions with respect to TMDL regulations. The framework will include an assessment of sources within the watershed for each impaired water body, an assessment of potential BMPs or related management measures to address the identified sources, and methods that can be used to assess the effectiveness of implementing the BMPs. A draft framework document will be prepared and provided to the City for review. Review comments will be incorporated, after which the document will be finalized and delivered to the City.

EXHIBIT B

COST SUMMARY & FEE SCHEDULE

We propose to complete the aforementioned services on a time and materials basis (not to exceed \$250,000 total) in accordance with the attached schedule of fees. Our estimated costs are listed below.

	Principal Engineer	Project Scientist	Asst Proj Scientist	Staff Scientist	Drafter	Word Processor	Clerk	ODC*	Total
Rate	\$140	\$110	\$95	\$85	\$65	\$55	\$50		
Group I Tasks									
Project Coordination	40	40	20					\$400	\$12,300
Data Management and GIS	4	20	12	20		45			\$8,075
Assist in Compliance Inspection Program	12	24	60	440		60		\$1,800	\$52,520
SUSMP Implementation and Document Preparation	40	50	48			8		\$100	\$16,200
Dry Weather Analytical Monitoring and Field Screening	12	16	24	84	4	8		\$3,275	\$16,835
Follow-up Investigations	8	8	16	60	4	4		\$2,900	\$12,000
MS4 Monitoring	2	2	6	24	2	2		\$1,500	\$4,850
JURMP Annual Report	20	50	130	30		12		\$200	\$24,060
Training and Education	20	20	60	20		20		\$5,000	\$18,500
Watershed Urban Runoff Management Program	16	50	54	30		12		\$700	\$16,780
Representing the City in Various Meetings	30	50	16					\$800	\$12,020
Other Storm Water Services	8	8	16	20		8		\$200	\$5,860
Total	212	338	462	728	10	179	0	\$16,875	\$200,000
Group II Tasks									
Source Identification and Special Studies	12	32	40	180	8	16		\$3,120	\$28,820
Web-Based Database Development	6	32	16	100					\$14,380
TMDL Planning	12	12	40						\$6,800
Total	30	76	96	280	8	16	0	\$3,120	\$ 50,000

EXHIBIT B
COST SUMMARY & FEE SCHEDULE

SCHEDULE OF FEES

January 1, 2010

This Schedule of Fees will be adjusted periodically. The new fee schedule will apply to all existing and new work.

LABOR

OTHER CHARGES

<u>Classification</u>	<u>Hourly Rate</u>
Clerk*	\$ 50
Word Processor*	55
Drafter*	65
Technician*	65
Senior Technician*	75
Staff Scientist/Engineer	85
Assistant Project Scientist/Engineer	95
Project Scientist/Engineer	110
Senior Scientist/Engineer	120
Principal Scientist/Engineer	140

Subcontracted services, such as sub consultants, outside testing, drilling, and surveyors, will be charged at cost plus 15%. 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 15%. Mileage will be charged at a rate of \$0.57 per mile.

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

* Overtime (in excess of 8 hours per day) and weekend hours will be charged at 1.5 times the above rates for non-exempt personnel.

Field and hourly services will be charged portal to portal from our office, with a two-hour minimum.

Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$200/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

**EXHIBIT C
PROJECT SCHEDULE**

Tasks	JULY 2010	AUG 2010	SEP 2010	OCT 2010	NOV 2010	DEC 2010	JAN 2011	FEB 2011	MAR 2011	APR 2011	MAY 2011	JUN 2011
Project Coordination												
Data Management												
Assist in Compliance Inspection Program												
Dry Weather Analytical Monitoring and Field Screening												
Follow-Up Investigations												
MS4 Monitoring												
JURMP Annual Report												
Training and Education												
Watershed Urban Runoff Management Program												
Representing the City in Various Meetings												
Other Storm Water Services												
Source Identification and Special Studies												
Web-Based Database Development												
TMDL Planning												

EXHIBIT A

SCOPE OF SERVICES

D-MAX will provide storm water services to assist the City of National City in complying with NPDES permits and enhance the water quality of runoff generated within the City. The tasks anticipated to be necessary during the 2011-2012 fiscal year are categorized into two groups. Group I tasks are similar to those completed during previous fiscal years. Group II tasks are related to new regulatory requirements. Since Group I tasks are most critical for permit compliance, we propose giving these tasks first priority. The relative priorities to be assigned to different tasks will be discussed at the annual program kick-off meeting and revisited periodically at the monthly coordination meetings to ensure the City's needs are being met.

Group I Tasks

- **Project Coordination.** We will provide all project coordination necessary to perform the work for the City's NPDES program implementation. Project coordination will include monthly project status meetings with the City of National City and other related agencies for the duration of this contract. Also included in the program coordination are:
 - Management of the program kick-off meeting and all necessary meetings with other concerned and involved agencies and community groups.
 - Management of all project-related meetings, including agenda and meeting minute preparation and distribution.
 - Assisting the City with coordination and correspondence with the RWQCB regarding National City's storm water program.
- **Data Management and GIS.** To facilitate annual reporting and to manage various JURMP programs on a day-to-day basis, data must be tracked and stored in a reliable, easy-to-use manner. This includes data from the City's construction, industrial, commercial, development, and municipal programs. D-MAX has created five separate Microsoft Access databases for the City: one each for construction inspections, industrial/commercial inspections, SUSMP post-construction best management practice (BMP) tracking and inspections, municipal facilities and activities inspections, and one for tracking complaint investigations and MS4 maintenance. D-MAX will also assist the City with GIS analysis where necessary for the NPDES program. D-MAX will enter data provided by the City and regularly provide the City with copies of the databases it maintains.
- **Assist in Compliance Inspection Program.** We will assist the City's compliance inspection team with the following services:
 - Conducting construction field inspections
 - Conducting industrial and commercial field inspections
 - Conducting SUSMP post-construction BMP inspections
 - Conducting municipal facilities and activities inspections
 - Conducting complaint and/or other special inspections, as applicable

- Data entry into databases and generating letters to be mailed for these inspections

Follow-up inspections will be conducted at construction, industrial, commercial, and SUSMP sites to encourage compliance with the City's minimum BMP requirements, reduce City staff workload related to evaluating the resolution of BMP violations, or document evidence of continued non-compliance for necessary enforcement action, as is necessary.

■ **SUSMP Implementation and Document Preparation.** We will continue to assist the City with implementation of the SUSMP program as follows. Note that review of SUSMP report and Storm Water Pollution Prevention Plan (SWPPP) documents are included under a different contract.

- Assist in complying with requirements of the SUSMP
- Conducting the annual Operation and Maintenance Verification and keeping up-to-date contact information for projects with permanent post-construction BMPs
- Conduct coordination meetings with various City departments and assist in refinement of the SUSMP process
- Review erosion and sediment control plans
- Assist in selecting and implementing BMPs
- Conduct educational presentations as required in the City's JURMP and Section D.5.b.(b) of the new Municipal Permit
- Prepare SUSMPs and construction SWPPPs for City Capital Improvement Projects

■ **Dry Weather Field Screening and Analytical Monitoring.** This task will include conducting one round of field screening in accordance with the requirements of the Municipal Permit. The objective of this program is to detect and eliminate illicit connections and illegal discharges (IC/IDs) in order to minimize the negative impacts of human activities on receiving water bodies. The City of National City has identified 15 primary monitoring stations where data will be collected during the dry weather analytical and field screening monitoring program. In the event that a site is dry, visual observations will be recorded and an alternate site will be selected. This task will include the following:

Visual Observations: Visual observations include looking for evidence of dry weather flows such as staining, corrosion, sediment, surrounding vegetation, algae, mosquito larvae, insects, and animals in the vicinity of the outfall.

Field Analysis: At each site the flow and its temperature will be measured, and a sample will be taken for field analyses of the following parameters:

- Specific conductance
- Temperature
- Turbidity
- pH
- Reactive Phosphorus
- Nitrate Nitrogen

- Ammonia Nitrogen
- Surfactants (MBAS)

Analytical Monitoring: Water samples from 25 percent of the sites where ponded or flowing water is observed, will be collected and submitted to a California Department of Health Services certified laboratory for analysis of the following constituents:

- Total hardness
- Oil and grease
- Diazinon and Chlorpyrifos
- Cadmium (Dissolved)
- Copper (Dissolved)
- Lead (Dissolved)
- Zinc (Dissolved)
- Enterococcus bacteria
- Total Coliform bacteria
- Fecal Coliform bacteria

Trash Monitoring: The Municipal Permit requires that the City implement a trash monitoring program during dry weather monitoring. The Copermittee Dry Weather Monitoring Sub-Workgroup developed a trash assessment form and procedures for trash monitoring. We will complete a trash assessment form at each routine site visit.

Dry Weather Data Conversion: The County of San Diego maintains a regional database of dry weather monitoring data collected by the Copermittees. The County requires that each City convert its dry weather monitoring data into a standard format so that it can be easily uploaded into the regional database. The process involves converting the data from tables designed for ease of reading and reference to more duplicative tables that are designed to allow for more efficient data analysis using the regional database. D-MAX will assist the City by performing this conversion process.

Preparation of a Summary Report: At the conclusion of the field screening program, a report will be prepared to summarize the observations and the results of the study, including trash monitoring. The report will include our interpretation of the field data and test results as to the possible presence of IC/IDs. Reporting also includes preparing a spreadsheet of the collected data in the regionally standardized format and submitting it to the County of San Diego.

■ **Follow-Up Investigations.** During the dry weather field screening program if field investigations do not reveal a specific source of contamination, or if the results of the laboratory analysis indicate presence of pollutants in excess of action levels, further investigation will be conducted which may include the following steps:

- Tracing flows or discharges upstream
- Conducting field screening sampling
- Contacting dischargers
- Sampling for laboratory analysis
- Documenting source investigations

At the conclusion of the follow-up investigations, a summary report will be prepared summarizing the findings, conclusions, and recommendations. Per Municipal Permit requirements, all laboratory analytical exceedances will be followed up within two business days of receiving the results from the lab. Also, upstream investigations for bacteria will utilize Colilert and Enterolert methods for bacterial analyses. These newer methods have a faster turnaround time than standard analysis methods, which is an advantage during upstream source tracking investigations.

- **MS4 Monitoring.** The new Municipal Permit requires that the City conduct MS4 outfall monitoring. The MS4 monitoring will be conducted prior to August 1 and will include additional laboratory analytical work. The goal of the MS4 outfall monitoring program is to provide additional assessment of the potential for outfalls that discharge directly to receiving water bodies to discharge pollutants of concern associated with the applicable receiving water body. D-MAX will conduct MS4 outfall monitoring as described in the Copermittees' MS4 outfall monitoring workplan. We will also provide a spreadsheet of the MS4 outfall monitoring data in the regionally standardized format in advance of the regionally established deadline for targeted dry weather MS4 outfall monitoring data submittal.
- **JURMP Annual Report.** As a requirement of the Municipal Permit, the City must produce an annual report to the RWQCB detailing the activities that have been conducted during the previous reporting period to reduce pollutants in urban runoff. The JURMP Annual Report to be submitted by September 30 of each year, will document the activities that the City has conducted during the past reporting period of July 1 of the previous year through June 30 of the same year. Annual reports will be prepared and submitted by the end of September in each year, starting with the annual report for the 2010-2011 fiscal year due by the end of September 2011. Report preparation includes the following:

Coordinate Information Transfer with City personnel

Contacting several City departments to acquire information on the program implementation and special activities carried out through the year. We will have initial meetings with responsible personnel at each department to prepare a plan for receiving information regarding the implementation of the City's JURMP. We will stay in contact with the City's departments thereafter. Pertinent information will be acquired under this task to be used in the report.

Review and Respond to RWQCB Comments

If any comments on the City's JURMP Annual Report are received, we will prepare a response to those comments and include it as an attachment to the next JURMP Annual Report.

Prepare JURMP Annual Report

This task includes the preparation of the JURMP Annual Report in accordance with Section I of the Municipal Permit. A draft report will be prepared and submitted to the City for comments, after which a final report will be prepared. The number of hard copies and electronic copies of the final report required for submittal and for City records will be prepared and delivered to the City. The following sections will be included in the report:

- ▶ Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
- ▶ Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, and a summary list of key achievements.
- ▶ Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's SUSMP; treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications.
- ▶ Construction: will include a description of the City's BMP requirements and inventory management and inspection efforts, including enforcement.
- ▶ Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, MS4 maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included.
- ▶ Industrial/Commercial: will include a description of the City's BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses.
- ▶ Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas.
- ▶ Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved.
- ▶ Education: will include descriptions of various educational efforts by the City. The new Municipal Permit emphasizes presenting educational efforts categorized by type of target audience.
- ▶ Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program.
- ▶ Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. A new fiscal analysis framework has been developed by the Copermittees, and it will need to be implemented for the 2009/2010 JURMP Annual Report. Adapting the City's financial information to the new format will require developing a different structure for the section and working with the City to match financial data to the standard categories provided in the new fiscal analysis framework adopted by the Copermittees.
- ▶ Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008-2009 JURMP Annual Report will be used as a guideline for this section, and

graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.

- ▶ Special Investigations: will include a summary of any additional progress on the clean community program and any other relevant special studies completed during 2009-2010.
- ▶ Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.

■ **Training and Education.** D-MAX will conduct educational workshops and/or prepare education materials at the City's request to target audiences identified in the JURMP document. An educational calendar has been prepared in each of the last several years with storm water art generated by holding a popular third grade art contest. We will coordinate with the City each year to determine if a similar approach should be used in or whether a different approach will be more beneficial. Educational content for other programs may cover a variety of topics related to storm water quality and watershed concepts listed in the JURMP and will be tailored to each specific audience. Most likely the City will focus its outreach efforts on one or two target audiences or topics; workshops and target audiences could include those listed below:

Planning and Engineering Departments

The goal of this workshop will be to inform the Planning and Engineering Departments of general concepts listed in the JURMP and to address new Permit requirements relevant to each department. The Permit requires changes in land-use planning and engineering aspects of new development and redevelopment projects within the City, including the implementation of the City's SUSMP. Among the new requirements is the implementation of Low Impact Development (LID) measures for all development projects and hydromodification management measures for Priority Development Projects Subject to SUSMP.

Public Works Staff

The workshop will be targeted towards public works employees and will focus mainly on the practical aspects of BMP implementation. It will also address changes in public works operations required by the Municipal Permit, such as effects on channel maintenance and storm drain cleanout frequency. In the event that the City's NPDES Storm Water Compliance Inspector conducts this training, D-MAX will not provide a training session for this audience.

Construction Inspectors

The educational workshop for construction inspectors will include general concepts listed in the JURMP and additionally cover such topics as BMP implementation and maintenance, good housekeeping measures, site inspections and inspection frequency.

School Students

We will assist the City in providing training workshops for school students. The topics for these workshops include the source of pollutants, the impact of pollutants on the receiving water bodies and BMPs to prevent the pollutions.

Workshops

At the request of the City, we will provide targeted educational workshops for various industry or stakeholder groups. D-MAX has recently conducted workshops for industrial businesses, automotive businesses, the development and construction industry, and City residents.

Educational Materials

We will assist the City in developing educational materials such as pamphlets, calendars, articles for newsletter or websites, or fact sheets. These materials may be targeted at the development community, City residents, industrial and commercial businesses, City staff, or other audiences. The Municipal Permit requires additional education related to watershed concepts and watershed pollutants of concern.

- **Watershed Urban Runoff Management Program.** The City of National City is located within the San Diego Bay Watershed. The Municipal Permit requires each Copermittee to collaborate with other Copermittees within its watershed to identify and mitigate the highest priority water quality issues/pollutants in the watershed.

D-MAX will coordinate with the watershed Copermittees on behalf of the City of National City and fulfill the group requirements per the City instructions. Since 2004 we have assisted the City by helping write the San Diego Bay WURMP Annual Reports, and the City has been listed as among the primary authors of those annual reports. The City is also required to implement activities that measurably change knowledge, awareness, or behavior or target audiences and activities that result in significant pollutant load reductions or source abatement each year. We will assist the City with implementing these activities to meet WURMP requirements.

- **Representing the City in Various Meetings.** D-MAX will represent the City of National City in various meetings including those with other Copermittees, the Regional Board, and/or Regional Workgroups. The City has taken on the responsibility of serving as the secretary for the Regional WURMP Workgroup, and we will assist the City in fulfilling that responsibility.
- **Other Storm Water Services.** It has been our experience with other local municipalities and with the City of National City that storm water related situations arise from time to time that require immediate or expert action. D-MAX will be pleased to provide any other as-needed, on-call services to the City of National City that have not been identified above.

Group II Tasks

- **Source Identification Special Studies.** Additional monitoring studies may be necessary for source investigation purposes, including for efforts linked to WURMP activity implementation to address watershed pollutants of concern or to TMDLs. In some portions of the City exceedances have been noted for several consecutive years in the dry weather monitoring program, and it may be necessary to perform additional monitoring beyond the typical dry weather follow-up investigations to evaluate the effectiveness of measures taken to address the sources of the exceedances. The current Municipal Permit also includes requirements for effectiveness assessment, including outcome

levels 4, 5, and 6 (load reduction, change in quality of discharge, and change in receiving water quality). Additional monitoring may be required to evaluate the effectiveness of City activities in accordance with these requirements.

- **Web-Based Database Development.** The City's current NPDES program databases are in MS Access format, however the City is transitioning to the use of a web-based data management system. Since D-MAX currently maintains the databases, we propose to work with City or data management staff in transitioning to the online system and structuring the system to track the data that the City wants to have accessible online, such as industrial, commercial, construction, and SUSMP site inventories and inspection results. Using a web-based database will allow for both City and D-MAX users to access up to date data without the process of transferring MS Access files back and forth. This will help the City better comply with Municipal Permit requirements through more effective information transfer and a clearer understanding of where enforcement actions are needed.
- **TMDL Planning.** The Paleta Creek/7th Street Channel TMDL is currently under development, and TMDLs related to 303(d) listed impairments at Sweetwater River in the City of National City are proposed in the future. We will use monitoring data, inspection data, land use information, and other relevant data to prepare a strategic framework for taking actions with respect to TMDL regulations. The framework will include an assessment of sources within the watershed for each impaired water body, an assessment of potential BMPs or related management measures to address the identified sources, and methods that can be used to assess the effectiveness of implementing the BMPs. A draft framework document will be prepared and provided to the City for review. Review comments will be incorporated, after which the document will be finalized and delivered to the City.

EXHIBIT B

FEE SCHEDULE & 2011-2012 COST SUMMARY

We propose to complete the aforementioned services on a time and materials basis (not to exceed \$250,000 total) in accordance with the attached schedule of fees. Our estimated costs are listed below.

