

RESOLUTION NO. 5032

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SOLEDAD
APPROVING A PROPOSAL FROM RICK ENGINEERING COMPANY FOR THE
IMPLEMENTATION OF THE PHASE II STORMWATER PERMIT REQUIREMENTS
FOR PERMIT YEAR 2 (2014-2015) IN THE AMOUNT OF \$95,500**

WHEREAS, on November 6, 2013, Council awarded a contract to Rick Engineering to provide on-call storm water engineering services as needed to prepare a Phase II Stormwater Permit application and perform work as needed for compliance with the Phase II Stormwater Permit as required by the California State Water Resources Control Board (SWRCB); and

WHEREAS, on March 5, 2014, Council awarded two tasks with Rick Engineering Company for the Phase II Stormwater Permit Project Permit Year 1 requirements in the Amount of \$78,700; and

WHEREAS, the City is now in Permit Year 2 of the Phase II Stormwater Permit Project Permit and must meet Permit Year 2 requirements as specified in the Permit; and

WHEREAS, the Proposal being recommended for approval tonight with Rick Engineering Company is for work required to comply with Phase II Stormwater Permit Project Permit Year 2 requirements, that will include, but not be limited to, preparation of plans for illicit discharge and detection elimination, development of a construction site storm water runoff control program, and preparation of an inventory of City owned and operated facilities that pose a threat to water quality.

NOW THEREFORE, BE IT HEREBY RESOLVED, by the City Council of the City of Soledad that the Proposal dated October 14, 2014 from Rick Engineering, for work required to comply with Phase II Permit Year 2 requirements, a copy of which is attached hereto as Exhibit "A" and by reference incorporated herein, is hereby approved in an amount not to exceed \$95,500 and the City Manager is authorized and directed to execute the same on behalf of the City.

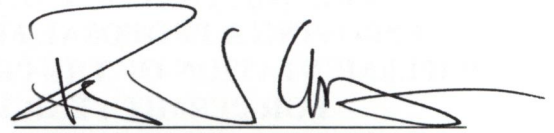
PASSED AND ADOPTED by the City Council of the City of Soledad at a regular meeting duly held on the 5th of November, 2014, by the following vote:

AYES, and in favor thereof, Councilmembers: Christopher K. Bourke, Richard J. Perez, Patricia D. Stephens, Mayor Pro Tem Alejandro Chavez and Mayor Fred J. Ledesma

NOES, Councilmembers: None.

ABSENT, Councilmembers: None.

ABSTAIN, Councilmembers: None.



FRED J. LEDESMA, Mayor

ATTEST:



ADELA P. GONZALEZ, City Clerk



Exhibit A

October 14, 2014

Donald Wilcox, PE
Director of Public Works
City of Soledad
248 Main Street
Soledad, CA 93960

Task Order No. ____
RICK Job Number 17116-D

RE: PROPOSAL TO ASSIST THE CITY OF SOLEDAD WITH IMPLEMENTATION OF THE PHASE II PERMIT REQUIREMENTS FOR 2014-2015 (PERMIT YEAR 2)

Dear Don,

Thank you for the opportunity to continue our consulting services to the City of Soledad regarding the Phase II Municipal Stormwater Permit requirements. The following scope of work was prepared based on the task items identified in the State Water Resources Control Board Water Quality Order No. 2013-0001-DWQ (Phase II MS4 Permit) for the 2014-2015 permit year (Permit Year 2). As part of the City's Stormwater Program, an NOI, Guidance Document, and Permit Year 1 requirements have been developed and completed by our team. As you may know, the Phase II MS4 Permit is a five year permit with numerous tasks required to be developed and implemented each year in order to be in compliance with the Permit. Permit Year 2 is the most difficult in that the majority of the requirements are to be developed during this permit year. Therefore, in order to continue compliance with the MS4 Permit and develop the City Program, the City will need to implement, monitor, and track the relevant Permit Year 1 requirements, while concurrently developing the Permit Year 2 deliverables. The following scope of work includes providing assistance with developing the Permit Year 2 requirements only. However, please note that it is important that the City implement the Permit Year 1 requirements and track those efforts for inclusion in the Annual Report at the end of Permit Year 2. If it is determined the City would like additional assistance related to Permit Year 1 requirements, the RICK team will be happy to discuss those in more detail.

Scope and Fee:

The following scope of work items include direct language from the permit identifying the requirements specific to each task (in italics) for Permit Year 2, followed by the specific scope and approach that the RICK team will provide to assist the City with completion of each task.

1.0 PROGRAM MANAGEMENT ELEMENT (E.6.a)

Scope of Work (E.6.a: Legal Authority):

The City of Soledad is required to review and revise relevant ordinances or other regulatory mechanisms, or adopt any new ordinances or other regulatory mechanisms, to obtain adequate legal authority, to the extent allowable under state or local law, to control pollutant discharges into and from, as applicable, its MS4, and to meet the requirements of this Order. At a minimum, the City shall have adequate legal authority to:

- (a) *Effectively prohibit non-storm water discharges through the MS4. Exceptions to this prohibition are NPDES-permitted discharges of non-storm water and non-storm water discharges in B.3 that are considered non-significant contributors of pollutants.*

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SAN LUIS OBISPO SAN DIEGO RIVERSIDE ORANGE SACRAMENTO BAKERSFIELD PHOENIX TUCSON

- Exhibit*
- (b) Detect and eliminate illicit discharges and illegal connections to the MS4. Illicit connections include pipes, drains, open channels, or other conveyances that have the potential to allow an illicit discharge to enter the MS4. Illicit discharges include all non-storm water discharges not otherwise authorized in this Order, including discharges from organized car washes, mobile cleaning and pressure wash operations.
 - (c) Respond to the discharge of spills, and prohibit dumping or disposal of materials other than storm water into the MS4.
 - (d) Require parties responsible for runoff in excess of incidental runoff to implement the following Discharge Prohibition:
 - 1. Detect leaks (for example, from broken sprinkler heads) and correct the leaks within 72 hours of learning of the leak;
 - 2. Properly design and aim sprinkler heads;
 - 3. Not irrigate during precipitation events; and
 - 4. Manage pond containing recycled water such that no discharge occurs unless the discharge is a result of a 25-year, 24-hour storm event or greater, and the appropriate Regional Water Board is notified by email no later than 24 hours after the discharge. The notification is to include identifying information, including the City's name and permit identification number.
 - (e) Require operators of construction sites, new or redeveloped land; and industrial and commercial facilities to minimize the discharge of pollutants to the MS4 through the installation, implementation, or maintenance of BMPs consistent with the California Storm Water Quality Association (CASQA) Best Management Practice Handbooks or equivalent.
 - (f) Require information deemed necessary to assess compliance with this Order. The City shall only require information in compliance with the Homeland Security Act or any other federal law that concerns security in the United States. The City shall also have the authority to review designs and proposals for new development and redevelopment to determine whether adequate BMPs will be installed, implemented, and maintained during construction and after final stabilization (post-construction).
 - (g) Enter private property for the purpose of inspecting, at reasonable times, any facilities, equipment, practices, or operations for active or potential storm water discharges, or non-compliance with local ordinances/standards or requirements in this Order, as consistent with any applicable state and federal laws.
 - (h) Require that dischargers promptly cease and desist discharging and/or cleanup and abate a discharge, including the ability to:
 - 1) Effectively require the discharger to abate and clean up their discharge, spill, or pollutant release within 72 hours of notification; high risk spill should be cleaned up as soon as possible.
 - 2) Require abatement within 30 days of notification, for uncontrolled sources of pollutants that could pose an environmental threat;
 - 3) Perform the clean-up and abatement work and bill the responsible party, if necessary;
 - 4) Provide the option to order the cessation of activities until such problems are adequately addressed if a situation persists where pollutant-causing sources or activities are not abated;
 - 5) Require a new timeframe and notify the appropriate Regional Water Board when all parties agree that clean-up activities cannot be completed within the original timeframe and notify the appropriate Regional Water Board in writing within five business days of the determination that the timeframe requires revision.
 - (i) When warranted, have the ability to:
 - 1) Levy citations or administrative fines against responsible parties either immediately at the site, or within a few days.
 - 2) Require recovery and remediation costs from responsible parties.

- (j) Impose more substantial civil or criminal sanctions (including referral to a city or district attorney) and escalate corrective response, consistent with its Enforcement Response Plan developed pursuant to Section E.6.c., for persistent non-compliance, repeat or escalating violations, or incidents of major environmental harm.*

The City currently has ordinances in place that address a portion of the listed items above. In addition, we have drafted revisions to the code as part of our Permit Year 1 assignment. Therefore, the RICK team will review the City's Municipal Code and recommend revisions based on the permit requirements listed above that are not already in-place. This task will include close coordination with City staff to determine the appropriate strategy for revising the code.

Fee: \$4,900

2.0 PROGRAM MANAGEMENT ELEMENT (E.6.b)

Scope of Work (E.6.b: Certification):

The City of Soledad shall certify by its Principal Executive Officer, Ranking Elected Official, or Duly Authorized Representative as described in 40 Code of Federal Regulations section 122.22(b) that the City has and will maintain full legal authority to implement and enforce each of the requirements contained in this Order. The City's certification statement shall include the following:

- (a) Identification of all departments within the City's jurisdiction that conduct storm water-related activities and their roles and responsibilities under this Order.*
- (b) Citation of storm water runoff related ordinances, identification of the topics each ordinance addresses;*
- (c) Identification of the local administrative and legal procedures and ordinances available to mandate compliance with storm water-related ordinances and therefore with the conditions of this Order.*
- (d) A description of how storm water related-ordinances are reviewed and implemented.*
- (e) A statement that the municipality will implement enforcement actions consistent with its Enforcement Response Plan developed pursuant to Section E.6.c (to be developed for Permit Year 3).*

The City shall submit in the second year online Annual Report (due October 15, 2015), a statement signed by an authorized signatory certifying the City has adequate legal authority to comply with all Order requirements.

The RICK team will develop the certification statement to include each of the five (5) items above, including providing the required information specific to each item. This effort includes coordination with the City to identify and compile the requested information and to create each narrative explanation. The draft certification will be provided for City review and approval prior to issuing the final certification for City signature and inclusion in the second year online Annual Report. Please note that this scope of work does not include the Annual Report itself.