	Principal Engineer	Project Scientist	Asst Proj Scientist	Staff Scientist II	Staff Scientist	Drafter	Word Processor	ODC*	Total
Rate	\$140	\$110	\$100	\$92	\$85	\$65	\$55		
Group I Tasks									
Project Coordination	40	40	20					\$400	\$12,400
Data Management and GIS	4	20	24	16			40		\$8,832
Assist in Compliance Inspection Program	12	24	70	90	400		66	\$1,800	\$59,030
SUSMP Implementation and Document Preparation	40	30	48	20			8	\$100	\$16,080
Dry Weather Analytical Monitoring and Field Screening	12	6	24	16	78	4	7	\$3,295	\$16,782
Follow-up Investigations	8	4	16	8	56	4	4	\$2,900	\$12,036
MS4 Monitoring	2	2	6		24	2	2	\$1,500	\$4,880
JURMP Annual Report	20	50	130	30			12	\$200	\$24,920
Training and Education	20	20	60	20			20	\$5,000	\$18,940
Watershed Urban Runoff Management Program	6	40	54	30			12	\$700	\$14,760
Representing the City in Various Meetings	30	50	16					\$800	\$12,100
Other Storm Water Services	8	8	16		20		8	\$200	\$5,940
Sub-Total	202	294	484	230	578	10	179	\$16,895	\$206,700
Group II Tasks									
Source Identification and Special Studies	10	24	32		120	8	16	\$3,120	\$21,960
Web-Based Database Development	6	40	80				20		\$14,340
TMDL Planning	12	12	40						\$7,000
Sub-Total	28	76	152	0	120	8	36	\$3,120	\$43,300
Overall Totals	230	370	636	230	698	18	215	\$20,015	\$250,000

*ODC for Dry Weather Monitoring includes laboratory analytical costs, and ODC for Training and Education includes outside printing of materials (e.g., calendars).

EXHIBIT B
FEE SCHEDULE & 2011-2012 COST SUMMARY

January 1, 2011

This Schedule of Fees will be adjusted periodically. The new fee schedule will apply to all existing and new work.

LABOR

<u>Classification</u>	<u>Hourly Rate</u>
Clerk*	\$ 50
Word Processor*	55
Drafter*	65
Technician*	65
Senior Technician*	75
Staff Scientist/Engineer I	85
Staff Scientist/Engineer II	92
Assistant Project Scientist/Engineer	100
Project Scientist/Engineer	110
Senior Scientist/Engineer	120
Principal Scientist/Engineer	140

OTHER CHARGES

Subcontracted services, such as sub consultants, outside testing, drilling, and surveyors, will be charged at cost plus 15%. 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 15%. Mileage will be charged at a rate of \$0.57 per mile.

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

* Overtime (in excess of 8 hours per day) and weekend hours will be charged at 1.5 times the above rates for non-exempt personnel.

Field and hourly services will be charged portal to portal from our office, with a two-hour minimum.

Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$200/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

**EXHIBIT C
PROJECT SCHEDULE**

Tasks	JULY 2011	AUG 2011	SEP 2011	OCT 2011	NOV 2011	DEC 2011	JAN 2012	FEB 2012	MAR 2012	APR 2012	MAY 2012	JUN 2012
Project Coordination												
Data Management												
Assist in Compliance Inspection Program												
Dry Weather Analytical Monitoring and Field Screening												
Follow-Up Investigations												
MS4 Monitoring												
JURMP Annual Report												
Training and Education												
Watershed Urban Runoff Management Program												
Representing the City in Various Meetings												
Other Storm Water Services												
Source Identification and Special Studies												
Web-Based Database Development												
TMDL Planning												

June 4, 2009

Mr. Malik Tamimi
Stormwater Program Administrator
City of Poway
Development Services Department
13325 Civic Center Drive
Poway, California 92064

Re: Proposal for City of Poway Stormwater Services

Dear Mr. Tamimi:

In response to your Request for Proposal (RFP) dated June 1, 2009, D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to provide the City of Poway (City) 2008-2009 Jurisdictional Urban Runoff Management Program (JURMP) annual report preparation and as needed services. This work will be conducted in accordance with the applicable requirements, including the Federal National Pollutant Discharge Elimination System (NPDES) and the San Diego Regional Water Quality Control Board (RWQCB) Order No. R9-2007-0001 (Municipal Permit).

D-MAX is an environmental consulting company established in 1996. We specialize in providing storm water services to local municipalities in San Diego County. D-MAX has provided storm water program annual reporting services for a total of 23 reports for four jurisdictions in San Diego County and one in Orange County. We also recently prepared seven complete JURMP documents and sections of JURMP documents for three additional jurisdictions to comply with Municipal Permit requirements. Our qualifications for this project are summarized as follows:

- **Poway Experience.** Having worked with the City since 1997, D-MAX personnel have developed in-depth knowledge of the City's drainage system, businesses, municipal facilities and operations, development regulations, and overall storm water program. During this period we have built a strong rapport with City personnel. D-MAX's work with the City of Poway includes the following:
 - Preparing the City's previous and current Jurisdictional Urban Runoff Management Program (JURMP) documents
 - Preparing JURMP annual reports
 - Performing Dry Weather Monitoring Programs for the last 12 years
 - Conducting additional monitoring studies at several locations in the City
 - Performing industrial and commercial business compliance inspections
 - Conducting effectiveness studies for the City's regional BMPs (detention basins)
 - Performing document review of SUSMPs submitted to the City
 - Preparing industrial and construction SWPPPs
 - Conducting monitoring and reporting for State General Industrial Permit compliance for municipal facilities in the City
 - Providing training in storm water for the City's engineers and planners

- **Municipal NPDES Permit Knowledge.** D-MAX employees have a thorough understanding of the Municipal Permit requirements. We have written JURMPs for more Copermittees in the San Diego region than any other consulting firm, and we also contributed to the Copermittee comment and review process during the reissuance of the Municipal Permit. We are active members of several Copermittee workgroups, including the Fiscal, Reporting, and Assessment Workgroup, the Regional Monitoring Workgroup, the Municipal Sources Workgroup, the Land Development Workgroup, and the Industrial and Commercial Sources Workgroup.
- **RWQCB Relationship.** Over the years, D-MAX personnel have developed a strong relationship with the RWQCB. D-MAX has represented several cities in meetings with and audits by the RWQCB. JURMPs and JURMP annual reports that we have prepared have been viewed favorably by the RWQCB.
- **Cost Effectiveness.** As a relatively small firm, we maintain low overhead so we can provide our clients with some of the most highly qualified environmental professionals available at affordable rates. We are familiar with the City's program and staff, which will help us perform JURMP annual reporting and as-needed services efficiently. During the last 12 years, we have completed our projects for the City of Poway on time and within budget.
- **Past Performance.** D-MAX has performed numerous storm water projects for 18 Copermittees in San Diego and Orange counties. During these projects we have developed excellent working relationships with individual City personnel and have completed our projects on time and on budget. Our existing clients have been extremely satisfied with our performance on various storm water related projects.

The undersigned is the Project Manager and the main contact for the City for the services described in this proposal.

We are confident that our experience with the City's storm water program, the City's JURMP, and the Municipal Permit will enable us to provide excellent service to the City of Poway. We look forward to working with you on this interesting project. Please give us a call if you would like to discuss or have any questions regarding this proposal.

Sincerely,
D-MAX Engineering, Inc.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager/Principal

1. ENGINEERING FIRM INFORMATION

1.1 INTRODUCTION

D-MAX Engineering, Inc. (D-MAX) is an environmental engineering firm with an emphasis on storm water services. D-MAX was established in 1996 and currently has 20 employees. We have performed Dry Weather Field Screening and Analytical Monitoring Programs (Dry Weather Monitoring Program) for the County of San Diego and the cities of Poway, Carlsbad, El Cajon, La Mesa, Lemon Grove, National City, Poway, San Marcos, Santee, and Vista. Additionally, we have conducted a number of wet weather sampling programs and other monitoring programs for cities throughout San Diego County.

We are planning to use EnviroMatrix Analytical, Inc. (EnviroMatrix) to conduct any laboratory tests that may be required for as-needed services. EnviroMatrix is a California-certified analytical laboratory and has been involved in many storm water projects in San Diego County.

The contact information for D-MAX and EnviroMatrix are listed below.

D-MAX contact information:	7220 Trade Street San Diego, CA 92121 (858) 586-6600 E-mail: admin@dmatrix.com Website: www.dmatrix.com
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EnviroMatrix contact information:	4340 Viewridge Ave., Suite A San Diego, CA 92121 (858) 560-7717
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1.2 KEY PERSONNEL

The personnel selected for this project are highly experienced in different aspects of storm water services, including dry weather field screening and analytical monitoring, illicit connection/illegal discharges identification, wet weather monitoring, and storm water management program development. They have been involved in BMP evaluation and development, and assisting municipalities in conducting storm water compliance inspections of businesses, municipal facilities, and construction sites.

Arsalan Dadkhah, Ph.D., P.E. will be our Project Manager for the services described in this proposal. He has over 30 years of engineering experience with an emphasis on hydrology, hydraulics, and water quality. Dr. Dadkhah has directed a multitude storm water quality studies for municipalities within San Diego and Orange counties, including a number of different storm water projects for the City of Poway. He has been Project Managers for preparing a number of JURMPs and JURMP annual reports.

Mr. John Quenzer is an Environmental Scientist with a Bachelor's degree in environmental chemistry. He recently coordinated the development of JURMPs for the City of Poway and nine other Copermittees as well as several JURMP annual reports for four cities. He has been a primary author of the last four San Diego Bay WURMP annual reports. Other recent projects include coordinating treatment control BMP and business inspection programs, database development, dry weather monitoring programs, wet weather monitoring, and

special investigations. Mr. Quenzer will be project coordinator and responsible for report preparation.

Ms. Karen Thompson is an Environmental Scientist with a Bachelor's of Science in Marine and Freshwater Biology. Her recent experience has been in coordinating and conducting storm water compliance inspection programs for industrial, commercial, and construction sites for the cities of Poway, San Diego, La Mesa, San Marcos, Vista, and National City. Ms. Thompson has also written sections of JURMPs and JURMP annual reports for the City of Poway, La Mesa, Chula Vista, Santee and El Cajon. Her responsibility for this project includes assisting in JURMP annual report preparation.

Ms. Shauna McKellar is an Environmental Scientist with a Bachelor's of Science in Environmental Toxicology. Ms. McKellar has developed treatment control BMP inventories and coordinated treatment control BMP inspection programs for the cities of Poway, San Diego, San Marcos, La Mesa, and National City. Her duties include database management, inspection form design, and field inspections. Other recent projects include technical reviews of SUSMPs and WQTRs, developing a WQTR for the City of Temecula, and writing sections of JURMPs for seven cities in San Diego County, including the City of Poway. She will be assisting in JURMP annual report preparation for this project.

Ms. Crystal Grover is an Environmental Scientist with a Master's degree in biology. She has performed Dry Weather Monitoring Programs for the cities of Poway, Chula Vista, El Cajon, La Mesa, Lemon Grove, National City, San Marcos, Santee, and the County of San Diego, acting as team lead in many of these programs. She has also conducted monitoring in Forester Creek in Santee and wet weather sampling in the cities of Poway and La Mesa., and she has written several construction SWPPPs for the City of Poway and other municipalities. Ms. Grover will be assisting in annual report preparation and any required sampling.

Manouchehr (Manoo) Dadkhah, Ph.D., Dr. Dadkhah is an Environmental Scientist with more than 20 years experience in hydrology, erosion control and watershed management. For the past 10 years, he has led the City of Poway's Dry Weather Monitoring Program and is therefore very familiar with the City's drainage patterns. He has also been involved in conducting Dry Weather Monitoring Programs and other monitoring projects for a number of other jurisdictions in San Diego County throughout the past 11 years. He will provide any required assistance in as-needed sampling, monitoring, and source identifications.

All key personnel assigned to this project have worked in several City of Poway projects and are very familiar with the City's storm water program.

2. ENGINEERING FIRM EXPERIENCE

The following is a brief description of projects similar to the subject assignment previously performed by D-MAX. Contact information for our clients on these projects can be found in the references table later in this section.

Municipal Storm Water Program Annual Reports

D-MAX has prepared JURMP annual reports to comply with storm water permits for the cities of Poway, National City, Santee, and La Mesa in San Diego County and the City of La Habra in Orange County. D-MAX is very familiar with current reporting requirements and RWQCB staff, has developed a number of methods to analyze program effectiveness, and has assisted cities with addressing comments from the San Diego and Santa Ana RWQCBs. Our storm water program annual report preparation experience is summarized in the table below.

Name	Year of Service	Amount of Most Recent Annual Report Contract
City of La Mesa	2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008	\$25,667
City of National City	2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008	\$24,903
City of Santee	2004/2005, 2007/2008	\$19,853*
City of Poway	2002/2003, 2003/2004, 2004/2005, 2005/2006, 2006/2007, 2007/2008	\$1,950**
City of La Habra	2002/2003, 2003/2004, 2004/2005	\$22,133

Notes

*This project involved completing most, but not all, sections of the report, and it also did not include reproduction.

**Only included preparing selection components of the report.

Jurisdictional Urban Runoff Management Programs

D-MAX has developed JURMPs for a number of jurisdictions in San Diego County both in 2002, in accordance with Order No. 2001-01, and the more recently adopted Municipal Permit. In 2007, D-MAX prepared JURMPs for Poway, Chula Vista, El Cajon, La Mesa, Santee, National City, and Oceanside. Additionally, D-MAX assisted the cities of Vista, Encinitas, and San Marcos to complete sections of the JURMP document. Most of these projects involved preparing updated inventories of dry weather monitoring stations and/or procedures.

Watershed Urban Runoff Management Programs

D-MAX represents the City of National City in the San Diego Bay WURMP Workgroup and has assisted the cities of La Mesa and National City in WURMP annual reporting for the San Diego River and San Diego Bay WURMPs. D-MAX has been listed as a primary author of the last six San Diego Bay WURMP annual reports and the 2008 WURMP update. We have also completed special investigations as watershed water quality activities for the cities of San Diego, National City, and La Mesa.

Dry Weather Monitoring Programs

We have conducted over 100 Dry Weather Field Screening and Analytical Monitoring programs during the past 13 years for several jurisdictions in San Diego County. These projects have been conducted with essentially the same approach and protocols used in the City of Poway's dry weather program. Our clients are listed below.

City of Chula Vista	2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
County of San Diego	2007, 2008
City of Carlsbad	1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
City of El Cajon	2002, 2003, 2004, 2005, 2006, 2007, 2008
City of La Mesa	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
City of Lemon Grove	1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
City of National City	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
City of Poway	1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
City of San Marcos	2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
City of Santee	1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008
City of Vista	2002, 2003, 2008

These projects included field screening and sampling at several locations within each city in accordance with the RWQCB requirements. Field activities included conducting visual observations, performing field tests for conductivity, pH, temperature, turbidity, ammonia, nitrate, reactive phosphorus and MBAS, and collecting grab samples for laboratory analysis of dissolved metals, organophosphate pesticides, oil and grease, and indicator bacteria. A report was prepared for each program presenting our evaluation of the dry weather flow conditions and our recommendations for source identification and control.

Several of the above Dry Weather Monitoring Programs required two rounds of monitoring per dry season period. Recently trash assessments were added to the programs, and we have also been assisting cities in converting their dry weather and trash data to the County's regionally accepted data sharing format since the format was developed several years ago.

In addition to dry weather monitoring, we have also conducted additional studies of receiving water bodies in conjunction with the Dry Weather Monitoring Program for several of our clients. This involved taking water samples of receiving waters during ambient conditions and preparing reports of our findings.

City of Poway BMP Effectiveness Studies

D-MAX provided design assistance to the City of Poway for retrofitting flood control detention basins for use as regional treatment control BMPs for SUSMP compliance. Since 2004 we have also taken wet weather composite samples of runoff entering detention basins in the City, as well as outflow samples after three days of detention. The results of

inflow and outflow samples are compared to see the effect of the basins. Based on the results of the study, a paper was prepared and presented at the annual StormCon conference.

Storm Water Compliance Inspections

Throughout the past several years, D-MAX has conducted more than 14,000 storm water compliance inspections of industrial, commercial, municipal, homeowners' association, treatment control BMP, and construction sites for 14 Copermittees in San Diego and Orange Counties. As part of the inspection process, watershed-based, prioritized facility inventories are developed, inspection forms are designed, and all inspection data is entered into GIS-compatible inspection databases. During the site inspections themselves, D-MAX confirms or updates the facility contact information, records the site's watershed, ensures the facility is prioritized accurately, provides public education about storm water quality issues and downstream receiving water bodies, distributes educational materials, and evaluates the effectiveness of existing BMPs and recommends additional BMPs as needed. Our experience with storm water compliance inspections has provided us with an in-depth understanding of potential sources of various pollutants and appropriate BMPs necessary to prevent polluted discharges.

City of Santee Forester Creek Improvement Project Water Quality Monitoring

The City of Santee received a Proposition 13 Grant to help fund its Forester Creek Improvement Project. The project included creek restoration and flood control components, including widening and revegetating the creek channel. To help fulfill associated grant requirements, D-MAX prepared a sampling plan, a Quality Assurance Project Plan, a 2005 Annual Monitoring Report, and a Project Assessment and Evaluation Plan. We also conducted water quality monitoring at three sites in the creek on a monthly basis for more than three and a half years. This monitoring included a specially designed trash assessment to meet RWQCB requirements and a TDS component analysis to help the City gather more information about potential causes of the chronically elevated TDS readings in the creek. At the end of the project a final report assessing the results of the monitoring was prepared.

La Mesa Wet Weather and Additional Monitoring

D-MAX has conducted several special monitoring programs for the City of La Mesa, including wet weather monitoring to help the City gain additional data about constituents associated with Total Maximum Daily Load (TMDL) requirements for Chollas Creek and the San Diego River. The monitoring includes collecting composite samples over the course of a storm at strategic locations throughout the city during rain events. D-MAX has also conducted a study on La Mesa's creeks and channels to evaluate the quality of urban runoff leaving the City of La Mesa and a study of the spring located in La Mesa's Collier Park to determine beneficial uses.

San Diego River Water Quality Monitoring Study

As part of an overall San Diego River Watershed bacteria study being conducted by the City of San Diego, D-MAX is collecting dry and wet weather samples from targeted locations on behalf of the cities of Santee and El Cajon within those cities' jurisdictions. The program involves flow-weighted sampling at one location in each City, developing rating curves to estimate flow for the wet weather monitoring, ambient monitoring in major receiving water bodies in the cities, and dry weather monitoring and visual surveys targeted at irrigation runoff in residential areas.

City of San Marcos Old California Restaurant Row Center

The objectives of this study was to identify the sources of odor and polluted water discharging into the storm water system from the Old California Restaurant Row area and provide recommendations to enhance the quality of the non-storm water draining into the city’s storm drain system. This investigation included tracing flow at the outfall upstream to identify the sources of flow, collecting flow samples and testing for several constituents to identify pollutants, conducting dye and smoke tests to identify downstream and upstream connections, and conducting visual inspections and videotaping to identify the sources of extra flow. General and site specific recommendations included preparation of public education materials, engineering plans to eliminate illicit connections and best management practices to be implemented at the site.