Fee: \$4,100

3.0 EDUCATION AND OUTREACH PROGRAM (E.7.a)

Scope of Work (E.7.a: Public Education and Public Outreach):

Within the second year of the effective date of the permit, the City shall develop and implement a comprehensive storm water public education and outreach program. The public education and outreach program shall be designed to reduce pollutant discharges in storm water runoff and non-storm water discharges to the MS4 through increased storm water knowledge and awareness in target communities. The Public Education and Outreach Program (PE/PO) shall be designed to measurably increase the knowledge and awareness of targeted audience regarding the municipal storm drain system, impacts of urban runoff and non-storm water discharges on receiving waters, and potential BMP solutions for the target audiences, thereby reducing pollutant releases to the MS4 and the environment.

It is our understanding that the City will contract directly with a separate consultant team (Harris and Associates and Save the Whales) as part of a regional effort among the South Monterey County Cities to comply with this permit requirement. Therefore, this proposal specifically excludes task items that are required under section E.7.a of the Phase II Permit. It is expected that a summary of compliance for this requirement will be prepared by the other consultant team for inclusion in the Year 2 deliverables.

Fee: Not Applicable

4.0 EDUCATION AND OUTREACH PROGRAM (E.7.b.2)

Scope of Work (E.7.b.2: Construction Outreach and Education):

Within the second year of the effective date of the permit, the City shall ensure that all staff implementing the construction site storm water runoff control program are adequately trained. The City may conduct in-house training or contract with consultants. Training shall be provided to the following staff positions of the MS4:

- (a) Plan Reviewers and Permitting Staff - The City shall ensure plan reviewers and permitting staff are qualified individuals, knowledgeable in the technical review of local erosion and sediment control plans, (including proper control measure selection, installation, implementation, and maintenance, as well as administrative requirements such as inspection reporting/tracking and the use of the City's enforcement responses), and are certified pursuant to a State Water Board sponsored program as a Qualified Storm Water Pollution Prevention Plan (SWPPP) Developer (QSD), or a designated person on staff possesses the QSD credential.*
- (b) Erosion Sediment Control/Storm Water Inspectors - The City shall ensure inspectors are qualified individuals, knowledgeable in inspection procedures, and are certified pursuant to a State Water Board sponsored program as either (1) a Qualified SWPPP Developer (QSD); (2) a Qualified SWPPP Practitioner (QSP); or (3) a designated person on staff possesses each credential (QSD to supervise plan review, QSP to supervise inspection operations).*
- (c) Third-Party Plan Reviewers, Permitting Staff, and Inspectors - If the City utilizes outside parties to review plans and/or conduct inspections, the City shall ensure these staff are trained.*

It is assumed that this requirement will be completed by sending staff to a regional training program. Therefore, this scope specifically excludes work associated with this permit requirement.

Fee: Not Applicable

5.0 EDUCATION AND OUTREACH PROGRAM (E.7.b.3)

Scope of Work (E.7.b.3: Pollution Prevention and Good Housekeeping Staff Training):

Within the second year of the effective date of the permit, the City shall develop a biennial employee training program for appropriate employees involved in implementing pollution prevention and good housekeeping practices as specified in Section E.11. Pollution Prevention/Good Housekeeping for Permittee Operations, pursuant to the Phase II MS4 Permit. The City shall determine the need for interim training during alternate years when training is not conducted, through an evaluation of employee Pollution Prevention/Good Housekeeping knowledge. All new hires whose jobs include implementation of pollution prevention and good housekeeping practices must receive this training within the first year of their hire date. The training program shall include the following:

- (a) Biennial training for all employees implementing this program element. This biennial training shall include a general storm water education component, any new technologies, operations, or responsibilities that arise during the year, and the permit requirements that apply to the staff being trained. Employees shall receive clear guidance on appropriate storm water BMPs to use at municipal facilities and during typical O&M activities.*
- (b) A biennial assessment of trained staff's knowledge of pollution prevention and good housekeeping and shall revise the training as needed.*
- (c) A requirement that any contractors hired by the City to perform O&M activities shall be contractually required to comply with all of the storm water BMPs, good housekeeping practices, and standard operating procedures described above.*
- (d) The City shall provide oversight of contractor activities to ensure that contractors are using appropriate BMPs, good housekeeping practices and following standard operating procedures.*

It is assumed that this requirement will be completed by sending staff to a regional training program. Therefore, this scope specifically excludes work associated with this permit requirement.

Fee: Not Applicable

6.0 PUBLIC INVOLVEMENT AND PARTICIPATION PROGRAM (E.8)

Scope of Work (E.8: Public Involvement and Participation):

Within the second year of the effective date of the permit, the City shall involve the public in the development and implementation of activities related to the program. The public participation and involvement program shall encourage volunteerism, public comment and input on policy, and activism in the community. The City shall also be involved in their Integrated Regional Water Management Plan (IRWMP) or other watershed-level planning effort, if applicable. At a minimum, the City shall:

- (a) Develop a public involvement and participation strategy that establishes who is responsible for specific tasks and goals.*
- (b) Consider development of a citizen advisory group (either a stand-alone group or utilize an existing group or process). The advisory group may consist of a balanced representation of all affected parties, including residents, business owners, and environmental organizations in the MS4 service area and/or affected watershed. The City may invite the citizen advisory group to participate in the development and implementation of all parts of the community's storm water program.*
- (c) Create opportunities for citizens to participate in the implementation of BMPs through sponsoring activities (e.g., stream/beach/lake clean-ups, storm drain stenciling, volunteer monitoring and educational activities).*
- (d) Ensure the public can easily find information about the City storm water program.*
- (e) Actively engage in the City IRWMP or other watershed-level planning effort.*

As summarized in Task 3.0, the South Monterey County regional effort for Public Education and Public Outreach will be developed to satisfy and implement these requirements.

Fee: Not Applicable

7.0 ILLICIT DISCHARGE AND DETECTION ELIMINATION (E.9.a)

Scope of Work (E.9.a: Outfall Mapping):

Within the second year of the effective date of the permit, the City shall create and maintain an up-to-date and accurate outfall map. The map may be in hard copy and/or electronic form or within a geographic information system (GIS) the development of the outfall map shall include a visual outfall inventory involving a site visit to each outfall. The outfall map shall at a minimum show:

- (a) The location of all outfalls that are operated by the City within the urbanized area, drainage areas, and land use(s) contributing to those outfalls that are operated by the City, and that discharge within the City jurisdiction to a receiving water. Each mapped outfall shall be located using coordinates obtained from a global positioning system (GPS) and given an individual alphanumeric identifier, which shall be noted on the map. Photographs or an electronic database shall be utilized to provide baseline information and track operation and maintenance needs over time.*
- (b) The location (and name, where known to the City) of all water bodies receiving direct discharges from those outfall pipes.*
- (c) Priority areas, including, but not limited to the following:*
 - 1) Areas with older infrastructure that are more likely to have illegal connections and a history of sewer overflows or cross-connections*
 - 2) Industrial, commercial, or mixed use areas;*
 - 3) Areas with a history of past illicit discharges;*
 - 4) Areas with a history of illegal dumping;*
 - 5) Areas with onsite sewage disposal systems;*
 - 6) Areas upstream of sensitive water bodies;*
 - 7) Areas that drain to outfalls greater than 36 inches that directly discharge to the ocean; and*
 - 8) Other areas that are likely to have illicit discharges**The priority area list shall be updated annually.*
- (d) Field sampling stations*
- (e) The permit boundary*

Submerged outfalls or other outfalls that may pose a threat to public safety and/or that are inaccessible are not required to be inventoried.

The RICK team will utilize the GIS files that are being created as part of the Storm Drain Master Plan (prepared by Schaaf & Wheeler), as well as the Permit Boundary Map prepared by Rick Engineering for the NOI to incorporate the information listed above. An identification system will be developed for the storm drain outfalls and regional retention basins. It is assumed the following will be provided by the City through separate efforts: GIS shapefile with linework of storm drain and outfalls, locations of each regional retention basin, and drainage boundaries to each retention basin and outfall.

The RICK team will provide a GIS shapefile and Map Book of 11x17 PDFs showing all of the above information. Alternatively, or in addition, we would recommend developing and utilizing a GIS-based "Web Viewer," which would enable City staff and the public to access GIS-based information without having ArcGIS licenses (this is not included in the scope and fee at this time).

We will meet with City staff using this information to identify priority areas for each potential pollutant source listed above and incorporate the results into the GIS shapefile, and a narrative to summarize the known information of each area of interest and any planned activities by the City to improve conditions. This will involve close coordination with City staff to determine the high priority areas; including field reconnaissance to evaluate the outfall locations and a representative high priority area.

Fee: \$10,000

8.0 ILLICIT DISCHARGE AND DETECTION ELIMINATION (E.9.b)

Scope of Work (E.9.b: Illicit Discharge Source/Facility Inventory):

Within the second year of the effective date of the permit, the City shall maintain an inventory of all industrial/commercial facilities/sources within the City jurisdiction (regardless of ownership) that could discharge pollutants in storm water to the MS4. The City shall utilize the inventory to identify facilities for inspections of potential illicit discharges. The inventory shall include the following:

(a) Minimum information for each industrial facility/source:

- 1) Facility name;*
- 2) Address;*
- 3) Nature of business or activity;*
- 4) Physical location (decimal latitude-longitude) of storm drain receiving discharge;*
- 5) Name of receiving water and if the facility/source is tributary to a Clean Water Act Section 303(d) listed water body segment or water body segment subject to a TMDL;*
- 6) Incorporation of facility information into GIS is optional.*

(b) At a minimum, the following industrial and commercial facilities/sources shall be included in the inventory.

- 1) Vehicle salvage yards*
- 2) Metal and other recycled materials collection facilities*
- 3) Waste transfer facilities*
- 4) Vehicle mechanical repair, maintenance or cleaning*
- 5) Building trade central facilities or yards*
- 6) Corporation yards*
- 7) Landscape nurseries and greenhouses*
- 8) Building material retailers and storage*
- 9) Plastic manufacturers*
- 10) Other facilities designated by the City or Regional Water Boards to have reasonable potential to contribute to pollution of storm water runoff*

(c) The City shall determine if the facilities that are required to be covered under the Statewide Industrial General Permit have done so. Upon discovering any facilities requiring permit coverage but are not yet permitted, the City shall notify the appropriate Regional Water Board, and include copies of the notification in the online Annual Report.

(d) The City shall update the inventory annually. The update shall be accomplished through collection of new information obtained during inspections and contacts with commercial and industrial facility operators and owners, or through other readily available intra-agency informational databases (e.g., business licenses, pretreatment permits, sanitary sewer hook-up permits, and SMARTS database.

(e) The City shall develop and implement procedures to proactively identify illicit discharges originating from priority areas identified in Section E.9.a.(ii).(c). The City shall implement the procedures to assess priority areas for the presence of illicit discharges at least once over the length of the permit term. The procedures shall include field observations, field screening, inspections, and any other appropriate and effective survey methods. Alternatively, City may establish a self-certification program where City's require reports from authorized parties demonstrating the prevention and elimination of illicit discharges at their facilities in priority areas at least once over the length of the permit term.