Storm Water Education and Training

During the past several years, D-MAX has assisted several cities by

- Developing brochures, calendars, and other educational materials for several cities. An example is the City of National City’s annual storm water education calendar, which in 2009 features artwork from National City’s schoolchildren. D-MAX worked with City staff and school district staff to coordinate an art contest open to all third graders in the City of National City. Students submitted drawings with a theme of protecting the City’s waterways through keeping the community clean, and the winners’ drawings were included as the art in the calendar.
- Conducting training seminars for municipal employees including engineering, public works, and land-use planning staff. We have also conducted presentations for private industry. Topics have included SUSMP implementation, construction BMPs and State General Construction Permit requirements, industrial and commercial BMPs and State General Industrial Permit requirements, BMPs for public works activities, and general overviews of storm water issues.

REFERENCES

The performance of D-MAX on storm water related projects in particular, can be verified by contacting our clients. The following individuals, who have used our company for similar projects, will attest to our business reputation, quality of services, and project management skills.

Name	Agency	Telephone Number	Projects
Mr. Din Daneshfar	City of National City	(619) 336-4380	JURMP Annual Reporting, JURMP Development, WURMP Reporting and Implementation, Dry Weather Monitoring Programs, Complete Storm Water Services 2004-2009, Compliance Inspections, SUSMP Review
Ms. Helen Perry	City of Santee	(619) 258-4100 ext. 117	JURMP Annual Reporting, JURMP Development, Dry Weather Monitoring Programs, Annual Reporting, Forester Creek Monitoring, Compliance Inspections

Name	Agency	Telephone Number	Projects
Mr. Hamed Hashemian	City of La Mesa	(619) 667-1153	JURMP Annual Reporting, JURMP Development, Dry Weather Monitoring Programs, Special Studies, Compliance Inspections, SUSMP Review
Mr. Khosro Aminpour	City of Chula Vista	(619) 397-6111	JURMP Development, Dry Weather Monitoring Programs
Mr. Jaime Campos	City of El Cajon	(619) 441-5554	JURMP Development, Dry Weather Monitoring Programs, Special Studies, Compliance Inspections
Mr. Paul Hartman	City of Vista	(760) 726-1340 ext. 1373	Dry Weather Monitoring Programs, Additional Creek Monitoring Study, Compliance Inspections
Mr. Jeff Sinn	City of La Habra	(562) 905-9720	Local Implementation Plan Development, Annual Reporting, Compliance Inspections, SWPPP Preparation, WQMP Review
Ms. Cora Long	City of Lemon Grove	(619) 825-3810	Dry Weather Monitoring Programs, Compliance Inspections
Ms. Elaine Lukey	City of Carlsbad	(760) 602-7582	Dry Weather Monitoring Programs, JURMP Development, Compliance Inspections
Ms. Erica Ryan	City of San Marcos	(760) 744-1050 ext. 3218	Dry Weather Monitoring Programs, Upstream Investigations, Compliance Inspections

3. SCOPE OF SERVICES

The scope of services associated with this project includes the following tasks:

I. JURMP ANNUAL REPORT

Task 1: Review and Respond to RWQCB Comments on FY 2007/2008 JURMP Annual Report

Once they become available, we will review the Regional Water Quality Control Board's (RWQCB) comments on the last JURMP Annual Report to identify areas of concern to the RWQCB. We will assist the City in preparing a response to the comments and will structure the 2008/2009 JURMP Annual Report to address the comments where applicable. We assume that any comments received will not result in major restructuring of the report or additional analysis beyond the scope of what is described in Task 3 below.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during 2008/2009. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3. We assume that this

task will mainly be conducted over the phone and through email, but we estimate that approximately three two hour meetings will also be necessary.

Task 3: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

Sections

Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.

Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, a reference to any RWQCB comments on the City's 2007/2008 JURMP Annual Report (if applicable, the response will be included as an attachment), and a summary list of key achievements.

Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP); treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- A listing of the priority development projects which were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
- An updated treatment control BMP inventory.
- The number of treatment control BMPs inspected, including a summary of inspection results and findings.
- A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
- Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
- A listing of any projects which received a SUSMP waiver.
- A description of implementation of any SUSMP waiver mitigation program.
- A description of Hydromodification Management Plan (HMP) development collaboration and participation.
- A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
- A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
- A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
- The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up

actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.

Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.
- Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
- A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.

Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
- Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
- Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
- Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
- Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
- Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2008/2009.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of

trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.

- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.

Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
- A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermitees.
- A list of inspections conducted during the fiscal year, including inspection findings.
- The City's current inventories of industrial and commercial businesses.

Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
- A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
- Identification of high priority residential areas and BMPs or other actions taken to mitigate potential pollutant discharges from those areas in particular.

Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
- A list of complaints and hotline calls received and how they were resolved.
- A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.

Education: will include descriptions of various educational efforts by the City. The Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.

- A description of education efforts conducted for each target community.
- Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and "allowable" behaviors and discharges.
- A list of educational materials distributed, including numbers as available.

Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program. This section will include descriptions of public participation activities the City has sponsored or participated in, such as cleanup events and partnerships with local environmental groups.

Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. This section is anticipated to have the same format as the fiscal analysis sections for previous annual reports have had. A new fiscal analysis framework has been developed by the Copermittees, but it is not required to be implemented for the 2008/2009 JURMP Annual Report.

Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.

Special Investigations: Special investigations the City has conducted during the reporting period will be described here. This will include the detention basin effectiveness study we conducted for the City and any other special studies the City has completed.

Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.

Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.

Report Preparation: Draft

We will prepare one (1) hard copy of a draft JURMP Annual Report and attachments for City review. An electronic copy of the report text may also be provided if desired.

Responding to City Comments on the Draft Report

We anticipate receiving and incorporating two rounds of technical comments on the draft report from the City.

Report Preparation: Final

We will prepare and deliver two (2) hard copies and four (4) electronic copies of the final JURMP Annual Report and attachments. We will convert all electronic files, including attachments and the certification statement, to pdf format and merge them into a single pdf document to meet RWQCB paperless office requirements.

II. AS NEEDED SERVICES

D-MAX has conducted BMP effectiveness monitoring, storm water compliance inspections, SWPPP preparation, special monitoring projects, and other as-needed tasks for the City in the past. Some of our more recent projects are described in the experience section of this proposal. Some of the as-needed services we have previously provided to the City are listed below:

- Conducting monitoring and reporting for State General Industrial Permit compliance for municipal facilities in the City
- Performing industrial and commercial business compliance inspections
- Conducting additional monitoring studies at several locations in the City
- Conducting effectiveness studies for the City's regional BMPs (detention basins)
- Performing document review of SUSMPs submitted to the City
- Preparing industrial and construction SWPPPs
- Providing training in storm water for the City's engineers and planners

Due to our extensive and varied experience in providing storm water services to the City of Poway and to many other jurisdictions in San Diego County, we are able to provide a wide range of storm water related services to meet the City's needs. Our staff's familiarity with the City will allow us to provide as-needed services in the most efficient manner possible. Since we have 20 staff who work almost exclusively on storm water projects, we are also able to complete special, as-needed projects on short notice if the situation requires that.

4. COST PROPOSAL

Our proposed costs for conducting the services proposed herein are included in a separate, sealed envelope per the requirements in the RFP.

June 4, 2009
Revised: June 9, 2009

Mr. Malik Tamimi
Stormwater Program Administrator
City of Poway
Development Services Department
13325 Civic Center Drive
Poway, California 92064

**Re: Cost Estimate for Performing Storm Water Services
City of Poway, California**

Dear Mr. Tamimi:

Our proposed costs to complete the scope of services described in our proposal are as follows:

- I. 2008/2009 JURMP Annual Report. We will perform this task on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed the amount below.

Updated June 9, 2009 **Time and materials (not to exceed \$18,983)**

- II. Performing As-Needed Services. Since the scope of services for this task is not fully known at the time, we propose to conduct this task on a time and material basis in accordance with the attached Schedule of Fees.

Time and materials

D-MAX Engineering, Inc.

Arsalan Dadkhah, Ph.D., P.E.
Principal

D-MAX Engineering, Inc.

Consultants in Water & Environmental Sciences



May 12, 2010

Mr. Malik Tamimi
Stormwater Program Administrator
City of Poway
Development Services Department
13325 Civic Center Drive
Poway, California 92064

Re: Proposal for City of Poway Stormwater Services

Dear Mr. Tamimi:

In response to your Request for Proposal (RFP), D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to perform stormwater services for the City of Poway (City). Services to be provided include completing the 2010 Dry Weather Field Screening and Analytical Monitoring Program (Dry Weather Monitoring Program), upstream pollutant source investigations, the Targeted Dry Weather MS4 Outfall Monitoring Program (MS4 Outfall Monitoring Program), and other as-needed services. This work will be conducted in accordance with the requirements of the Federal National Pollutant Discharge Elimination System (NPDES) and San Diego Regional Water Quality Control Board (RWQCB) Order No. R9-2007-0001 (Municipal Permit).

D-MAX is an environmental consulting company established in 1996. We specialize in providing storm water services to local municipalities in San Diego County. D-MAX has conducted over 110 Dry Weather Field Screening and Analytical Monitoring Programs during the past 14 years for various municipalities throughout San Diego County. We have also assisted municipalities in conducting upstream investigations to identify and eliminate source(s) of pollutants. Our qualifications for this project are summarized as follows:

- **Poway Experience.** Having worked with the City since 1997, D-MAX personnel have developed in-depth knowledge of the City's drainage system, upstream land-uses, businesses, areas of concern, and overall storm water program. During this period we have built a strong rapport with City personnel. D-MAX's work with the City of Poway includes the following:
 - Performing Dry Weather Monitoring Programs for the last 13 years
 - Preparing the City's previous and current Jurisdictional Urban Runoff Management Program (JURMP) documents
 - Preparing JURMP annual reports
 - Conducting additional monitoring studies at several locations in the City
 - Performing industrial and commercial business compliance inspections
 - Conducting effectiveness studies for the City's regional BMPs (detention basins)
 - Performing technical reviews of Standard Urban Stormwater Mitigation Plan (SUSMP) submitted to the City
 - Preparing industrial and construction Storm Water Pollution Prevention Plan (SWPPP)



- Conducting monitoring and reporting for State General Industrial Permit compliance for municipal facilities in the City
- Providing training in storm water for the City's engineers and planners
- **Dry Weather Action Levels.** D-MAX compiled and analyzed countywide data from the 2002 Dry Weather Monitoring Programs to identify appropriate action levels for dry weather monitoring constituents. The results of this study were used to establish action levels that have been used regionally since 2003. In 2009, D-MAX completed a study for the regional Dry Weather Monitoring Workgroup to update action levels for total coliform, fecal coliform and *Enterococcus* bacteria; the updated actions levels will be used beginning this year.
- **Municipal NPDES Permit Knowledge.** D-MAX employees have a thorough understanding of the Municipal Permit requirements. We are active members of several Copermittee workgroups, including the Dry Weather Monitoring Workgroup. In recent years we helped 10 cities update the Dry Weather Monitoring Program portions of their JURMPs to meet Municipal Permit requirements. We also helped develop the trash assessment approach that was implemented in 2008 and gave a presentation to the Copermittees on definitions of various categories of trash amounts that are to be marked on the form.
- **Cost Effectiveness.** As a relatively small firm, we maintain low overhead so we can provide our clients with some of the most highly qualified environmental professionals available at affordable rates. Due to the large volume of samples collected by D-MAX countywide, we are able to negotiate discounted rates for laboratory analyses. During the last 13 years, we have completed the Dry Weather Monitoring Program for the City of Poway on time and within budget. Our familiarity with the City and common pollutant sources allows us to complete upstream investigations and as-needed services in the shortest time possible.
- **Past Performance.** D-MAX has performed numerous storm water projects for 18 Copermittees in San Diego and Orange counties. During these projects we have developed excellent working relationships with individual City personnel and have completed our projects on time and on budget. Our existing clients have been extremely satisfied with our performance on various storm water related projects.

The undersigned is the Project Manager and the main contact for the City for the services described in this proposal.

We are confident that our experience with the NPDES storm water program and familiarity with the Dry Weather Monitoring Program will enable us to provide excellent service to the City of Poway. We look forward to working with you on this project. Please feel free to contact us to discuss this proposal.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in cursive script, reading 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager/Principal

1. ENGINEERING FIRM INFORMATION

1.1 INTRODUCTION

D-MAX Engineering, Inc. (D-MAX) is an environmental engineering firm with an emphasis on storm water services. D-MAX was established in 1996 and currently has 15 employees. We have performed Dry Weather Field Screening and Analytical Monitoring Programs (Dry Weather Monitoring Program) for the County of San Diego and the cities of Poway, Carlsbad, El Cajon, La Mesa, Lemon Grove, National City, Poway, San Marcos, Santee, and Vista. Additionally, we have conducted a number of wet weather sampling programs and other monitoring programs for cities throughout San Diego County. D-MAX has sufficient General Liability Insurance and Professional Liability Insurance (Errors and Omissions) to meet the City's requirements.

For this project, we are planning to use EnviroMatrix Analytical, Inc. (EnviroMatrix) to conduct the required chemical and microbiological tests. EnviroMatrix is a California-certified analytical laboratory and has been involved in many storm water projects in San Diego County.

Both D-MAX and EnviroMatrix are located in San Diego County and are a short commute from the City of Poway.

D-MAX contact information:

7220 Trade Street, Suite 119
San Diego, CA 92121
Phone: (858) 586-6600
Fax: (858) 586-6644
E-mail: admin@dmaxinc.com

EnviroMatrix contact information:

4340 Viewridge Ave., Suite A
San Diego, CA 92121
Phone: (858) 560-7717
Fax: (858) 560-7763

1.2 KEY PERSONNEL

The personnel selected for this project are highly experienced in different aspects of storm water services, including dry weather field screening and analytical monitoring, illicit connection/illegal discharges identification, wet weather monitoring, and storm water management program development. They have been involved in BMP evaluation and development, and assisting municipalities in conducting storm water compliance inspections of businesses, municipal facilities, and construction sites.

Arsalan Dadkhah, Ph.D., P.E. will be our Project Manager for the services described in this proposal. He has over 30 years of engineering experience with an emphasis on hydrology, hydraulics, and water quality. Dr. Dadkhah has been the Project Manager for Dry Weather Monitoring Programs in the City of Poway for the last 13 years. He has directed numerous storm water quality studies for municipalities within San Diego and Orange counties, including a number of different storm water projects for the City of Poway. He has been involved with the regional Dry Weather Monitoring Workgroup since its inception, including serving as co-chair for several years.

Manouchehr (Manoo) Dadkhah, Ph.D., will be the field monitoring team leader. He is an Environmental Scientist with more than 20 years experience in hydrology, erosion control and watershed management. For the past 10 years, he has led the City of Poway's Dry Weather Monitoring Program and is therefore very familiar with the City's drainage patterns. He has also

been involved in conducting Dry Weather Monitoring Programs for a number of other jurisdictions in San Diego County throughout the past 11 years.

Mr. John Quenzer is an Environmental Scientist with a Bachelor's degree in environmental chemistry. He has participated in and helped supervise a number of Dry Weather Monitoring Programs in 10 cities and for the County of San Diego. He is an active member of the Regional Monitoring Workgroup. He managed the development of JURMPs for the City of Poway and seven other Copermittees as well as several JURMP Annual Reports. Mr. Quenzer will be responsible for data analyses and report preparation for the monitoring portions of this project.

Ms. Crystal Grover is an Environmental Scientist with a Master's degree in biology. She has performed Dry Weather Monitoring Programs for the cities of Poway, Chula Vista, El Cajon, La Mesa, Lemon Grove, National City, San Marcos, Santee, and the County of San Diego, acting as team lead in many of these programs. She has also conducted monitoring in Forester Creek in Santee and wet weather sampling in the cities of Poway and La Mesa, and she has written several construction SWPPPs for the City of Poway and other municipalities. Ms. Grover will be assisting in sampling and report preparation.

All key personnel assigned to this project have worked in several City of Poway projects and are very familiar with the City's storm water program. Resumes of key personnel are attached to this proposal.

2. ENGINEERING FIRM EXPERIENCE

The following is a brief description of projects similar to the subject assignment previously performed by D-MAX. Contact information for our clients on these projects can be found in the references table later in this section.

City of Poway Dry Weather Monitoring Programs. D-MAX has performed the City of Poway's Dry Weather Monitoring Program since 1997. We are very familiar with the City's monitoring locations, drainage system and patterns, land-uses, common sources of exceedances, and areas of concern. Additionally, D-MAX has assisted the City in conducting trash assessments of dry weather monitoring locations since 2008 and performing targeted dry weather municipal separate storm sewer system (MS4) outfall monitoring beginning last year.

Countywide Dry Weather Monitoring Programs. D-MAX has conducted over 110 dry weather monitoring programs throughout the San Diego region. Our clients include

- City of Poway (1997-2009)
- City of Carlsbad (1998-2009)
- City of Chula Vista (2000-2009)
- City of El Cajon (2002-2009)
- City of La Mesa (1996-2009)
- City of Lemon Grove (1998-2009)
- City of National City (1996-2009)
- City of San Marcos (2001-2009)
- City of Santee (1996-2009)
- City of Vista (2002-2003, 2008-2009)
- County of San Diego (2007-2009)

Dry Weather Action Level Development. D-MAX compiled and analyzed countywide 2002 Dry Weather Monitoring Program data to develop action levels for dry weather monitoring constituents. Since 2003, these action levels have been used by San Diego County Copermittees. Recently, D-MAX perform statistical analyses on 2002 through 2007 dry weather bacteria data from all San Diego County Copermittees to help develop updated action levels. Based on the results of our study and presentation, the Regional Monitoring Workgroup has updated the action levels to be used in 2010.

City of Poway BMP Effectiveness Studies. D-MAX provided design assistance to the City of Poway for retrofitting flood control detention basins for use as regional treatment control BMPs for SUSMP compliance. Since 2004 we have also taken wet weather composite samples of runoff entering detention basins in the City, as well as outflow samples after three days of detention. The results of inflow and outflow samples are compared to see the effect of the basins. Based on the results of the study, a paper was prepared and presented at the annual StormCon conference.

Jurisdictional Urban Runoff Management Programs. D-MAX has developed JURMPs for a number of jurisdictions in San Diego County both in 2002, in accordance with Order No. 2001-01, and the more recently adopted Municipal Permit. In 2007, D-MAX prepared JURMPs for Poway, Chula Vista, El Cajon, La Mesa, Santee, National City, and Oceanside. Additionally, D-MAX assisted the cities of Vista, Encinitas, and San Marcos to complete sections of the JURMP document. Most of these projects involved preparing updated inventories of dry weather monitoring stations and/or procedures.