The RICK team will develop an inventory for use with identifying and tracking commercial and industrial facilities/sources as identified in 'a' and 'b' above. This includes developing a spreadsheet template for the database (which could then easily be utilized in GIS). Using GIS-based available information, we will cross-reference the SIC codes that apply to each facility against the list of SIC codes requiring coverage under the

Industrial General Permit. Next, these facilities that require coverage will be cross-referenced through SMARTS to determine which facilities have already filed for coverage. A GIS shapefile and table will be provided to summarize this information. RICK will assist the City in preparing a notification letter to the board that will include the table, and a copy of this notification will be used for the Annual Report.

RICK will assist in a support role to help the City identify what new information may come up throughout the year that is relevant to this effort and should be compiled by the City to assist in next year's annual update to the inventory list. It is assumed this support will be a minimal effort, approximately 8 hours of an engineer time.

RICK will develop a set of procedures based on discussion and input from the City, which will outline a strategy to proactively identify illicit discharges from priority areas. An assessment of each priority area is required at least once through the 5-year permit term. Since the number and nature of these areas will only first be developed during this Permit Year 2 effort, it is assumed that only the procedures will be developed for Year 2, with the intent to start assessments in Year 3 to ensure all assessments are complete by the end of Year 5.

Fee: \$8,500.00

9.0 ILLICIT DISCHARGE AND DETECTION ELIMINATION (E.9.c)

Scope of Work (E.9.c: Field Sampling to Detect Illicit Discharges):

Within the second year of the effective date of the permit (e.g. while conducting the outfall inventory under Section E.9.a.), the City shall sample any outfalls that are flowing or ponding more than 72 hours after the last rain event. The City shall also conduct dry weather sampling (more than 72 hours since the last rain event) of outfalls annually identified as priority areas. The City shall:

- (a) Conduct monitoring for the following indicator parameters identified in Table 1 to help determine the source of the discharge. Alternatively, the City may select parameters based on local knowledge of pollutants of concern in lieu of sampling for the parameters listed in Table 1. Modifications and associated justifications shall be identified within SMARTS prior to conducting field sampling as specified in Section E.9.c.(i).

Table 1. Indicator Parameters

Indicator Parameters Used to Detect Illicit Discharges					
Parameter	Discharge Types It Can Detect				Laboratory/Analytical Challenges
	Sewage	Washwater	Tap Water	Industrial or Commercial Liquid Wastes	
Ammonia	●	⊙	○	⊙	Can change into other nitrogen forms as the flow travels to the outfall
Color	⊙	⊙	○	⊙	
Conductivity	⊙	⊙	○	⊙	Ineffective in saline waters
Detergents – Surfactants	●	●	○	⊙	Reagent is a hazardous waste
Fluoride*	○	○	●	⊙	Reagent is a hazardous waste Exception for communities that do not fluoridate their tap water
Hardness	⊙	⊙	⊙	⊙	
pH	○	⊙	○	⊙	
Potassium	⊙	○	○	●	May need to use two separate analytical techniques, depending on the concentration
Turbidity	⊙	⊙	○	⊙	

● Can almost always (>80% of samples) distinguish this discharge from clean flow types (e.g., tap water or natural water). For tap water, can distinguish from natural water.
 ⊙ Can sometimes (>50% of samples) distinguish this discharge from clean flow types depending on regional characteristics, or can be helpful in combination with another parameter
 ○ Poor indicator. Cannot reliably detect illicit discharges, or cannot detect tap water
 N/A: Data are not available to assess the utility of this parameter for this purpose.
 Data sources: Pitt {
 *Fluoride is a poor indicator when used as a single parameter, but when combined with additional parameters (such as detergents, ammonia and potassium), it can almost always distinguish between sewage and wash water.

(b) Verify that indicator parameters, as specified in Table 2. Action Level Concentrations for Indicator Parameters are not exceeded. Alternatively, the City may tailor Table 2 to align with parameters based on local knowledge of pollutants of concern. Modifications and associated justifications shall be identified within SMARTS prior to conducting field sampling as specified in Section E.9.c.(i).

Table 2. Action Level Concentrations for Indicator Parameters

Indicator Parameter	Action Level Concentration
Ammonia	>= 50 mg/L
Color	>= 500 units
Conductivity	>= 2,000 μ S/cm
Hardness	<= 10 mg/L as CaCO ₃ or >= 2,000 mg/L as CaCO ₃
pH	<= 5 or >=9
Potassium	>= 20 mg/L
Turbidity	>= 1,000 NTU

(c) Conduct follow up investigations per Section E.9.d. if the action level concentrations are exceeded.

The RICK team will conduct sampling of up to three (3) outfalls (southeast corner of City, WWTP, and Adobe area), following one individual storm event. The sampling will be performed approximately 96 hours following the end of a storm event (0.5-inch to 1-inch or more storm event), if persistent flow exists. The approach to this will be to have RICK work closely with City staff to conduct sampling for this initial effort, while utilizing City staff to perform visual observations to determine if dry weather flows are actually occurring at one or all of the specified outfall locations prior to conducting the sampling. This will satisfy the requirement to sample any outfalls flowing more than 72 hours after a storm event, while also satisfying the requirement for dry weather sampling of outfalls downstream of priority areas.

The field sampling results will be provided to a certified lab for analysis of the indicator parameters identified above. This scope and fee includes RICK utilizing in-house sampling equipment, including direct expenses for the materials. The laboratory fees will also be passed through as a direct expense, which have been approximated based on past experience for budgetary purposes (unless it is determined that the City laboratory can be used). RICK can also assist in obtaining the required sampling equipment and providing it as a kit that the City can own and utilize going forward (this would be passed through as a direct expense).

In regards to 'c' above, it is assumed that no follow-up investigations will be required; however, a task item for contingency services will be included for the overall contract; therefore, if necessary, follow-up investigations and additional sampling could be provided through those services.

A narrative will be developed that identifies the sampling locations, discusses the occasion that sampling was performed, includes visual observations from any other readily available dry weather observations of no-flow, and a discussion on the results compared to allowable thresholds.

Fee: \$3,900

10.0 ILLICIT DISCHARGE AND DETECTION ELIMINATION (E.9.d)

Scope of Work (E.9.d: Illicit Discharge Detection and Elimination Source Investigations and Corrective Actions):

Within the second year of the effective date of the permit, the City shall develop written procedures for conducting investigations into the source of all non-storm water discharges suspected to be illicit discharges, including approaches to requiring such discharges to be eliminated, and procedures to implement corrective actions (e.g., BMPs). These procedures shall be included as part of the Illicit Discharge Detection and Elimination program. The City may leverage existing inspection procedures and personnel to conduct illicit discharge detection and elimination source investigations and corrective actions. At a minimum, the City shall conduct an investigation(s) to identify and locate the source of any suspected illicit discharge within 72 hours of becoming aware of the suspected illicit discharge. For investigations that require more than 72 hours, the City shall identify the actions being taken to identify and locate the source of the suspected illicit discharge.

- (a) Non-storm water discharges suspected of being sanitary sewage and/or significantly contaminated shall be investigated within 24 hours.*
- (b) The City shall prioritize investigations of suspected sanitary sewage and/or significantly contaminated discharges over investigations of non-storm water discharges suspected of being cooling water, wash water, or natural flows.*
- (c) Report immediately the occurrence of any flows believed to be an immediate threat to human health or the environment to local Health Department.*
- (d) Determine and document through its investigations the source of all non-storm water discharges. If the source of the non-storm water discharge is found to be a discharge authorized under this General Permit, or authorized under another NPDES permit, no further action is required.*
- (e) Corrective Action to Eliminate Illicit Discharge – Once the source of the illicit discharge has been determined, the City shall immediately notify the responsible party of the problem, and require the responsible party to conduct all necessary corrective actions to eliminate the non-storm water discharge within 72 hours of notification. Upon being notified that the discharge has been eliminated, conduct a follow-up investigation and field screening to verify that the discharge has been eliminated using BMPs or some other corrective action. The City shall document its follow-up investigation. The City may seek recovery and remediation costs from responsible parties or require compensation for the cost of field screening and investigations. Resulting enforcement actions shall follow the program's Enforcement Response Plan as specified in E.6.c (to be developed during Permit Year 3).*

The RICK team will develop a narrative set of procedures, building upon the Spill Response Plan developed in Permit Year 1, describing the approach for elimination and corrective actions. This includes discussion with the City to capture and document the existing IDDE measures that are taken by the City, developing additional procedures that can be implemented, and using past examples to determine if existing documentation is sufficient.

The effort will include identifying and documenting procedures for non-storm water discharges. This will include a one day site visit driving around the City to determine what non-storm water discharges are visually evident, if any, and how they compare to allowable non-storm water discharges. A sample notification letter will be developed to assist the City in corrective action measures, specific to notification of the owner/tenant of the source and establishing requirements to eliminate.

Please note that if the City is notified during the year of a non-storm water discharge, it is assumed that the City will contact the responsible party for elimination. The RICK team can be available to respond or conduct a follow-up investigation; however, it is not included under this scope and fee at this time since it is unknown if this will occur.

Fee: \$7,100

11.0 CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM (E.10.c)

Scope of Work (E.10.c: Construction Site Inspection Enforcement):

Within the second year of the effective date of the permit, the Permittee shall use legal authority to implement procedures for inspecting public and private construction projects and conduct enforcement if necessary. The Permittee may leverage existing inspection procedures and personnel to conduct construction site inspections and enforcement.

The inspection procedures shall be implemented to verify compliance with the Permittee's construction site storm water control ordinance. At a minimum, inspections must be conducted at priority construction sites (defined below) prior to land disturbance (during the rainy season), during active construction and following active construction. Construction site inspections shall include assessment of compliance with the Permittee's construction site storm water runoff control ordinance, and other applicable ordinances. A Permittee may propose, for Regional Water Board Executive Officer approval, an alternative approach for construction site oversight, provided the Permittee demonstrates the approach will be equally effective at reducing the discharge of pollutants from construction sites to the maximum extent practicable.

Prior to allowing an operator to commence land disturbance during the rainy season, the Permittee must perform an inspection, to ensure all necessary sediment controls are in place. During active construction, the Permittee shall conduct inspections, based on prioritization of construction sites. Active construction inspections shall include at a minimum: inspection of maintenance of BMPs, effectiveness of BMPs installed and verification that pollutants of concern are not discharged into receiving water bodies.