Watershed Urban Runoff Management Programs. D-MAX represents the City of National City in the San Diego Bay WURMP Workgroup and has assisted the cities of La Mesa and National City in WURMP annual reporting for the San Diego River and San Diego Bay WURMPs. D-MAX has been listed as a primary author of the last seven San Diego Bay WURMP annual reports and the 2008 WURMP update. We have also completed special investigations as watershed water quality activities for the cities of San Diego, National City, and La Mesa.

Storm Water Compliance Inspections. Throughout the past several years, D-MAX has conducted more than 15,000 storm water compliance inspections of industrial, commercial, municipal, homeowners' association, treatment control BMP, and construction sites for 14 Copermittees in San Diego and Orange Counties. As part of the inspection process, watershed-based, prioritized facility inventories are developed, inspection forms are designed, and all inspection data is entered into GIS-compatible inspection databases. During the site inspections themselves, D-MAX confirms or updates the facility contact information, records the site's watershed, ensures the facility is prioritized accurately, provides public education about storm water quality issues and downstream receiving water bodies, distributes educational materials, and evaluates the effectiveness of existing BMPs and recommends additional BMPs as needed. Our experience with storm water compliance inspections has provided us with an in-depth understanding of potential sources of various pollutants and appropriate BMPs necessary to prevent polluted discharges.

City of Santee Forester Creek Improvement Project Water Quality Monitoring. The City of Santee received a Proposition 13 Grant to help fund its Forester Creek Improvement Project. The project included creek restoration and flood control components, including widening and revegetating the creek channel. To help fulfill associated grant requirements, D-MAX prepared a sampling plan, a Quality Assurance Project Plan, a 2005 Annual Monitoring Report, and a Project Assessment and Evaluation Plan. We also conducted water quality monitoring at three sites in the creek on a monthly basis for more than three and a half years. This monitoring

included a specially designed trash assessment to meet RWQCB requirements and a TDS component analysis to help the City gather more information about potential causes of the chronically elevated TDS readings in the creek. At the end of the project a final report assessing the results of the monitoring was prepared.

La Mesa Wet Weather and Additional Monitoring. D-MAX has conducted several special monitoring programs for the City of La Mesa, including wet weather monitoring to help the City gain additional data about constituents associated with Total Maximum Daily Load (TMDL) requirements for Chollas Creek and the San Diego River. The monitoring included collecting composite samples over the course of a storm at strategic locations throughout the city during rain events. D-MAX has also conducted a study on La Mesa's creeks and channels to evaluate the quality of urban runoff leaving the City of La Mesa and a study of the spring located in La Mesa's Collier Park to determine beneficial uses.

San Diego River Water Quality Monitoring Study. As part of an overall San Diego River Watershed bacteria study being conducted by the City of San Diego, D-MAX is collecting dry and wet weather samples from targeted locations on behalf of the cities of Santee and El Cajon within those cities' jurisdictions. The program involves flow-weighted sampling at one location in each City, developing rating curves to estimate flow for the wet weather monitoring, ambient monitoring in major receiving water bodies in the cities, and dry weather monitoring and visual surveys targeted at irrigation runoff in residential areas.

City of San Marcos Old California Restaurant Row Center. The objectives of this study was to identify the sources of odor and polluted water discharging into the storm water system from the Old California Restaurant Row area and provide recommendations to enhance the quality of the non-storm water draining into the city's storm drain system. This investigation included tracing flow at the outfall upstream to identify the sources of flow, collecting flow samples and testing for several constituents to identify pollutants, conducting dye and smoke tests to identify downstream and upstream connections, and conducting visual inspections and videotaping to identify the sources of extra flow. General and site specific recommendations included preparation of public education materials, engineering plans to eliminate illicit connections and best management practices to be implemented at the site.

Storm Water Education and Training. During the past several years, D-MAX has assisted several cities by:

- Developing brochures, calendars, and other educational materials for several cities. An example is the City of National City's annual storm water education calendar, which in 2010 features artwork from National City's schoolchildren. D-MAX worked with City staff and school district staff to coordinate an art contest open to all third graders in the City of National City. Students submitted drawings with a theme of protecting the City's waterways through keeping the community clean, and the winners' drawings were included as the art in the calendar.
- Conducting training seminars for municipal employees including engineering, public works, and land-use planning staff. We have also conducted presentations for private industry. Topics have included SUSMP implementation, construction BMPs and State General Construction Permit requirements, industrial and commercial BMPs and State General Industrial Permit requirements, BMPs for public works activities, and general overviews of storm water issues.

REFERENCES

The performance of D-MAX on storm water related projects in particular, can be verified by contacting our clients. The following individuals, who have used our company for similar projects, will attest to our business reputation, quality of services, and project management skills.

Name	Agency	Telephone Number	Projects	Amount of Most Recent Dry Weather Contract
Mr. Khosro Aminpour	City of Chula Vista	(619) 397-6111	2000-2009 Dry Weather Monitoring Programs, JURMP Development	\$50,000
Mr. Jaime Campos	City of El Cajon	(619) 441-5554	2002-2009 Dry Weather Monitoring Programs, Special Studies, JURMP Development, Compliance Inspections	\$36,600
Mr. Din Daneshfar	City of National City	(619) 336-4380	1996-2009 Dry Weather Monitoring Programs, Complete Storm Water Services 2004-2009; JURMP Revision, Compliance Inspections, SUSMP Review	\$38,000
Mr. Steven DiDonna	County of San Diego	(858) 694-2332	2007-2009 Dry Weather Monitoring Programs	\$130,400
Mr. Paul Hartman	City of Vista	(760) 726-1340 ext. 1373	2002-2003, 2008-2009 Dry Weather Monitoring Programs, Additional Creek Monitoring Study, Compliance Inspections	\$36,300
Ms. Cora Long	City of Lemon Grove	(619) 825-3810	1998 – 2009 Dry Weather Monitoring Programs, Compliance Inspections	\$23,200
Ms. Elaine Lukey	City of Carlsbad	(760) 602-7582	1998-2009 Dry Weather Monitoring Programs, JURMP Development, Compliance Inspections	\$44,900
Ms. Helen Perry	City of Santee	(619) 258-4100 ext. 117	1996 – 2009 Dry Weather Monitoring Programs, JURMP Development, Annual Reporting, Forester Creek Monitoring, Compliance Inspections	\$74,900
Ms. Erica Ryan	City of San Marcos	(760) 744-1050 ext. 3218	2001-2009 Dry Weather Monitoring Programs, Upstream Investigations, Compliance Inspections	\$35,800
Mr. Hamed Hashemian	City of La Mesa	(619) 667-1153	1996 – 2009 Dry Weather Monitoring Programs, Special Studies, JURMP Development; Compliance Inspections, SUSMP Review	\$34,600

3. SCOPE OF SERVICES

D-MAX will provide all personnel, equipment, and materials necessary to conduct the Dry Weather Monitoring Program in compliance with the requirements of the federal NPDES program and the Municipal Permit. Field crews will include at least two people.

We propose the following actions and techniques to maximize the efficiency of the project:

- Use the IDEXX Colilert™ and Enterolert™ for follow-up investigations to reduce analytical costs and to be able to receive results within 24 hours of sample submittal.
- Our analytical laboratory will send a courier to pick up samples from our field crew in the City at no extra charge. This will maximize the amount of work our staff can complete each day in the field.
- We have developed a data management system that can programmatically convert data into the regionally standardized data sharing formats. We will use this system to ensure high quality and save time in the conversion process.
- Our staff has completed the last 13 Dry Weather Monitoring Programs for the City. Our experience and knowledge of the City's MS4 allows us to complete routine and follow-up monitoring in the shortest amount of time possible.

Our approach to completing each of the tasks in the RFP is presented below.

I. DRY WEATHER ANALYTICAL MONITORING AND FIELD SCREENING

The City of Poway is planning to conduct the 2010 Dry Weather Field Screening and Analytical Monitoring Program in accordance with the specifications outlined in the Municipal Permit. There are 50 primary dry weather monitoring sites throughout the City. The purpose of the program is to detect and eliminate illicit connections and illegal discharges to the City's storm drain system and to gain an overall understanding of dry weather flow conditions within the City. The goals of this project include finding and eliminating IC/IDs, characterizing dry weather flows, and protecting public health.

D-MAX will provide all personnel, equipment, and materials necessary to perform dry weather field screening in compliance with the requirements of the Municipal Permit. Dry weather sampling will be completed before July 1, 2010.

To perform the fieldwork efficiently, we propose to carry out the following tasks.

Task 1 – Selection of Field Screening Sites

All field screening will be conducted in accordance with the Municipal Permit. The City has identified 50 field screening stations where data will be collected during the dry weather monitoring program. The City has also identified 27 alternate stations that will be monitored if any of the primary stations exhibit no flow or ponded water. Samples will not be taken within 72 hours of a rain event or if local hydrologic conditions indicate that storm water flow is still flowing after a rain event.

Task 2. - Field Screening

Field screening includes two major components, which are detailed below.

Task 2-1. Visual Observations: Visual observations are critical to the success of the field screening and may be the best source of information for many site visits. At each site, the visual observations will be recorded. Visual observations include looking for evidence of dry weather flows such as staining, corrosion, sediment, surrounding vegetation, algae, mosquito larvae, insects, rodents and other animals in the vicinity of the outfall. At each site, a standard dry weather field screening data and observation sheet will be completed. If no flow is

witnessed, observations regarding the site will still be recorded. We will use the most recent field data sheet prepared by the Copermittee Dry Weather Monitoring Workgroup. Photographs of each outfall will also be taken.

Task 2-2. Field Analysis: The outfalls will be checked for the presence of water. If no flowing or ponded water is observed, visual observations will be recorded, and an alternate site with ponded or flowing water will be selected. Field methods will be employed to measure flow rate. Field meters or Chemetrics field test kits will be used to test for the following parameters:

- Specific conductance
- Temperature
- pH
- Turbidity
- Surfactants (MBAS)
- Nitrate-Nitrogen (NO₃-N)
- Ammonia-Nitrogen (NH₃-N)
- Orthophosphate-Phosphorus ("Reactive Phosphorus" in the Municipal Permit)

Task 3 - Analytical Monitoring

Water samples from at least 25 percent of the sites (13 sites) where ponded or flowing water is observed will be collected and submitted to EnviroMatrix Analytical, Inc. for analysis. Sampling and analysis will be conducted in accordance with 40 CFR part 136. Samples will be analyzed for the following constituents:

- Total Hardness
- Oil and Grease
- Diazinon and Chlorpyrifos
- Cadmium (Dissolved)
- Copper (Dissolved)
- Lead (Dissolved)
- Zinc (Dissolved)
- *Enterococcus* bacteria
- Total Coliform bacteria
- Fecal Coliform bacteria

Task 4 - Data Evaluation

Upon receipt from the lab, data will be reviewed to check for any potential errors and to ensure the results are reported properly. The collected data will then be evaluated to identify possible areas of non-storm water flows throughout the City, which includes assessment of both pollutant concentrations and of flow rates in the conveyances. Data both within the current year and over the past several years of historical data will be evaluated to assess potential sources of flow and of pollutants. For example, in past years, some pollutant exceedances have been traced to specific businesses, and other have been associated with groundwater. Considering the results of the evaluation in 2010, recommendations for future actions will be made.

Task 5 – Dry Weather Data Conversion

The County of San Diego has begun compiling all the dry weather monitoring data collected by the Copermittees into one regional database. The County is requiring that each City convert its dry weather monitoring data into a standard format so that it can be easily uploaded into the

regional database. The process involves converting the data from tables designed for ease of reading and reference to more duplicative tables that are designed to allow for more efficient data analysis using the regional database. D-MAX will perform this conversion process for the City.

Task 6 – Trash Assessment

We will complete a trash assessment at all 50 primary monitoring locations identified for dry weather monitoring and any alternate sites visited. The trash assessment will be performed in accordance with the protocol developed by Copermittee Dry Weather Monitoring Workgroup and Regional Monitoring Workgroup. The results of the assessment will be incorporated in the final report. We will also enter trash assessment results into the standard reporting template spreadsheet developed by the County of San Diego and provide a copy of that completed spreadsheet to the City.

Task 7 – Source Identification/Follow-Up investigations

Based on dry weather field screening and analytical results, follow-up investigations will likely be necessary to identify and eliminate pollutant sources. To determine whether a source investigation is necessary, the following three methods will be employed, as applicable: numeric action levels, California Toxics Rule, and best professional judgment, which are described below.

Numeric Action Levels

Numeric action levels are used as the primary approach for interpreting pH, reactive phosphorus, nitrate, ammonia, surfactants (MBAS), oil and grease, diazinon, chlorpyrifos, total coliform, fecal coliform, and *Enterococcus* analytical results. If any of these constituents exceed numeric action levels, then a source investigation is recommended to the City.

California Toxics Rule

The California Toxics Rule determines the action level for dissolved metals such as cadmium, copper, lead, and zinc. The California Toxics Rule provides benchmarks for the dissolved metals concentration based on the hardness of sampled water. If the laboratory analytical results exceed the action level, then a source investigation is recommended to the City.

Best Professional Judgment

Best professional judgment is utilized as the primary approach for conductivity, temperature, and turbidity. It is the secondary approach for interpreting the results of all other analyses. Best professional judgment may indicate that results exceed action levels may be the result of natural or background factors.

Follow-up visits will be made for sites where the results of the field test and laboratory analytical results exceed an action level. If field results exceed an action level, we will follow-up within two business days of recording the test results in the field. Due to the transient nature of illegal discharges, brief upstream investigations may be performed immediately upon identifying field exceedances to identify the source of flow. If the results of the laboratory samples exceed the action levels, we will conduct follow-up pollutant source investigations within two business days of receiving the analytical results. If at any time significant contamination is detected, the City will be notified to determine the appropriate course of action.

Each follow-up source investigation will include recording visual observations at the site; measuring physical parameters such as water flow, temperature, pH, and conductivity; and collecting water samples for analysis. Our field crew will also perform visual surveys of the area and storm water drainage system upstream of the site to determine potential sources of the pollutant(s) exceeding the action level.

For the bacteria source investigation program, a more stepwise approach to upstream investigations will be used. Samples for bacteria testing will be collected at the upstream locations with flowing and ponded water where there is a possibility of exposure to sources of bacteria. The collected samples will be sent to the laboratory to be tested using the Colilert and/or Enterolert methods, as applicable based on which group(s) of bacteria were measured above the action level. These methods provide faster turn-around time than the conventional multiple tube method. After receiving the lab results, depending on the bacteria results, further investigations may be required. In such cases we will contact City staff to determine the action to be taken.

Task 8 - Preparation of a Summary Report

At the conclusion of the program, a report will be prepared to summarize the observations and the results of the study. The report will include interpretation of the field and laboratory data and test results as to the possible presence of illicit connections/illegal discharges. The report will be organized to include an introduction, background, results, conclusions, recommendations, and quality assurance/quality control (QA/QC), as well as appendices for data sheets, selected site photographs and the results of laboratory analyses. A draft copy of the report will be prepared and delivered to the City for review. The City's comments on the draft report will be incorporated into the final report. Four (4) hard copies of the final report, two (2) bound and two (2) three hole punched, and two (2) electronic copies of the report will be delivered to the City, no later than August 30, 2010. One electronic copy will include the report as a pdf file, and one electronic copy will include the report text in MS Word format and the collected data in an MS Excel file. The data in the Excel file will be in the format required by the County of San Diego, as described in Task 5 above.

We will provide the City with all original data, records of dry weather screening, laboratory analyses, digital photographs, and certified copies of all calibration, quality assurance and maintenance records. We will keep copies of all records for a minimum period of five years

QA/QC PROGRAM

We will follow the QA/QC procedures found in the City's Dry Weather Monitoring Sampling Manual, which is found in Appendix E of the City's JURMP. The QA/QC procedures are designed to provide the ongoing control and evaluation of measurement data quality throughout the course of the Dry Weather Monitoring Program, the MS4 Outfall Monitoring Program, and any other special studies or investigations to be conducted by D-MAX for the City.

II. TARGETED MS4 OUTFALL MONITORING

The purpose of the MS4 Outfall Monitoring Program is to characterize pollutant discharges from MS4 outfalls, especially in light of receiving water quality. The work will be performed in accordance with the March 2009 Final Copermittee MS4 Outfall Monitoring Workplan (MS4 Workplan) and with the requirements of the Receiving Waters and Urban Runoff Monitoring and Reporting Program dictated in the Municipal Permit.

Completing targeted dry weather MS4 outfall monitoring for the City will include making one visit to the City's MS4 outfall monitoring sites between May 1 and August 1, 2010; collecting and submitting samples for analyses of the parameters the City has selected for those sites; entering data in the standard MS4 data template spreadsheet provided by the County of San Diego; and reporting the data to the City. The City's targeted dry weather MS4 monitoring sampling sites and the constituents to be analyzed at each are listed in the table below. All the targeted MS4 monitoring program sites will already be visited during the City's standard dry weather monitoring program. The monitoring required for both programs will be completed during the same visit for these sites, which reduces labor costs.

Only one of the six sites, Site 129, is a Dry Weather Monitoring Program laboratory analytical monitoring site. At this location, data collected for bacteria and pH as part of the Dry Weather Monitoring Program will be able to be used for MS4 outfall monitoring; this testing will not have to be repeated. The table below summarizes the sites and testing for the City's MS4 Outfall Monitoring Program.

City of Poway MS4 Monitoring Sites and Analytes

Site	Latitude	Longitude	Analytes
129	33.00705	-117.05055	Bacteria*, TDS, TSS, Total Nitrogen-N, Total Phosphorus-P, Manganese, pH*, Sulfates, Chloride
136	33.01853	-117.04646	Bacteria, TDS, TSS, Total Nitrogen-N, Total Phosphorus-P, Manganese, pH, Sulfates, Chloride
18A	32.96015	-117.03840	Bacteria, TDS, TSS, Total Nitrogen-N, Total Phosphorus-P
19	32.95502	-117.03398	Bacteria, TDS, TSS, Total Nitrogen-N, Total Phosphorus-P
21	32.95595	-117.02257	Bacteria, TDS, TSS, Total Nitrogen-N, Total Phosphorus-P
105	32.94860	-117.06208	Bacteria, TDS, TSS, Total Nitrogen-N, Total Phosphorus-P

* Analysis overlaps with testing done in Dry Weather Monitoring Program.

III. AS-NEEDED SERVICES

D-MAX has conducted BMP effectiveness monitoring, storm water compliance inspections, SWPPP preparation, special monitoring projects, and other as-needed tasks for the City in the past. Some of our more recent projects are described in the experience section of this proposal. Due to our extensive and varied experience in providing storm water services to the City of Poway and to many other jurisdictions in San Diego County, we are able to provide a wide range of storm water related services to meet the City's needs. Our staff's familiarity with the City will allow us to provide as-needed services in the most efficient manner possible. Since we have ample staff members working almost exclusively on storm water projects, we are able to complete as-needed projects on short notice if the situation requires that.

4. COST PROPOSAL

Our proposed costs for conducting the services proposed herein are included in a separate, sealed envelope per the requirements in the RFP.