Prioritization criteria shall be based on project threat to water quality. Project threat to water quality includes soil erosion potential, site slope, projects size and type, sensitivity of receiving water bodies, proximity to receiving water bodies, non-storm water discharges, projects more than one acre that are not subject to the CGP (sites that have obtained an Erosivity Waiver) and past record of non-compliance by the operator of the construction site. Inspection frequencies shall be conducted based on the prioritization criteria described above.

At the conclusion of the project, the Permittee must inspect to ensure that all disturbed areas have been stabilized and that all temporary erosion and sediment control measures that are no longer needed have been removed as required by the local construction site storm water control ordinance.

The Permittee shall use State Water Board SMARTS to submit a summary of the past year activities and certify compliance with all requirements of this program element. The summary shall also address the relationship between the program element activities and the Permittee's Program Effectiveness Assessment and Improvement Plan that tracks annual and long-term effectiveness of the storm water program. If a Permittee is unable to certify compliance with a requirement in this program element see Section E.16.a. for compliance directions.

To support City staff with performing these inspections, RICK will perform a site visit with the City inspectors to evaluate a construction site for compliance with the construction storm water BMP requirements. This will be used as an example for training purposes, it is assumed that the City will conduct all other inspections on their own or as a separate effort. RICK will also assist in identifying the appropriate frequency of inspections required based on the prioritization criteria developed in Permit Year 1, as compared to one or two specific construction projects that occur during Permit Year 2.

The RICK team will also coordinate with the City to draft a summary of the past year's activities specific to this program element, as well as narrative addressing the relationship of this program element to the overall storm water program effectiveness. The certification of compliance will need to be signed by the City, and RICK will assist with submitting the summary to the State Water Board SMARTS system.

Fee: \$5,400

12.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM (E.11.a)

Scope of Work (E.11.a: Inventory of City-Owned and Operated Facilities):

Within the second year of the effective date of the permit, the City shall develop and maintain an inventory of City-owned or operated facilities within their jurisdiction that are a threat to water quality, if applicable.

The inventory shall include all City-owned or operated facilities within their jurisdiction that are potential significant sources of pollution in storm water, including the following if applicable:

- (a) *Airports*
- (b) *Animal control facilities*
- (c) *Chemical storage facilities*
- (d) *Composting facilities*
- (e) *Equipment storage and maintenance facilities (including landscape-related operations)*
- (f) *Fuel farms*
- (g) *Hazardous waste disposal facilities*
- (h) *Hazardous waste handling and transfer facilities*
- (i) *Incinerators*
- (j) *Landfills*
- (k) *Materials storage yards*
- (l) *Pesticide storage facilities*
- (m) *Public buildings, including schools, libraries, police stations, fire stations, City (municipal) buildings, restrooms, and similar buildings (i.e., buildings with a similar potential to be sources of storm water pollution as the examples provided)*
- (n) *Public parking lots*
- (o) *Public golf courses*
- (p) *Public swimming pools*
- (q) *Public parks*
- (r) *Public works yards*
- (s) *Recycling facilities*
- (t) *Salt or de-icing storage facilities*
- (u) *Solid waste handling and transfer facilities*
- (v) *Transportation hubs (e.g. bus transfer stations)*
- (w) *Vehicle storage and maintenance areas*
- (x) *Vehicle fueling facilities*
- (y) *Other (as directed by appropriate Regional Water Board)*

In order to be efficient, this effort will be conducted in conjunction with Task 8.0. A similar approach to what is outlined in Task 8.0 will be followed, while including additional discussion with City staff to confirm each of the above items is identified in GIS throughout the City. This will include a list in spreadsheet form and identification of each location and category within a GIS shapefile. A column will be included for identifying whether the City and RICK team feel these locations are a threat to water quality or not, based on our understanding of the permit intent and existing knowledge of location specific conditions. A similar comparison of SIC codes will be completed for these City-owned or operated facilities. A narrative will be developed to summarize the approach utilized and results.

Fee: \$5,400

13.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM (E.11.b)

Scope of Work (E.11.b: Map of City-owned or Operated Facilities):

Within the second year of the effective date of the permit, submit a map of the area within the permit boundary and identify where the inventoried City-owned or operated facilities are located. The map identifying the location of the inventoried City-owned or operated facilities shall identify the storm water drainage system (e.g., storm water outfalls or other mechanisms in which storm water leaves the site) corresponding to each of the facilities as well as the receiving waters to which these facilities discharge. The map shall also show the facility and the manager of each facility, including contact information.

This task will be performed in conjunction with the previous task, Task 12, and an arrow symbol will be provided identifying which direction each of these locations discharges storm water runoff. A final GIS-based exhibit will be generated showing the City drainage system, major drainage basin boundaries, and storm drain outfalls / retention basins to demonstrate where each facility ultimately drains towards. The GIS shapefile created under Task 12.0 will be utilized to include required contact information identified above for each facility, and a summary table will be provided including an ID #, name of facility, and receiving water/basin, as applicable. RICK will provide the City with an excel spreadsheet of all facilities and a map so the City can enter the manager name and contact information. The City will pass the excel file back to RICK for inclusion in the GIS-based shapefile.