ARSALAN DADKHAH

Education

Utah State University: Ph.D., Civil and Environmental Engineering (Hydrology and Water Resources), 1985

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

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

Registration

Civil Engineer: Utah 1985

Civil Engineer: California 1987

Civil Engineer: Arizona 1991

Professional History

D-MAX Engineering, Inc., 1996 - Present

Woodward-Clyde Consultants, 1987 - 1996

Montgomery Watson Consulting Engineers, Inc., 1984 - 1987

Tehran Regional Water Authority, 1969 - 1978

Representative Experience

Dr. Dadkhah has more than 30 years of Civil Engineering experience with an emphasis in water quality. He has managed a variety of storm water projects throughout southern California for the federal government, local municipalities, and private entities. While at D-MAX, Dr. Dadkhah has conducted many field investigations, sampling, and analysis projects simultaneously and has prepared storm water management programs for several municipalities. He has also been involved in storm water permitting projects and in preparing pollution prevention and monitoring plans for industrial facilities and construction sites to comply with NPDES Permit requirements. Throughout his career, he has consistently interfaced with California regulatory agencies and has developed a good working relationship with individual regulatory staff within the San Diego area. Recent projects include the following:

Dry Weather Monitoring Programs

Project Manager for more than 110 Dry Weather Monitoring Programs for the County of San Diego and the cities of Carlsbad, Chula Vista, El Cajon, La Mesa, Lemon Grove, National City, Poway, San Marcos, Santee, and Vista in San Diego County. Dr. Dadkhah has been involved with the regional Dry Weather Monitoring Workgroup since its inception and served as co-chair for several years.

City of Poway BMP Effectiveness Studies

Assisted the City of Poway in retrofitting flood control detention basins for use as regional treatment control BMPs for SUSMP compliance and monitoring inflow and outflow by means of wet weather composite sampling. Based on the results of the study, a paper was prepared and presented at the annual StormCon conference.

Jurisdictional Urban Runoff Management Program

Project manager for the development of JURMPs for cities of National City, La Mesa, Poway, Chula Vista, El Cajon, Oceanside, Santee, and Vista. These projects include updates to each sections of the JURMP based on the new requirements set forth in the new Municipal Permit (Order No. 2007-0001). Project Manager for developing Jurisdictional Urban Runoff Management Programs (JURMPs) for the Cities of El Cajon, La Mesa, Poway, Santee, National City and some sections of the JURMPs for both Carlsbad and San Marcos in 2002. Also managed development of Local Implementation Plans (similar to a JURMP) for the cities of La Habra and Mission Viejo.



MANOUCHEHR DADKHAH

Education

Utah State University, Ph.D., Watershed Science (Watershed Hydrology), 1979
Utah State University, M.S., Watershed Science (Soil and Water Conservation), 1975
University Of Shiraz, Iran, M.S., Agricultural Engineering, 1965

Professional Background

D-MAX Engineering, Inc., 1998- Present
Associate Professor at Tehran University, College Of Natural Resources, 1987 – 1998
Soil and Water Conservation Expert at Range and Forest Organization, 1967 – 1972

Representative Experience

Dr. Dadkhah is a Senior Environmental Scientist with more than 20 years of experience in environmental sampling, hydrology, erosion control, and watershed management. He is highly experienced in storm water projects including Dry Weather Monitoring Programs and special monitoring studies. Additionally, he has assisted in updating JURMPs for various jurisdictions based on requirements of the RWQCB Municipal Permit Order No. R9- 2007-0001 and conducted numerous Storm Water Quality Inspections. Relevant projects include:

Dry Weather Monitoring & Coastal and Lagoon Outfall Monitoring

Performing Dry Weather Monitoring Programs in the cities of Carlsbad, Chula Vista, National City, La Mesa, Lemon Grove, El Cajon, Santee, Poway, San Marcos, and Vista. Responsibilities included Dry Weather Sampling Plan, creating IC/ID detection and elimination approach, selecting dry weather sites, and leading field teams through field sampling and testing, trash assessments, and investigating upstream pollutant source investigations. He has also performed coastal and lagoon outfall monitoring for the City of Carlsbad.

Special Studies

Designing and performing special water quality monitoring projects for the cities of Carlsbad, La Mesa, San Marcos, Santee, and Poway. He has contributed to several additional studies of receiving water quality that are conducted concurrently with the Dry Weather Monitoring Program. Dr. Dadkhah performed sampling to assess the effectiveness of detention basins in the City of Poway, special investigations at Grossmont Shopping Center and Grossmont Hospital in La Mesa, and a special investigation of Old California Restaurant Row in San Marcos. He has also been involved in water quality monitoring for the Forester Creek Improvement Project in Santee, and he has managed the field sampling for an assessment of flow leaving the major drainage basins in the City of La Mesa.

Industrial Permit Compliance Services

Managing site inspection, field sampling, and data compilation for the Poway Municipal facility, Vehicle Maintenance Facility, Water Treatment Plant, and Material Handling Facility. He oversaw the sampling of authorized and unauthorized non-storm and storm water discharges. Dr. Dadkhah has prepared an Annual Comprehensive Site Compliance Evaluation and Annual Report to be submitted to the Regional Water Quality Control Board. He made onsite recommendations regarding BMP compliance of facilities and designed structural and non-structural BMPs for implementation at the sites.

Storm Water Quality Inspections

Conducted field inspections of construction, industrial, commercial, and municipal sites in various cities throughout San Diego County and La Habra in Orange County. Duties include assessing BMPs, interacting with and providing education to business owners, and developing recommendations for further action.



JOHN QUENZER

Education

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

Professional Background

D-MAX Engineering, Inc., 2004 to Present

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

Representative Experience

Mr. John Quenzer is a Project Scientist who has been involved in a variety of water quality projects in San Diego County. He has participated in and helped supervise Dry Weather Monitoring Programs for 11 San Diego County jurisdictions and wet weather monitoring efforts in four jurisdictions. Mr. Quenzer possesses extensive experience in data management, including database development; WURMP preparation; JURMP preparation and annual reporting, storm water compliance inspections, and storm water document review. He is a regular contributor to the San Diego Bay WURMP workgroup and has prepared a section of the annual report in each of the past several years. Relevant projects include the following.

Dry Weather Monitoring Programs

Conducting and supervising data analysis, data quality assurance, and report preparation and review. He has worked on the Dry Weather Monitoring Programs for the cities of Chula Vista, Carlsbad, El Cajon, San Marcos, Santee, Poway, National City, La Mesa, Lemon Grove, Vista, and County of San Diego. He is an active member of the Regional Monitoring Workgroup.

Additional Monitoring Programs and Special Studies

Preparing several reports for the City of Santee Forester Creek Improvement Project water quality monitoring, including a sampling plan, a Quality Assurance Project Plan, a Project Assessment and Evaluation Plan, and three Annual Monitoring Reports. These included sampling program design and QA/QC procedures, as well as analyses of collected data. Mr. Quenzer also helped design and evaluate results from special studies in the cities of Poway, La Mesa, and El Cajon.

Data Management

Designing databases and managing tasks for seven jurisdictions in San Diego County. He conducts quality control and quality assurance on water quality monitoring and compliance inspection data, including managing relevant databases. Mr. Quenzer redesigned industrial and commercial inspection databases to facilitate annual reporting. He developed and prioritized inventories of facilities based on business license listings submitted by municipalities. Mr. Quenzer has created databases tracking the receipt of inspection forms, inspection results, and most pertinent findings at each inspection. Has also developed data management systems for field sampling data, such as that collected in support of the Forester Creek Improvement Project in Santee, and developed the City of National City's SUSMP inspection database.

Project Coordinator, SUSMP Technical Reviews

Reviewing SUSMP project submittals for several jurisdictions in San Diego County, including the City of Poway. Technical reviews include consideration of hydrology, hydromodification modeling, water quality impacts, thorough analyses of proposed low impact development, source control BMP, and treatment control BMPs designs, in light of the anticipated pollutants generated and any downstream impairments to receiving waters. Recommendations and conclusions are provided to the jurisdiction at the conclusion of the review.



CRYSTAL GROVER

Education

University of California, San Diego, M.S., Biology, 2007

University of California, San Diego, B.S., Biology, 2005

Professional Background

D-MAX Engineering, Inc., 2007 to present

Representative Experience

Ms. Grover's manages monitoring and inspection data for three cities and has conducted Dry Weather Monitoring Programs for nine jurisdictions in San Diego County. She coordinates construction, industrial, and commercial inspections for the City of National City. Her recent projects include:

Dry Weather Monitoring Programs

Performing Dry Weather Monitoring Programs for the cities of Chula Vista, El Cajon, La Mesa, Lemon Grove, National City, Poway, San Marcos, Santee, and the County of San Diego, for many of which she has acted as team lead. Duties included recording visual observations, trash assessments, sampling, field analytical testing, and performing upstream investigations. Ms. Grover has also prepared the dry weather monitoring reports for the jurisdictions with which she was involved, including preparation of figures in GIS.

Additional Monitoring

Conducting wet weather monitoring programs in the cities of Poway and La Mesa. Ms. Grover has performed additional monitoring studies such as the Forester Creek Improvement Project in the City of Santee, Buena Vista Creek in the City of Vista, and elevated nitrate levels in the cities of Vista and San Marcos.

Data Management and Geographic Information System (GIS)

Developing a program to automatically transfer dry weather monitoring data into the County's data sharing format. She has developed databases to store and analyze monitoring data and inspection data. For example, the City of La Mesa's wet weather monitoring database uses collected data to calculate constituent load estimates based on constituent concentration and the depth of the rain event. Ms. Grover has also produced GIS maps for various monitoring programs, reports, and presentations for use both in GIS programs and in Google™ Earth.

Preparation of JURMPs, Annual Reports, and other Documents

Preparing sections of the JURMP Annual Report for the cities of La Mesa, Poway, and Santee. Ms. Grover has written and updated construction and industrial SWPPPs for Poway municipal projects. She reviews SUSMP and construction SWPPP reports for jurisdictions in San Diego County and provides recommendations to cities at the conclusion of these reviews.

Storm Water Quality Inspections

Conducting construction, industrial, commercial, and treatment control BMP inspections in various cities throughout San Diego County. She has also conducted numerous complaint and follow-up field inspections in these jurisdictions.

D-MAX Engineering, Inc.

Consultants in Water & Environmental Sciences



May 12, 2010

Mr. Malik Tamimi
Stormwater Program Administrator
City of Poway
Development Services Department
13325 Civic Center Drive
Poway, California 92064

**Re: Cost Estimate for Performing Storm Water Services
City of Poway, California**

Dear Mr. Tamimi:

Our proposed costs to complete the scope of services described in our proposal are as follows:

- I. 2009/2010 JURMP Annual Report. We will perform this task on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed the amount below.

Time and materials (not to exceed \$23,980)

A spreadsheet cost breakdown for JURMP Annual Report preparation is attached for reference.

- II. Performing As-Needed Services. Since the scope of services for this task is not fully known at the time, we propose to conduct this task on a time and material basis in accordance with the attached Schedule of Fees.

Time and materials

D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Principal



SCHEDULE OF FEES

January 1, 2010

This Schedule of Fees will be adjusted periodically. The new fee schedule will apply to all existing and new work.

LABOR

<u>Classification</u>	<u>Hourly Rate</u>
Clerk*	\$ 50
Word Processor*	55
Drafter*	65
Technician*	65
Senior Technician*	75
Staff Scientist/Engineer	85
Assistant Project Scientist/Engineer	95
Project Scientist/Engineer	110
Senior Scientist/Engineer	120
Principal Scientist/Engineer	140

OTHER CHARGES

Subcontracted services, such as sub consultants, outside testing, drilling, and surveyors, will be charged at cost plus 15%. 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 15%. Mileage will be charged at a rate of \$0.57 per mile.

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

* Overtime (in excess of 8 hours per day) and weekend hours will be charged at 1.5 times the above rates for non-exempt personnel.

Field and hourly services will be charged portal to portal from our office, with a two-hour minimum.

Appearance as expert witnesses at court trials, mediation, arbitration hearings and depositions will be charged at \$200/hour. Time spent preparing for such appearances will be charged at the above standard hourly rates.

Poway 2009/2010 JURMP Annual Report

TASKS	Project Manager	Project Scientist	Asst Project Scientist	Word Processor	ODC*	Total
	Rates (\$/hr)					
	\$ 140.00	\$ 110.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Respond to RWQCB 2008/09 AR Comments						
Review Information, Edit Report Contents As Needed		3				\$330
					Subtotal	\$330
2) Coordinate Information Transfer with City						
Planning/Develop List of Questions	1	1	2			\$440
Contact City Personnel		4	14		\$35	\$1,805
Organize Information, Follow-up as Needed	2	6	14			\$2,270
					Subtotal	\$4,515
3) Prepare JURMP Annual Report						
Executive Summary		3				\$330
Introduction		1.5				\$165
New Development/Redevelopment	1	4	14			\$1,910
Construction	1	3	14			\$1,800
Municipal	1	2	16			\$1,880
Industrial/Commercial	1	3	14			\$1,800
Residential		1	7			\$775
IDDE	1	2	12			\$1,500
Education		2	10			\$1,170
Public Participation		1	4			\$490
Fiscal Analysis		1.5	2			\$355
Analysis of Program Effectiveness	2	14	6			\$2,390
Conclusions			0.5			\$48
Address Comments from City	3	12	8			\$2,500
Report Reproduction and Delivery (Draft & Final)		2	8	18	\$52	\$2,022
					Subtotal	\$19,135
Totals	13	66	145.5	18	Grand Total	\$23,980

*ODC includes mileage and materials purchased for report reproduction.

Poway 2010/2011 JURMP Annual Report

TASKS	Principal Engineer	Senior Scientist	Asst Project Scientist	Staff Sci. II	Staff Sci. I	ODC*	Total
	\$140	\$120	\$100	\$92	\$85		
			Rates (\$/hr)				
			HOURS				
1) Respond to RWQCB 2009/10 AR Comments							
Review Information, Edit Report Contents As Needed		3					\$360
						Subtotal	\$360
2) Coordinate Information Transfer with City							
Revise List of Questions Based on 2010 Answers		1	3				\$420
Contact City Personnel		4	14			\$30	\$1,910
Organize Information, Follow-up as Needed	1	4	17				\$2,320
						Subtotal	\$4,650
3) Prepare JURMP Annual Report							
Executive Summary		1	2.5				\$370
Introduction		1.5					\$180
New Development/Redevelopment	1	4	14				\$2,020
Construction	1	3	14				\$1,900
Municipal	1	2	16				\$1,980
Industrial/Commercial	1	3	14				\$1,900
Residential			2	6			\$752
IDDE	1	2	12				\$1,580
Education			2	10			\$1,120
Public Participation			1	4			\$468
Fiscal Analysis		1.5	2				\$380
Analysis of Program Effectiveness	2	6	14				\$2,400
Conclusions			0.5				\$50
Address Comments from City	1	8	14				\$2,500
Report Reproduction and Delivery (Draft & Final)		1	4		10		\$1,370
						Subtotal	\$18,970
Totals	9	45	146	20	10	Grand Total	\$23,980

*ODC includes mileage and materials purchased for report reproduction.

March 30, 2011
Project No. 201115W

Mr. Malik Tamimi
Stormwater Program Administrator
City of Poway
Development Services Department
13325 Civic Center Drive
Poway, California 92064

Re: Proposal to Prepare FY 2010/2011 JURMP Annual Report for the City of Poway

Dear Mr. Tamimi:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Poway in the preparation of the fiscal year 2010/2011 JURMP Annual Report. Work will be conducted in accordance with the requirements of RWQCB Order No. R9-2007-0001 (Municipal Permit). The annual report will cover the reporting period of July 1, 2010 through June 30, 2011. Our scope of services associated with this project includes the following tasks:

SCOPE OF SERVICES

Task 1: Review and Incorporate RWQCB Comments from 2009/2010 JURMP Annual Report

D-MAX will review RWQCB comments on the 2009/2010 JURMP Annual Report and the City's storm water program and update the format and/or content of the 2010/2011 JURMP Annual Report as applicable.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during the 2010/2011 fiscal year. We have prepared standard lists of questions and contacted City staff to obtain similar information in 2009/2010, which should help speed up the process for the 2010/2011 report. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer, especially in light of the aggressive timeline for submittal of the draft JURMP Annual Report. We will need to receive the information necessary to prepare the report by mid July 2011, so if possible it would be advisable to begin coordinating with City staff prior to July 1, 2011. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3.

Task 3: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

Sections

Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.



Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, a reference to any RWQCB comments on the City's 2009/2010 JURMP Annual Report (if applicable, the response will be included as an attachment), and a summary list of key achievements.

Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's SUSMP; treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- A listing of the priority development projects that were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
- An updated treatment control BMP inventory.
- The number of treatment control BMPs inspected, including a summary of inspection results and findings.
- A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
- Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
- A listing of any projects which received a SUSMP waiver.
- A description of implementation of any SUSMP waiver mitigation program.
- A description of Hydromodification Management Plan (HMP) development collaboration and participation.
- A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
- A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
- A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
- The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.

Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season,



the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.

- Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
- A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.

Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
- Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
- Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
- Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
- Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
- Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2010/2011.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.



Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
- A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermitees.
- A list of inspections conducted during the fiscal year, including inspection findings.
- The City's current inventories of industrial and commercial businesses.

Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
- A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
- Identification of high priority residential areas and BMPs or other actions taken to mitigate potential pollutant discharges from those areas in particular.

Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
- A list of complaints and hotline calls received and how they were resolved.
- A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.

Education: will include descriptions of various educational efforts by the City. The Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.

- A description of education efforts conducted for each target community.
- Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and "allowable" behaviors and discharges.
- A list of educational materials distributed, including numbers as available.



Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program. This section will include descriptions of public participation activities the City has sponsored or participated in, such as cleanup events and partnerships with local environmental groups.

Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. A new fiscal analysis framework has been developed by the Copermittees, and it will need to be implemented for the 2010/2011 JURMP Annual Report. Adapting the City's financial information to the new format will require developing a different structure for the section. We expect that City staff will provide financial information in categories that match the categories required by the new standard guidance for fiscal reporting.

Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.

Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.

Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.

Task 4: Report Preparation: Draft

We will one (1) electronic copy of the draft JURMP Annual Report and attachments for City review. The electronic copy will include sections of the report in MS Word documents. These documents will be provided to the City no later than August 15, 2011.

Task 5: Responding to City Comments on the Draft Report

We will incorporate two rounds of comments on the draft report from City staff into the final report.

Task 6: Report Preparation: Final

D-MAX will prepare and deliver four (4) electronic copies of the final JURMP Annual Report and attachments to the City. Due to changes in RWQCB requirements, no hard copies are required for this year's submittal. We will convert all electronic files, including attachments and the certification statement, to pdf format and merge them into a single pdf document to meet RWQCB paperless office requirements. The final report will be submitted to the City no later than September 12, 2011.



SUMMARY AND COST

In recent years when assisting the City by preparing the JURMP Annual Report we have routinely done additional work beyond our budget limit without charging the City for the difference. Nonetheless, we are keeping the cost for this year's project at the same level as last year's since this year we will not be required to submit hard copies of the JURMP Annual Report. We will perform all work on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed a total of \$23,980. A spreadsheet cost breakdown for JURMP Annual Report preparation is attached for reference.

Please feel free to contact us if you have any questions regarding this proposal.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

Poway 2011/2012 JURMP Annual Report

TASKS	Principal Engineer	Senior Scientist	Asst Project Scientist	Staff Sci. II	Staff Sci. I	ODC*	Total
	\$140	\$120	\$100	\$92	\$85		
	Rates (\$/hr)						
	HOURS						
1) Respond to 2010/11 AR Comments							
Review Information, Edit Report Contents As Needed		3					\$360
						Subtotal	\$360
2) Coordinate Information Transfer with City							
Revise List of Questions Based on 2011 Answers		1	3				\$420
Contact City Personnel		4	14			\$30	\$1,910
Organize Information, Follow-up as Needed	1	4	17				\$2,320
						Subtotal	\$4,650
3) Prepare JURMP Annual Report							
Executive Summary		1	2.5				\$370
Introduction		1.5					\$180
New Development/Redevelopment	1	4	14				\$2,020
Construction	1	3	14				\$1,900
Municipal	1	2	16				\$1,980
Industrial/Commercial	1	3	14				\$1,900
Residential			2	6			\$752
IDDE	1	2	12				\$1,580
Education			2	10			\$1,120
Public Participation			1	4			\$468
Fiscal Analysis		1.5	2				\$380
Analysis of Program Effectiveness	2	6	14				\$2,400
Conclusions			0.5				\$50
Address Comments from City	1	8	14				\$2,500
Report Reproduction and Delivery (Draft & Final)		1	4		10		\$1,370
						Subtotal	\$18,970
Totals	9	45	146	20	10	Grand Total	\$23,980

*ODC includes mileage and materials purchased for report reproduction.



July 16, 2012
Project No. 201235W

Mr. Roger Morrison
City of Poway
Development Services Department
13325 Civic Center Drive
Poway, California 92064

Re: Proposal to Prepare FY 2011/2012 JURMP Annual Report for the City of Poway

Dear Mr. Morrison:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Poway in the preparation of the fiscal year 2011/2012 JURMP Annual Report. Work will be conducted in accordance with the requirements of RWQCB Order No. R9-2007-0001 (Municipal Permit). The annual report will cover the reporting period of July 1, 2011 through June 30, 2012. Our scope of services associated with this project includes the following tasks:

SCOPE OF SERVICES

Task 1: Review and Incorporate Comments from 2010/2011 JURMP Annual Report

D-MAX will review comments from the RWQCB or environmental groups on the 2010/2011 JURMP Annual Report and the City's storm water program and update the format and/or content of the 2011/2012 JURMP Annual Report as applicable.

Task 2: Coordinate Information Transfer with City Personnel

We will contact several City departments to acquire information regarding the program implementation and special activities carried out during the 2011/2012 fiscal year. We have prepared standard lists of questions and contacted City staff to obtain similar information in 2009/2010, which should help speed up the process for the 2011/2012 report. Assistance from City storm water staff may be necessary in determining who should be contacted and facilitating information transfer, especially in light of the aggressive timeline for submittal of the draft JURMP Annual Report. We will stay in contact with the applicable City staff after the initial questions are supplied to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 3.

Task 3: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

Sections

Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.

Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, a reference to any RWQCB or environmental group comments on the City's 2010/2011 JURMP Annual Report (if applicable, the response will be included as an attachment), and a summary list of key achievements.



Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's SUSMP; treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.

- A listing of the priority development projects that were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
- An updated treatment control BMP inventory.
- The number of treatment control BMPs inspected, including a summary of inspection results and findings.
- A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
- Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
- A listing of any projects which received a SUSMP waiver.
- A description of implementation of any SUSMP waiver mitigation program.
- A description of Hydromodification Management Plan (HMP) development collaboration and participation.
- A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
- A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
- A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
- The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.

Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.

- For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.



- Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
- A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.

Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.

- A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
- Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
- Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
- Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
- Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
- Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2011/2012.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.



Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.

- A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
- A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermittees.
- A list of inspections conducted during the fiscal year, including inspection findings.
- The City's current inventories of industrial and commercial businesses.

Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.

- A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
- A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
- Identification of high priority residential areas and BMPs or other actions taken to mitigate potential pollutant discharges from those areas in particular.

Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.

- A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
- A list of complaints and hotline calls received and how they were resolved.
- A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.

Education: will include descriptions of various educational efforts by the City. The Municipal Permit emphasizes presenting educational efforts categorized by type of target audience. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.

- A description of education efforts conducted for each target community.
- Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and "allowable" behaviors and discharges.
- A list of educational materials distributed, including numbers as available.

Public Participation: will include a description of the City's efforts to involve the public in the development and implementation of its storm water program. This section will include



descriptions of public participation activities the City has sponsored or participated in, such as cleanup events and partnerships with local environmental groups.

Fiscal Analysis: will include a summary of the funding sources for the City's storm water program and budget line items. We expect that City staff will provide financial information in categories that match the categories required by the new standard guidance for fiscal reporting.

Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.

Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.

Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.

Task 4: Report Preparation: Draft

We will one (1) electronic copy of the draft JURMP Annual Report and attachments for City review. The electronic copy will include sections of the report in MS Word documents. These documents will be provided to the City no later than August 15, 2012.

Task 5: Responding to City Comments on the Draft Report

We will incorporate two rounds of comments on the draft report from City staff into the final report.

Task 6: Report Preparation: Final

D-MAX will prepare and deliver four (4) electronic copies of the final JURMP Annual Report and attachments to the City. Due to changes in RWQCB requirements, no hard copies are required for this year's submittal. We will convert all electronic files, including attachments and the certification statement, to pdf format and merge them into a single pdf document to meet RWQCB paperless office requirements. The final report will be submitted to the City no later than September 12, 2012.

SUMMARY AND COST

We will perform all work described above on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed a total of \$23,980. A spreadsheet cost breakdown for JURMP Annual Report preparation is attached for reference.

Please feel free to contact us if you have any questions regarding this proposal.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

February 9, 2007

Ms. Helen M. Perry
Stormwater Program Manager
City of Santee
Department of Development Services
10601 Magnolia Avenue
Santee, CA 92107-1266

**Re: Preparation of a Revised Jurisdictional Urban Runoff Management Program
Santee, California**

Dear Ms. Perry,

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Santee (City) in preparing a revised Jurisdictional Urban Runoff Management Program (JURMP). The San Diego Regional Water Quality Control Board (RWQCB) recently issued Order No. R9-2007-0001 (Municipal Permit), a municipal National Pollutant Discharge Elimination System (NPDES) permit issued to jurisdictions in the San Diego region. This new Municipal Permit replaces the old permit, RWQCB Order No. 2001-01, and the new Municipal Permit requires cities to significantly revise their JURMPs.

The revised JURMP will lay out the City's plans for the NPDES program over the next five year permit cycle. We propose to assist the City in preparation of a revised JURMP to meet new Municipal Permit requirements. We have been contacted by several cities for assistance with JURMP revisions. Because some portions of the JURMP are relatively similar across different cities, we have been able to reduce our cost to the City of Santee for services related to JURMP preparation. Our scope of services is described in more detail below.

Scope of Services

The new Municipal Permit includes a number of requirements that must be addressed in the revised JURMP. The items we propose to provide, organized in accordance with the sections of the existing JURMP, are listed below. Items which we assume other parties will complete are *italicized*.

Section 1 (Introduction)

- An update of the JURMP regulatory background, including information about the new Permit.
- Updates of land use information, MS4 information, drainage basin information (if necessary), list of 303(d) listed water bodies and associated impairments, list of Environmentally Sensitive Areas (ESA), and associated maps/figures.
- An update of discharge prohibitions and associated BMPs.
- *We assume the City will make any necessary updates to its grading ordinance, storm water ordinances, and any other relevant city ordinances.*

Section 2 (Municipal)

- An updated list of pollution prevention measures.
- An updated municipal facilities inventory
 - Coordination with various City departments to gather and verify information.
 - Updates to any outdated portions of the narrative descriptions of the sites.
 - Addition of new sites, deletion of sites no longer present.
 - An inventory of municipal activities that are not confined to a single facility location (e.g., power washing, street repair, etc.)
 - Inclusion of new facility and activity types, such as flood management projects and flood control devices to the inventory.
 - Types of pollutants potentially generated by each facility or activity.
 - Updated prioritization procedures and flow chart.
- An updated list of BMPs for municipal areas and activities, including updates to JURMP Appendix C.
- A description of the City's plan to assess the feasibility of retrofitting existing flood control devices for use as BMPs.
- A list of BMPs for new activities and sites, including power washing.
- A description of the City's approach to trash and litter control for special events.
- A description of how the City plans to satisfy new requirements for MS4 inspections and cleaning, including BMPs for MS4 cleaning and maintenance.
- A description of how the City plans to prevent and eliminate infiltration of seepage from sanitary sewer to MS4.
- A description of how the City plans to satisfy the new street sweeping requirements.
- A description of the City's BMPs to minimize pollution from herbicides, pesticides, and fertilizers.
- A description of the City's enforcement mechanisms and enforcement procedures for municipal activities and facilities.

Section 3 and Section 4 (Industrial/Commercial)

- The new Municipal Permit calls for one section (Industrial/Commercial) rather than separate industrial and commercial sections, so the industrial and commercial sections of the JURMP will be combined.
- Updated industrial and commercial inventories. *We assume the City will provide us with an electronic spreadsheet of businesses in the City, including at minimum business name, business address, and business Standard Industrial Classification (SIC) code.*
 - New facility types, such as building material retailers and animal facilities.
 - Types of pollutants potentially generated by each facility.
 - Approach to identifying mobile businesses.
 - Update to prioritization procedures and flow chart.
 - A reprioritization of facilities according to the new prioritization procedures. There are no longer any "mandatory" high priority facilities, so procedures to make distinctions based more directly on threat to water quality must be created.
- A description of the City's plan for notifying all businesses of new BMP requirements.
- Updated BMP requirements, including updates to BMPs in JURMP Appendix C.
- A description of which sites the City will inspect in the first year of implementation and how those sites were selected for inspection.

- A description of what process the City will use in future years to determine which sites should be inspected.
- An updated inspection form.
- An updated description of inspection procedure.
- Updated inspection frequencies for industrial and commercial sites.
- A description of how the City plans to report of industrial non-filers to the RWQCB.
- A description of the City's enforcement mechanisms and enforcement procedures for the industrial/commercial component.
- Incorporation of a mobile business regulation program jointly developed by the Copermittees. *We assume that a regional workgroup will develop guidelines for mobile business regulation programs, which will include the following topics.*
 - *BMP requirements.*
 - *Enforcement procedures.*
 - *Education and outreach, including notification of BMP standards.*
 - *Procedure for inspections.*

Section 5 (Residential)

- An updated list of high priority residential areas.
- An updated list of pollution prevention methods and a description of what steps will be taken to encourage their implementation.
- Updated BMP requirements for residential areas and activities.
- A description of what steps will be taken to require the BMPs and how the City will verify their implementation.
- A description of efforts to evaluate potential approaches for oversight of residential areas.
- An updated discussion of methods to facilitate proper disposal of household hazardous waste (HHW).
- A description of the City's enforcement mechanisms and enforcement procedures for the residential component.

Section 6 (Development Planning)

- A description of the City's approach to notify projects that have already begun initial stages of development planning of the upcoming changes to SUSMP requirements.
- A description of the storm water related provisions of the City's General Plan.
- A description of the development review process, including identification of departmental responsibilities for SUSMP implementation.
- A description of the treatment control BMP database that will be developed.
- A watershed-based inventory of treatment control BMPs. *We assume the City will provide use with a list of SUSMP projects approved to date and that the list will include at minimum the project name, project address, and the treatment control BMPs proposed for the site.*
- A description of the City's plan to verify operation and maintenance of treatment control BMPs.
 - Prioritization criteria for treatment control BMPs.
 - An inspection program for treatment control BMPs.
 - Steps through which the responsible parties for the BMPs will annually certify effective operation and maintenance.
- A description of how the City will verify that the BMPs proposed in the SUSMP have been implemented appropriately prior to occupancy of the development project.

- A description of the City's enforcement mechanisms and enforcement procedures for development projects.
- *We assume that hydromodification management planning, including interim hydromodification standards; LID BMP design guidelines; and SUSMP updates will be undertaken jointly by the Copermitees. These are not included in this scope of services.*
- *We assume the City will make any necessary updates to its General Plan and its Environmental Review Process.*

Section 7 (Construction)

- Updated BMP requirements, including updating the BMP fact sheets in JURMP Appendix C to match current California Storm Water Quality Association (CASQA) guidelines. The most recent CASQA fact sheets use standard units instead of metric units in the fact sheet figures and text.
- Describe the City's policy regarding the maximum area that may be disturbed at one time.
- A description of how the City will ensure its construction site inventory is updated on at least a monthly basis.
- Revised construction site prioritization procedures and new corresponding flow chart.
- A watershed-based construction site inventory.
- Updated construction site inspection procedures.
- Revised construction site inspection frequencies.
- A description of the procedure that will be used to ensure sites will be inspected at at least the minimum required frequency.
- A description of the City's approach to notifying the RWQCB when a stop work order or other "high level enforcement" is issued to a construction site for storm water violations.
- A description of the City's enforcement mechanisms and enforcement procedures for construction activities.
- *We assume requirements and guidelines related to the use of advanced treatment for construction sites will be developed regionally by Copermitee workgroups.*

Section 8 (Illicit Discharge Detection and Elimination)

- A description of how the City will involve municipal staff in identifying and reporting illicit connections and illegal discharges (IC/ID).
- An update map of MS4 and drainage basins. *We assume the City will provide us with electronic files (Autocad or GIS compatible) for the City's current MS4 and drainage basins.*
- A description of how inaccuracies in the MS4 map will be identified by field staff.
- A review of Dry Weather Monitoring Program sites locations as described in section B.3.a of the Receiving Waters Monitoring and Reporting Program portion of the Municipal Permit. This will include an assessment of whether laboratory analyses should be conducted at sites where they are not currently done, whether any existing sites should be relocated, and whether any new sites are necessary.
- Describe procedures for Dry Weather Monitoring Program as specified in section B.3.c and B.3.d of the Receiving Waters Monitoring and Reporting Program. Note that the Municipal Permit refers to sections B.1 through B.4 here, which is likely a typo. B.4 does not exist, and B.1 and B.2 refer to MS4 outfall monitoring and source identification monitoring, which are two new programs that will need to be

developed. *Development of MS4 outfall monitoring and source identification monitoring programs will likely be done largely through regional Copermittee efforts and is not included in the JURMP scope of work.*

- A description of procedure for investigating action level exceedances within two business day. Provisions for defining when an immediate investigation will be conducted and when no investigation at all may be necessary will be included.
- A description of the approach for responding to identified IC/IDs. The approach will include a method for distinguishing between IC/IDs that are an immediate threat to public health or the environment and those that are not. Guidelines for timelines in responding to the IC/IDs will also be included.
- A description of the City's approach to eliminate identified IC/IDs.
- A description of the City's program through which sewage spills from private laterals and failing septic systems will be reported to the City.
- A description of the approach to responding to the above spills and preventing them from entering the MS4 or contaminating soil or groundwater. This may require interdepartmental coordination.
- Updated discussions of other spill prevention and mitigation procedures.
- A description of how the City will encourage and facilitate reporting of spills and IC/IDs.
- A description of relevant enforcement mechanisms and procedures.

Section 9 (Education)

- A list of targeted audiences.
- Updated list of topics that should be covered for each targeted audience.
- A description of how development planning training will be updated to include specific topics from the Municipal Permit.
- A description of how municipal staff training will be updated to include information about plan review practices, current BMP technologies, and SUSMP requirements.
- A description of the City's program for annual training of staff who conduct industrial/commercial inspections. The program should include protocol for review of monitoring data.
- A description of potential options for educating residential, general public, and school children.
- A description of the City's approach to specifically identify and provide education for or related to the items or groups listed below. Mobile sources and various ethnic and socioeconomic groups should be considered in these programs.
 - Underserved audiences
 - High risk behaviors
 - Allowable behaviors or discharges that still have the potential to negatively impact water quality
- A description of the approximate frequency, content, and form of education to be provided to each of the various target audiences.

Section 10 (Public Participation)

- An updated description of mechanisms for encouraging public participation.
- A description of steps the City has taken to involve the public in the development of the JURMP.
- An updated list of public participation programs.

Section 11 (Effectiveness Assessment)

- A description of the steps that will be taken each year to assess the effectiveness of program implementation.
- Identification of targeted outcomes for items in categories (a), (b), and (c) below.
 - (a) Each significant jurisdictional activity or BMP to be implemented
 - (b) Implementation of each major component of the JURMP
 - (c) JURMP implementation, taken as a whole
- Identification of which of the outcome levels (1-6) developed by the Copermittees apply to each of items in categories (a), (b), and (c). This will require an evaluation of existing program data and data collection methods.
- An explanation of why any of the outcome levels (1-6) believed to not be applicable to or feasible for items in categories (a), (b), or (c) are not applicable or feasible.
- A discussion of how monitoring data will be used in the effectiveness assessment of items in categories (a), (b), or (c).
- A description of what steps will be taken to improve the City's ability to assess the effectiveness of its program, including a timeline for implementation of those steps. Targeted outcomes, assessment measures, assessment methods, and outcome levels 1-6 will be included in the discussion.
- A description of how annual effectiveness assessment results will be used to guide program implementation in future years.

Section 12 (Fiscal Analysis)

- Incorporation of regionally developed standards for fiscal analysis. *We assume that regional workgroups will develop the content for the revised fiscal analysis section.*

Section 13 (Fire Fighting)

- The fire fighting component will be moved to the Municipal Section of the JURMP.

Section Summarizing JURMP Modifications

- Section J.1.a.(3).(m) of the new Municipal Permit requires that a list of the changes made to the JURMP to comply with the new Permit and where they are located in the JURMP be submitted with the revised JURMP. This list will be prepared and included with the revised JURMP.

Coordination Meetings with the City

- This includes two D-MAX staff members each attending two meetings with City staff for discussing JURMP content.

Report Preparation (Draft)

- This includes formatting, overall review, printing and organizing the report and its various appendices, and direct costs such as paper, printing, and binding materials. One draft copy of the JURMP and its appendices will be produced for City review.

Report Preparation (Final)

- This includes responding to City comments, final review and formatting, printing and organizing the report and its various appendices, and direct costs such as paper, printing, and binding materials. Each final JURMP submitted will include a copy of the main JURMP document and a copy of each of the two separate volumes of appendices, including BMPs. Three final copies of the JURMP and its appendices will be produced and delivered to the City.



Estimated Costs

Our proposed costs for the above scope of services are summarized below. A spreadsheet with a more detailed breakdown of the hours and rates for each of the tasks is attached.

Introduction	\$2,000
Municipal	\$4,000
Industrial and Commercial	\$5,600
Residential	\$2,500
Development Planning	\$5,000
Construction	\$3,400
Illicit Discharge Detection and Elimination	\$4,100
Education	\$1,700
Public Participation	\$1,150
Effectiveness Assessment	\$5,600
Fiscal Analysis	\$400
List of JURMP Modifications	\$2,400
Coordination Meetings with the City	\$1,400
Report Preparation (Draft)	\$4,500
Report Preparation (Final)	\$2,000

Total **\$45,750**

We have enjoyed working with the City of Santee over the past several years, and we strongly believe that our overall storm water experience and specific knowledge of the City's storm water program will allow us to provide you with excellent quality service at very competitive and affordable rates for this project. Please call me at (858) 586-6600 extension 22 with any questions regarding this proposal.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph. D., P.E.
Project Manager

**City of Santee
JURMP
Cost Breakdown**

	Principal Engineer	Project Scientist	Staff Scientist	Drafter	Word Processor	Clerk	ODC	Direct Total	Rounded Total
Rate	\$130	\$105	\$85	\$60	\$55	\$50			
Task									
Introduction	4	12		4				\$2,020	\$2,000
Municipal	4	16	20					\$3,900	\$4,000
Industrial and Commercial	6	20	32					\$5,600	\$5,600
Residential	2	8	16					\$2,460	\$2,500
Development Planning	4	20	28					\$5,000	\$5,000
Construction	4	18	12					\$3,430	\$3,400
Illicit Discharge Detection/Elimination	6	8	24	8				\$4,140	\$4,100
Education	2	4	12					\$1,700	\$1,700
Public Participation	2	2	8					\$1,150	\$1,150
Program Effectiveness Assessment	8	30	16					\$5,550	\$5,600
Fiscal Analysis	1	2.5						\$393	\$400
Jurmp Modification	2	4	20					\$2,380	\$2,400
Coordination Meetings with City	6	6						\$1,410	\$1,400
Report Preparation (Draft)	6	16	8	4	16	4	\$100	\$4,560	\$4,500
Report Preparation (Final)	2	4	4		8	4	\$400	\$2,060	\$2,000
Total	59	170.5	200	16	24	8	\$500	\$45,753	\$45,750

July 10, 2008
Project No. 200826W

Ms. Helen M. Perry
Storm Water Program Manager
City of Santee
10601 Magnolia Avenue
Santee, CA 92107-1266

Re: Proposal to Prepare FY 2007/2008 JURMP Annual Report for the City of Santee

Dear Ms. Perry:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Santee (City) in the preparation of the fiscal year 2007/2008 Jurisdictional Urban Runoff Management Program (JURMP) Annual Report. In previous years, the JURMP Annual Report was due to the Regional Water Quality Control Board (RWQCB) at the end of January, allowing seven months after the end of the fiscal year for the preparation and delivery of the report. Based on recent changes to the City's storm water permit, however, the 2007/2008 JURMP Annual Report is due to the RWQCB by the end of September 2008.

The scope of services associated with preparing the 2007/2008 JURMP Annual Report includes the following tasks:

Task 1: Coordinate Information Transfer with City Personnel

It is our understanding that City's Storm Water Program Manager will obtain the information needed to write the 2007/2008 Annual Report from other departments in the City. It is our understanding that summary spreadsheets and/or summary reports will be provided for inspections related to the development planning, construction, industrial/commercial, and municipal components of the JURMP. After receiving the initial set of information, we will work with the applicable City staff to clarify questions if necessary and ask further follow-up questions where appropriate. Pertinent information acquired under this task will be used in Task 2.

Task 2: Prepare JURMP Annual Report

This task includes the preparation of the JURMP Annual Report in accordance with both the previous and current versions of the San Diego Municipal Storm Water Permit (Order 2001-01 and Order No. R9-2007-0001, respectively). The City was required to begin implementing the requirements of Order No. R9-2007-0001 no later than March 24, 2008, but some program elements or portions of program elements may have begun operating under the new program designs earlier. Determining the dates when the new programs were implemented will be part of the information collection process in Task 1.

Because the reporting requirements for the two different orders are different, most sections of the Annual Report will need to discuss how the program element met the requirements of each permit and when the Order No. R9-2007-0001 program was fully implemented. The following components and tasks will be included in the JURMP Annual Report.

- **Global changes**

- Update order, titles, and content of sections and subsections to match the regionally standardized JURMP Annual Report format submitted to the RWQCB in July 2007 and the JURMP update completed in March 2008.
- Include discussions of how each program element met the applicable requirements of both Order 2001-01 and Order No. R9-2007-0001.

- **Sections**

- Executive Summary: will include summary of overall changes in requirements and lists of key achievements for the various elements of the City's program.
- Introduction: will include a summary of the City's storm water program, the relevant regulatory requirements, a reference to any RWQCB comments on the City's 2006/2007 JURMP Annual Report (if applicable, the response will be included as an attachment), and a summary list of key achievements.
 - [We assume the City will prepare any required responses to comments received from the RWQCB regarding the 2006/2007 JURMP Annual Report.](#)
- Development Planning: will include descriptions of the City's efforts to require BMP implementation for new development and redevelopment projects, including the City's Standard Urban Storm Water Mitigation Plan (SUSMP); treatment control BMP inventory update; treatment control BMP inspections; and treatment control BMP operation and maintenance verifications. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A listing of the priority development projects which were allowed to implement treatment control BMPs with low removal efficiency rankings, including the feasibility analyses which were conducted to exhibit that more effective BMPs were infeasible.
 - An updated treatment control BMP inventory.
 - The number of treatment control BMPs inspected, including a summary of inspection results and findings.
 - A description of the annual verification of operation and maintenance of treatment control BMPs, including a summary of verification results and findings.
 - Confirmation that BMP verification was conducted for all priority development projects prior to occupancy, including a description of how this information was tracked.
 - A listing of any projects which received a SUSMP waiver.
 - A description of implementation of any SUSMP waiver mitigation program.
 - A description of Hydromodification Management Plan (HMP) development collaboration and participation.
 - A listing of development projects required to meet HMP requirements, including a description of hydrologic control measures implemented.
 - A listing of priority development projects not required to meet HMP requirements, including a description of why the projects were found to be exempt from the requirements.
 - A listing of development projects disturbing 50 acres or more, including information on whether Interim Hydromodification Criteria were met by

- each of the projects, together with a description of hydrologic control measures implemented for each applicable project.
- The number of violations and enforcement actions (including types) taken for development projects, including information on any necessary follow-up actions taken. The discussion should exhibit that compliance has been achieved, or describe actions that are being taken to achieve compliance.
- Construction: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - For each construction site within each priority category (high, medium, and low), identification of the period of time (weeks) the site was active within the rainy season, the number of inspections conducted during the rainy season, and the number of inspections conducted during the dry season, and the total number of inspections conducted for all sites.
 - Confirmation that a maximum disturbed area for grading was applied to all applicable construction sites.
 - A listing of all construction sites with conditions requiring advanced treatment, together with confirmation that advanced treatment was required at such construction sites.
 - Municipal: will include descriptions of the City's updated programs for activities such as street sweeping, municipal separate storm sewer system (MS4) maintenance, and fertilizer management. A description of the City's inspections of municipal facilities and activities, including any relevant enforcement action, will also be included. Order No. 2007-0001 includes a number of changes in requirements for municipal programs, many of which require significantly more detailed data than has been available in the past. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of inspections and maintenance conducted for municipal treatment controls. We assume that this item refers only to non-SUSMP treatment control BMPs. Inspection and maintenance for treatment control BMPs installed as part of public SUSMP projects will be discussed in the development planning section.
 - Identification of the total number of catch basins and inlets, the number of catch basins and inlets inspected, the number of catch basins and inlets found with accumulated waste exceeding cleaning criteria, and the number of catch basins and inlets cleaned.
 - Identification of the total distance (miles) of the MS4, the distance of the MS4 inspected, the distance of the MS4 found with accumulated waste exceeding cleaning criteria, and the distance of the MS4 cleaned.
 - Identification of the total distance (miles) of open channels, the distance of open channels inspected, the distance of open channels found with anthropogenic litter, and the distance of open channels cleaned.
 - Amount of waste and litter (tons) removed from catch basins, inlets, the MS4, and open channels, by category.
 - Identification of any MS4 facility found to require inspection less than annually following two years of inspection, including justification for the

- finding. Unless past data will be used to support this finding, most likely nothing can be reported on this item for 2007/2008.
- Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating the highest volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating moderate volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
 - Identification of the total distance of curb-miles of improved roads, streets, and highways identified as consistently generating low volumes of trash and/or debris, as well as the frequency of sweeping conducted for such roads, streets, and highways.
- Industrial/Commercial: will include a description of the City's new BMP requirements and inventory management and inspection efforts, including enforcement. It will also include a discussion of the City's efforts with respect to mobile businesses. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of efforts taken to notify owners / operators of stationary and mobile industrial and commercial sites / sources of BMP requirements.
 - A description of steps taken to identify non-filers and a list of non-filers (under the General Industrial Permit) identified by the Copermitees.
 - Residential: will include a description of the City's education and enforcement efforts, including complaint investigations, related to residential areas. *We assume the City will prepare approximately 90 percent of this section and submit the draft to D-MAX for review and edits, particularly with respect to meeting new Municipal Permit requirements.* Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - A description of collaborative efforts taken to develop and implement the Regional Residential Education Program.
 - A description of any evaluation of methods used for oversight of residential areas and activities, as well as any findings of the evaluation.
 - Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.
 - Correction of any inaccuracies in either the MS4 map or the Dry Weather Field Screening and Analytical Stations Map.
 - A summary of changes to the Dry Weather Monitoring Program, including the addition of trash assessment and follow-up of laboratory exceedances within two business days.
 - Education: will include descriptions of various educational efforts by the City. The new Municipal Permit emphasizes presenting educational efforts



categorized by type of target audience. Some key new items which must now be included in the 2007/2008 JURMP Annual Report are listed below.

- A description of education efforts conducted for each target community
- Descriptions of how education efforts targeted underserved target audiences, high-risk behaviors, and “allowable” behaviors and discharges
- Public Participation: will include a description of the City’s efforts to involve the public in the development and implementation of its storm water program. *We assume the City will prepare approximately 90 percent of this section and submit the draft to D-MAX for review and edits, particularly with respect to meeting new Municipal Permit requirements.* The requirements of this section are not substantially different from what was required under RWQCB Order 2001-01.
- Fiscal Analysis: will include a summary of the funding sources for the City’s storm water program and budget line items. Note that new fiscal analysis reporting requirements are being developed but are not likely to be available before January 2009. *We assume that the City will complete this section of the Annual Report.*
- Effectiveness Assessment: will include analyses of the effectiveness of the City’s storm water program. The matrix presented in the City’s 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared. Order No. R9-2007-0001 requires a significantly more detailed assessment of program effectiveness than what had previously been required.
- Special Investigations: will include a summary of the additional study conducted concurrently with the Dry Weather Monitoring Program and the results of water quality monitoring for the Forester Creek Study.
- Conclusions: will include a brief conclusions section similar to what has been presented in previous annual reports.
- Please note that any information about non-emergency fire fighting will be discussed in the municipal section, and any changes to the JURMP will be described in the relevant program component sections.
- **Report Preparation: Draft**
 - We will prepare one electronic copy of the report text for City review. An individual Word document will be prepared for each section instead of using one master file for the entire document.
- **Responding to City Comments on the Draft Report**
 - We anticipate receiving and incorporating one round of technical comments on the draft report from the City.
- **Report Preparation: Final**
 - We will prepare one electronic copy of the final JURMP Annual Report and attachments. We will provide both (1) Word documents of the main report sections and (2) a single pdf file of the overall document. Our understanding is that all electronic files, including attachments and the certification statement, must be converted to pdf format and merged into a single pdf document in order to meet RWQCB paperless office requirements.

Project Schedule and Costs for Services



We understand that the County of San Diego will need to receive the final report close to the end of September 2008. Because the reporting deadline is significantly earlier this year than it has been in previous years, we suggest beginning work as soon as possible. While not all necessary data will be available before July 1, we will be able to do initial preparation of questions and start collecting the information that is available at that point. We propose the following schedule.

- Notice to Proceed: July 16, 2008
- Deliver Draft Report to City: September 15, 2008
- Receive Review Comments from City: September 19, 2008
- Deliver Final Report to City: September 24, 2008.

We propose completing the services described in this proposal on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$19,853. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

Santee 2007/2008 JURMP Annual Report

	Project Manager	Project Scientist	Asst Project Scientist	Word Processor	ODC	Total
	Rates (\$/hr)					
TASKS	\$ 130.00	\$ 105.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Coordinate Information Transfer with City						
Organize Information, Follow-up as Needed	1	4	8			\$1,310
					Subtotal	\$1,310
2) Prepare JURMP Annual Report						
Executive Summary	1	3				\$445
Introduction		2				\$210
New Development/Redevelopment	2	4	12			\$1,820
Construction	1	3	14			\$1,775
Municipal	2	4	16			\$2,200
Industrial/Commercial	1	4	16			\$2,070
Residential		2	2			\$400
IDDE	1	3	10			\$1,395
Education		2	12			\$1,350
Public Participation		2	2			\$400
Fiscal Analysis		0	0			\$0
Analysis of Program Effectiveness	4	12	8			\$2,540
Special Investigations		2	4			\$590
Conclusions			0.5			\$48
Overall Review/Formatting	8	4		2		\$1,570
Address Comments from City	1	8	8			\$1,730
					Subtotal	\$18,543
Totals	22	59	112.5	2	Grand Total	\$19,853

June 5, 2009
Project No. 200936W

Ms. Helen M. Perry
Stormwater Program Manager
City of Santee
10601 Magnolia Avenue
Santee, CA 92107-1266

**Re: Proposal for FY 2008/2009 JURMP Annual Report Preparation Assistance
City of Santee, CA**

Dear Ms. Perry:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Santee (City) in the preparation of the fiscal year 2008/2009 Jurisdictional Urban Runoff Management Program (JURMP) Annual Report. Work will be conducted in accordance with the requirements of Regional Water Quality Control Board (RWQCB) Order No. R9-2007-0001 (Municipal Permit).

The scope of services associated with preparing the 2007/2008 JURMP Annual Report includes the following tasks.

Task 1: Coordinate Information Transfer with City Personnel

We will work with the City's Stormwater Program Manager to obtain the information necessary to write the sections of the JURMP Annual Report listed in Task 2. Pertinent information acquired under this task will be used in Task 2.

Task 2: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

• Sections

- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key items to be included in the 2008/2009 JURMP Annual Report are listed below.
 - A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
 - A list of complaints and hotline calls received and how they were resolved.
 - A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.
- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring

Program data similar to what has been presented in previous annual reports will also be prepared.

- **Report Preparation: Draft**
 - We will prepare one electronic copy of the sections above for City review. An individual MS Word document will be prepared for each section.
- **Responding to City Comments on the Draft Report**
 - We anticipate receiving and incorporating one round of technical comments on the draft report from the City.
- **Report Preparation: Final**
 - Effectiveness Assessment: we will prepare one electronic copy of the final section in both MS Word and pdf format.
 - IDDE Section: we will prepare one electronic copy of the December IDDE submittal and attachments in MS Word and pdf format. The section and attachments will all be merged into one pdf document to facilitate submittal to the RWQCB.

Task 3: Review Sections of the JURMP Annual Report Prepared by the City

We will review the sections of the JURMP Annual Report that the City is preparing in-house. Our review will focus mainly on technical aspects of the report, particularly assessing compliance with Municipal Permit requirements. We anticipate receiving MS Word document versions of the sections prepared by the City and inserting our comments electronically using the track changes feature. After providing our comments, we will meet with City staff to discuss the comments. The meeting will focus on the most significant and challenging comments.

Project Schedule

We understand that the County of San Diego will need to receive the final report, except for the IDDE section, close to the end of September 2009. The IDDE section will be due in December 2009. Since the deadline for IDDE submittal to the RWQCB is December 15, we anticipate a deadline for delivery to the County of December 11 or 14. We propose the following schedule.

- Notice to Proceed: July 1, 2009
- Receive City's Sections for Review: August 26, 2009
- Deliver Effectiveness Assessment Section to City: September 9, 2009
- Deliver Comments on Sections to City: September 11, 2009
- Receive Review Comments from City: September 19, 2008
- Deliver Final Effectiveness Assessment Section to City: September 24, 2008

- Deliver Draft IDDE Section to City for Review: November 17, 2009
- Receive Review Comments from City: December 1, 2009
- Deliver Final IDDE Section to City: December 8, 2009



Costs for Services

We propose completing the services described in this proposal on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$7,916. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

Santee 2008/2009 JURMP Annual Report

	Project Manager	Project Scientist	Asst Project Scientist	Word Processor	ODC	Total
	Rates (\$/hr)					
TASKS	\$ 140.00	\$ 110.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Coordinate Information Transfer with City						
Organize Information, Follow-up as Needed		1	2			\$300
2) Prepare JURMP Annual Report						
IDDE	1	3	10	1		\$1,475
Analysis of Program Effectiveness	2.5	12	8	0.5		\$2,458
3) Overall Review of Document						
Review Sections Prepared by City	2	6	24			\$3,220
Meet with City Staff to Discuss Review Comments		4			\$24	\$464
Totals	5.5	26	44	1.5	Grand Total	\$7,916

Note: ODC includes mileage

June 29, 2010
Project No. 201041W

Ms. Helen M. Perry
Stormwater Program Manager
City of Santee
10601 Magnolia Avenue
Santee, CA 92107-1266

**Re: Proposal for FY 2009/2010 JURMP Annual Report Preparation Assistance
City of Santee, CA**

Dear Ms. Perry:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Santee (City) in the preparation of the fiscal year 2009/2010 Jurisdictional Urban Runoff Management Program (JURMP) Annual Report. Work will be conducted in accordance with the requirements of Regional Water Quality Control Board (RWQCB) Order No. R9-2007-0001 (Municipal Permit).

The scope of services associated with preparing the 2009/2010 JURMP Annual Report includes the following tasks.

Task 1: Coordinate Information Transfer with City Personnel

We will work with the City's Stormwater Program Manager to obtain the information necessary to write the sections of the JURMP Annual Report listed in Task 2. Pertinent information acquired under this task will be used in Task 2.

Task 2: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

• Sections

- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key items to be included in the 2009/2010 JURMP Annual Report are listed below.
 - A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
 - A list of complaints and hotline calls received and how they were resolved.
 - A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.
- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring

Program data similar to what has been presented in previous annual reports will also be prepared.

- **Report Preparation: Draft**
 - We will prepare one electronic copy of the sections above for City review. An individual MS Word document will be prepared for each section.
- **Responding to City Comments on the Draft Report**
 - We anticipate receiving and incorporating one round of technical comments on the draft report from the City.
- **Report Preparation: Final**
 - Effectiveness Assessment: we will prepare one electronic copy of the final section in both MS Word and pdf format.
 - IDDE Section: we will prepare one electronic copy of the December IDDE submittal and attachments in MS Word and pdf format. The section and attachments will all be merged into one pdf document to facilitate submittal to the RWQCB.

Task 3: Review Sections of the JURMP Annual Report Prepared by the City

We will review the sections of the JURMP Annual Report that the City is preparing in-house. Our review will focus mainly on technical aspects of the report, particularly assessing compliance with Municipal Permit requirements. We anticipate receiving MS Word document versions of the sections prepared by the City and inserting our comments electronically using the track changes feature. After providing our comments, we will meet with City staff to discuss the comments. The meeting will focus on the most significant and challenging comments.

Project Schedule

We understand that the County of San Diego will need to receive the final report, except for the IDDE section, close to the end of September 2010. The IDDE section will be due in December 2010. Since the deadline for IDDE submittal to the RWQCB is December 15, we anticipate a deadline for delivery to the County of December 13. We propose the following schedule.

- Notice to Proceed: July 10, 2010
- Receive City's Sections for Review: August 27, 2010
- Deliver Effectiveness Assessment Section to City: September 10, 2010
- Deliver Comments on Sections to City: September 13, 2010
- Receive Review Comments from City: September 20, 2010
- Deliver Final Effectiveness Assessment Section to City: September 24, 2010

- Deliver Draft IDDE Section to City for Review: November 19, 2010
- Receive Review Comments from City: December 3, 2010
- Deliver Final IDDE Section to City: December 9, 2010



Costs for Services

We propose completing the services described in this proposal on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$7,916. Please see the attached spreadsheet for a detailed breakdown of our estimated costs.

If you have any questions regarding this proposal, please contact me at (858) 586-6600 x22.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

Santee 2009/2010 JURMP Annual Report

	Project Manager	Project Scientist	Asst Project Scientist	Word Processor	ODC	Total
	Rates (\$/hr)					
TASKS	\$ 140.00	\$ 110.00	\$ 95.00	\$ 55.00		
	HOURS					
1) Coordinate Information Transfer with City						
Organize Information, Follow-up as Needed		1	2			\$300
2) Prepare JURMP Annual Report						
IDDE	1	3	10	1		\$1,475
Analysis of Program Effectiveness	2.5	12	8	0.5		\$2,458
3) Overall Review of Document						
Review Sections Prepared by City	2	6	24			\$3,220
Meet with City Staff to Discuss Review Comments		4			\$24	\$464
Totals	5.5	26	44	1.5	Grand Total	\$7,916

Note: ODC includes mileage

June 30, 2011
Original Proposal: June 3, 2011
Project No. 201131W

Ms. Helen M. Perry
Stormwater Program Manager
City of Santee
10601 Magnolia Avenue
Santee, CA 92107-1266

**Re: Proposal for FY 2010/2011 JURMP Annual Report Preparation Assistance
City of Santee, CA**

Dear Ms. Perry:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Santee (City) in the preparation of the fiscal year 2010/2011 Jurisdictional Urban Runoff Management Program (JURMP) Annual Report. Work will be conducted in accordance with the requirements of Regional Water Quality Control Board (RWQCB) Order No. R9-2007-0001 (Municipal Permit).

The scope of services associated with preparing the 2010/2011 JURMP Annual Report includes the following tasks.

Task 1: Coordinate Information Transfer with City Personnel

We will work with the City's Stormwater Program Manager to obtain the information necessary to write the sections of the JURMP Annual Report listed in Task 2. Pertinent information acquired under this task will be used in Task 2.

Task 2: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

• **Sections**

- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key items to be included in the 2010/2011 JURMP Annual Report are listed below.
 - A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
 - A list of complaints and hotline calls received and how they were resolved.
 - A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.
- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring

Program data similar to what has been presented in previous annual reports will also be prepared.

- **Report Preparation: Draft**
 - We will prepare one electronic copy of the sections above for City review. An individual MS Word document will be prepared for each section.
- **Responding to City Comments on the Draft Report**
 - We anticipate receiving and incorporating one round of technical comments on the draft report from the City.
- **Report Preparation: Final**
 - City-Prepared Sections: It is our understanding that the City will provide the following in pdf or MS Word format: annual report sections, appendices, attachments, certification, cover page, and appendix/attachment dividers.
 - D-MAX-Prepared Sections: We will prepare an electronic copy of the final Effectiveness Assessment and IDDE sections in MS Word and pdf format. In addition, we will prepare an updated table of contents.
 - Electronic Final Copy: D-MAX will prepare and deliver four (4) electronic copies of the final JURMP Annual Report and attachments to the City. Due to changes in RWQCB requirements, no hard copies are required for this year's submittal. We will convert all electronic files, including attachments and the certification statement, to pdf format and merge them into a single pdf document to meet RWQCB paperless office requirements.

Task 3: Review Sections of the JURMP Annual Report Prepared by the City

We will review the sections of the JURMP Annual Report that the City is preparing in-house. Our review will focus mainly on technical aspects of the report, particularly assessing compliance with Municipal Permit requirements. We anticipate receiving MS Word document versions of the sections prepared by the City and inserting our comments electronically using the track changes feature. After providing our comments, we will meet with City staff to discuss the comments. The meeting will focus on the most significant and challenging comments.

Task 4 (Optional): Printing and Assembling of Final JURMP Annual Report

At the City's request, D-MAX will prepare and deliver two (2) hard copies of the final JURMP Annual Report and attachments.

Project Schedule

We understand that the County of San Diego will need to receive the final report, except for the IDDE section, close to the end of September 2011. The IDDE section will be due in December 2011. Since the deadline for IDDE submittal to the RWQCB is December 15, we anticipate a deadline for delivery to the County of December 13. We propose the following schedule.



- Notice to Proceed: July 2011
 - Receive City-prepared sections for review: August 26, 2011
 - Deliver Effectiveness Assessment section to City: September 9, 2011
 - Deliver comments on City-prepared sections to City: September 14, 2011
 - Receive Effectiveness Assessment comments from City: September 21, 2011
 - Receive final electronic copies of City-prepared sections: September 22, 2011
 - The final report will be submitted to the City no later than September 26, 2011.
-
- Deliver draft IDDE section to City for review: November 18, 2011
 - Receive review comments from City: December 2, 2011
 - Deliver final IDDE section to City: December 9, 2011

Costs for Services

We propose completing Tasks 1, 2, and 3 on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$9,016. Please see the attached spreadsheet for a detailed breakdown of our estimated costs. Optional Task 4, report reproduction and delivery, would be provided on a time and materials basis in accordance with the attached Schedule of Fees, not to exceed \$781.

Please feel free to contact us if you have any questions regarding this proposal. We look forward to working with you again on this project.

Sincerely,
D-MAX Engineering, Inc.

A handwritten signature in black ink that reads 'Arsalan Dadkhah'.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

Santee 2010/2011 JURMP Annual Report Asssitance

	Project Manager	Senior Scientist	Asst Project Scientist	Word Processor	ODC	Total
TASKS	\$140	\$120	\$100	\$55		
Rates (\$/hr)						
HOURS						
1) Coordinate Information Transfer with City						
Organize Information, Follow-up as Needed		1	2			\$320
2) Prepare JURMP Annual Report						
IDDE	1	3	10	1		\$1,555
Analysis of Program Effectiveness	2.5	12	8	0.5		\$2,618
3) Overall Review of Document & Finalization						
Review Sections Prepared by City	2	6	24			\$3,400
Meet with City Staff to Discuss Review Comments		4			\$22	\$502
Preparation of Final Report Electronic Copies			2	7.5	\$9	\$622
Total (Tasks 1-3)	5.5	26	46	9	\$31	\$9,016
Optional Task:						
4) Reproduction and Delivery of Hard Copies						
Final September Submittal			2	6	\$116	\$646
Final IDDE December Submittal				2	\$25	\$135
Total (Tasks 4)			2	8	\$141	\$781

Note: ODC includes mileage, printing costs, and postage

May 16, 2012

Ms. Helen M. Perry
Stormwater Program Manager
City of Santee
10601 Magnolia Avenue
Santee, CA 92107-1266

**Re: Proposal for FY 2011/2012 JURMP Annual Report Preparation Assistance and As-Needed Services
City of Santee, CA**

Dear Ms. Perry:

D-MAX Engineering, Inc. (D-MAX) is pleased to submit this proposal to assist the City of Santee (City) in preparing the fiscal year 2011/2012 Jurisdictional Urban Runoff Management Program (JURMP) Annual Report and by providing as-needed program support services related to new requirements. Work will be conducted in accordance with the requirements of Regional Water Quality Control Board (RWQCB) Order No. R9-2007-0001 (Municipal Permit) and any other applicable water quality requirements, including the San Diego River total maximum daily load (TMDL) requirements.

Service A: 2011/2012 JURMP Annual Report

The scope of services associated with preparing the 2011/2012 JURMP Annual Report includes the following tasks.

Task 1: Coordinate Information Transfer with City Personnel

We will work with the City's Stormwater Program Manager to obtain the information necessary to write the sections of the JURMP Annual Report listed in Task 2. Pertinent information acquired under this task will be used in Task 2.

Task 2: Prepare JURMP Annual Report

The following components and tasks will be included in the preparation of the JURMP Annual Report.

- **Sections**

- Illicit Discharge Detection and Elimination (IDDE): will include descriptions of complaint receipt and responses, mechanisms to prevent and respond to sanitary sewer spills, Dry Weather Monitoring Program results, responses to recommendations generated based on the previous year's Dry Weather Monitoring Program, and a summary of the illicit connections and illegal discharges detected in the City and how they were resolved. Some key items to be included in the 2011/2012 JURMP Annual Report are listed below.
 - A description of how sources of exceedances identified in the Dry Weather Monitoring Program were addressed.
 - A list of complaints and hotline calls received and how they were resolved.
 - A description of any significant spills or other incidents reported to the RWQCB and how they were resolved.



- Effectiveness Assessment: will include analyses of the effectiveness of the City's storm water program. The matrix presented in the City's 2008 JURMP will be used as a guideline for this section, and graphs of Dry Weather Monitoring Program data similar to what has been presented in previous annual reports will also be prepared.
- **Report Preparation: Draft**
 - We will prepare one electronic copy of the sections above for City review. An individual MS Word document will be prepared for each section.
- **Responding to City Comments on the Draft Report**
 - We anticipate receiving and incorporating one round of technical comments on the draft report from the City.
- **Report Preparation: Final**
 - City-Prepared Sections: It is our understanding that the City will provide the following in pdf or MS Word format: annual report sections, appendices, attachments, certification, cover page, and appendix/attachment dividers.
 - D-MAX-Prepared Sections: We will prepare an electronic copy of the final Effectiveness Assessment and IDDE sections in MS Word and pdf format. In addition, we will prepare an updated table of contents.
 - Electronic Final Copy: D-MAX will prepare and deliver four (4) electronic copies of the final JURMP Annual Report and attachments to the City. Due to changes in RWQCB requirements, no hard copies are required for this year's submittal. We will convert all electronic files, including attachments and the certification statement, to pdf format and merge them into a single pdf document to meet RWQCB paperless office requirements.

Task 3: Review Sections of the JURMP Annual Report Prepared by the City

We will review the sections of the JURMP Annual Report that the City is preparing in-house. Our review will focus mainly on technical aspects of the report, particularly assessing compliance with Municipal Permit requirements. We anticipate receiving MS Word document versions of the sections prepared by the City and inserting our comments electronically using the track changes feature. After providing our comments, we will meet with City staff to discuss the comments. The meeting will focus on the most significant and challenging comments.

Task 4 (Optional): Printing and Assembling of Final JURMP Annual Report

At the City's request, D-MAX will prepare and deliver two (2) hard copies of the final JURMP Annual Report and attachments.

Service A Schedule

We understand that the County of San Diego will need to receive the final report, except for the IDDE section, close to the end of September 2011. The IDDE section will be due in December 2011. Since the deadline for IDDE submittal to the RWQCB is December 15, we anticipate a deadline for delivery to the County of December 13. We propose the following schedule.



- Notice to Proceed: July 2012
- Receive City-prepared sections for review: August 27, 2012
- Deliver Effectiveness Assessment section to City: September 10, 2012
- Deliver comments on City-prepared sections to City: September 14, 2012
- Receive Effectiveness Assessment comments from City: September 21, 2012
- Receive final electronic copies of City-prepared sections: September 24, 2012
- The final report will be submitted to the City no later than September 26, 2012.

- Deliver draft IDDE section to City for review: November 19, 2012
- Receive review comments from City: December 3, 2012
- Deliver final IDDE section to City: December 10, 2012

Service B: As-Needed Support

The RWQCB has recently released a draft version of the Municipal Permit, which is scheduled to be reissued in December 2012. The current draft includes a number of substantial changes in requirements. The City is also facing TMDL requirements for the San Diego River Watershed. When requested by the City, we will help address these new requirements by providing comments on proposed requirements and plans, helping develop new required programs, and providing other related services.

Costs for Services

All services described herein will be provided on a Time and Materials basis in accordance with the fee schedule incorporated into our existing dry weather monitoring contract with the City.

Service A: 2011/2012 JURMP Annual Report*

Tasks 1, 2, and 3not to exceed \$9,016
Task 4not to exceed \$781

**A cost estimate spreadsheet for Service A tasks is attached.*

Service B: As-Needed Support\$3,000-\$6,000

Please feel free to contact us if you have any questions regarding this proposal. We look forward to working with you again on this project.

Sincerely,
D-MAX Engineering, Inc.

Arsalan Dadkhah, Ph.D., P.E.
Project Manager

Santee 2011/2012 JURMP Annual Report Asssitance

	Project Manager	Senior Scientist	Asst Project Scientist	Word Processor	ODC	Total
TASKS	\$140	\$120	\$100	\$55		
Rates (\$/hr)						
HOURS						
1) Coordinate Information Transfer with City						
Organize Information, Follow-up as Needed		1	2			\$320
2) Prepare JURMP Annual Report						
IDDE	1	3	10	1		\$1,555
Analysis of Program Effectiveness	2.5	12	8	0.5		\$2,618
3) Overall Review of Document & Finalization						
Review Sections Prepared by City	2	6	24			\$3,400
Meet with City Staff to Discuss Review Comments		4			\$22	\$502
Preparation of Final Report Electronic Copies			2	7.5	\$9	\$622
Total (Tasks 1-3)	5.5	26	46	9	\$31	\$9,016
Optional Task:						
4) Reproduction and Delivery of Hard Copies						
Final September Submittal			2	6	\$116	\$646
Final IDDE December Submittal				2	\$25	\$135
Total (Tasks 4)			2	8	\$141	\$781

Note: ODC includes mileage, printing costs, and postage

DECLARATION OF SERVICE BY EMAIL

I, the undersigned, declare as follows:

I am a resident of the County of Sacramento and I am over the age of 18 years, and not a party to the within action. My place of employment is 980 Ninth Street, Suite 300, Sacramento, California 95814.

On March 29, 2024, I served the:

- **Current Mailing List dated March 28, 2024**
- **Notice of Waiver of Procedural Requirements, Extension Request Approval, and Postponement of Hearing issued March 29, 2024**
- **Claimants' Comments on the Draft Proposed Decision and Parameters and Guidelines (Volumes 1-14) filed February 20, 2024**

San Diego Regional Water Quality Control Board Order No. R9-2007-0001, Permit CAS0108758, Parts D.3.a.(3)(b)(iii), D.5.a.(1), D.5.a.(2), D.5.b.(1)(a), D.5.b.(1)(b)(iii-vi), D.5.b.(1)(c), D.5.b.(1)(d), D.5.b.(2), D.5.b.(3), E.2.f., E.2.g., F.1., F.2., F.3., I.1., I.2., I.5., J.3.a.(3)(c)(iv)-(viii), (x)-(xv), the first sentence of L.1. as it applies to the newly mandated activities, and L.1.a.(3)-(6), 07-TC-09-R County of San Diego, Cites of Carlsbad, Del Mar, Imperial Beach, Lemon Grove, Poway, San Marcos, Santee, Solana Beach, Chula Vista, Coronado, Del Mar, El Cajon, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove, National City, Oceanside, San Diego, and Vista, Claimants

by making it available on the Commission's website and providing notice of how to locate it to the email addresses provided on the attached mailing list.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that this declaration was executed on March 29, 2024 at Sacramento, California.



Jill Magee
Commission on State Mandates
980 Ninth Street, Suite 300
Sacramento, CA 95814
(916) 323-3562

COMMISSION ON STATE MANDATES

Mailing List

Last Updated: 3/28/24

Claim Number: 07-TC-09-R

Matter: San Diego Regional Water Quality Control Board Order No. R9-2007-0001
Permit CAS0108758 Parts D.1.d.(7)-(8), D.1.g., D.3.a.(3), D.3.a.(5), D.5, E.2.f,
E.2.g, F.1, F.2, F.3, I.1, I.2, I.5, J.3.a.(3)(c)iv-viii & x-xv, and L.

Claimants: City of Carlsbad
City of Chula Vista
City of Del Mar
City of Encinitas
City of Escondido
City of Imperial Beach
City of La Mesa
City of Lemon Grove
City of National City
City of Oceanside
City of Poway
City of San Diego
City of San Marcos
City of Santee
City of Solana Beach
City of Vista

TO ALL PARTIES, INTERESTED PARTIES, AND INTERESTED PERSONS:

Each commission mailing list is continuously updated as requests are received to include or remove any party or person on the mailing list. A current mailing list is provided with commission correspondence, and a copy of the current mailing list is available upon request at any time. Except as provided otherwise by commission rule, when a party or interested party files any written material with the commission concerning a claim, it shall simultaneously serve a copy of the written material on the parties and interested parties to the claim identified on the mailing list provided by the commission. (Cal. Code Regs., tit. 2, § 1181.3.)

Adaoha Agu, *County of San Diego Auditor & Controller Department*
Projects, Revenue and Grants Accounting, 5530 Overland Avenue, Ste. 410 , MS:O-53, San Diego,
CA 92123

Phone: (858) 694-2129

Adaoha.Agu@sdcounty.ca.gov

Tiffany Allen, *Treasury Manager, City of Chula Vista*

Claimant Contact

Finance Department, 276 Fourth Avenue, Chula Vista, CA 91910

Phone: (619) 691-5250

tallen@chulavistaca.gov

Rachelle Anema, Division Chief, *County of Los Angeles*
Accounting Division, 500 W. Temple Street, Los Angeles, CA 90012
Phone: (213) 974-8321
RANEMA@auditor.lacounty.gov

Lili Apgar, Specialist, *State Controller's Office*
Local Reimbursements Section, 3301 C Street, Suite 740, Sacramento, CA 95816
Phone: (916) 324-0254
lapgar@sco.ca.gov

Socorro Aquino, *State Controller's Office*
Division of Audits, 3301 C Street, Suite 700, Sacramento, CA 95816
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