Fee: \$5,100

14.0 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE OPERATIONS PROGRAM (E.11.f)

Scope of Work (E.11.f: Storm Drain System Assessment and Prioritization):

Within the second year of the effective date of the permit, the City shall develop and implement procedures to assess and prioritize MS4 storm drain system maintenance, including but not limited to, catch basins, pipe and pump infrastructure, above-ground conveyances, including receiving water bodies within the City's urbanized area and detention basins. If flood conveyance maintenance is undertaken by another entity, the City shall coordinate with the flood conveyance management entity by year three to assess and prioritize maintenance of the MS4 storm drain system.

The RICK team will utilize the GIS-based storm drain database (prepared by others), in conjunction with the major drainage basin boundaries and general conveyance patterns for this effort. This task specifically includes discussion with the City to identify where past and present maintenance efforts have occurred, including high-frequency maintenance areas. Using this information, RICK will develop a narrative set of procedures outlining the City's MS4 maintenance program. This will also include developing a set of criteria to prioritize these maintenance activities for short-term and long-term O&M efforts. An Operation and Maintenance (O&M) Plan will be developed as part of the narrative. At this time, it is assumed the City is the lead on flood conveyance maintenance for all public systems within the City jurisdiction; therefore, additional coordination with another flood control operator is not included.

Fee: \$6,600

15.0 CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM (E.11.j)

Scope of Work (E.11.i: Landscape Design and Maintenance):

Within the second year of the effective date of the permit, the City shall implement a landscape design and maintenance program to reduce the amount of water, pesticides, herbicides and fertilizers used during City operations and activities. At a minimum, the City shall:

- (a) Evaluate pesticides, herbicides and fertilizers used and application activities performed and identify pollution prevention and source control opportunities.*
- (b) Implement practices that reduce the discharge of pesticides, herbicides and fertilizers. At a minimum the City shall:
 - 1) Implement educational activities for municipal applicators and distributors.*
 - 2) Implement landscape management measures that rely on non-chemical solutions, including:
 - a) Create drought-resistant soils by amending soils with compost;*
 - b) Create soil microbial community through the use of compost, compost tea, or inoculation;*
 - c) Use native and/or climate appropriate plants to reduce the amount of water, pesticides, herbicides and fertilizers used;*
 - d) Practice grasscycling on decorative turf landscapes to reduce water use and the need for fertilizers;*
 - e) Keeping grass clippings and leaves away from waterways and out of the street using mulching, composting, or landfilling;*
 - f) Preventing application of pesticides, herbicides and fertilizers during irrigation or within 48 hours of predicted rainfall with greater than 50% probability as predicted by National Oceanic and Atmospheric Administration (NOAA)20;*
 - g) Limiting or replacing herbicide and pesticide use (e.g., conducting manual weed and insect removal);*
 - h) Prohibiting application of pesticides, herbicides and fertilizers as required by the regulations DPR 11-004 Prevention of Surface Water Contamination by Pesticides enacted by the Department of Pesticide Regulation;*
 - i) Reducing mowing of grass to allow for greater pollutant removal, but not jeopardizing public safety.**
 - 3) Collect and properly dispose of unused pesticides, herbicides, and fertilizers.*
 - 4) Minimize irrigation run-off by using an evapotranspiration-based irrigation schedule and rain sensors.**
- (c) Record the types and amounts of pesticides, herbicides and fertilizers used in the permit area.*

The results of Task 12 will be used to represent these facilities and types of activities relevant to this Task 15 effort. RICK will meet with City staff (i.e. – landscape or parks staff) and/or City contractors to document and describe what is ongoing under item ‘a’ above within City-owned/operated facilities. An educational notice / letter will be developed identifying each of the items under ‘b-2’ above, and attaching readily available information (i.e. – pamphlet/brochure) that provides additional educational backup on proper landscaping and irrigation practices. For item ‘c’, RICK will discuss with the City what information is available to quantify this and will discuss with RWQCB staff how precise this information needs to be. We will have one of our landscape architects assist with a very rough ‘ballpark’ figure of what this number may be; however, the RWQCB may ask for more precision if it’s not already available from the City.

Fee: \$4,500

16.0 POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM (E.12.i)

Scope of Work (E.12.i: Planning and Development Review Process):

The City shall review their planning and permitting process to assess any gaps or impediments impacting effective implementation of these post-construction requirements specified in Section E.12, and where these are found to exist, seek solutions to promote implementation of these requirements within the context of public safety and community goals for land use. The City shall prioritize review of the landscape code (code detailing landscaping requirements and considerations which should be implemented to protect environmental quality) to correct gaps and impediments impacting effective implementation of post-construction requirements.

During Permit Years 1 – 3, the City shall conduct the review using an existing guide or template already developed for MS4s (such as the Municipal Regulatory Update Assistance Program (MRUAP)²⁴ conducted by AHBL, Inc. for the Low Impact Development Initiative (LIDI) on the Central Coast). By the fourth year of the effective date of the permit, any changes to the planning and permitting process will be completed to effectively administer these provisions. Priority shall be placed on review of the landscape code, with the following implementation level.

- (a) Within the first year of the effective date of this permit, the City shall conduct an analysis of the landscape code to correct gaps and impediments impacting effective implementation of post-construction requirements.*
- (b) Within the second year of the effective date of the permit, the City shall complete any changes to the landscape code to effectively administer post-construction requirements.*

A part of the Permit Year 1 task items, we coordinated with the Low Impact Development Initiative and CASQA to prepare the Landscape Code Gap Analysis, as required for Permit Year 1. This effort was prepared using a grant offered by CASQA. The next task is to bridge the gaps identified in the Gap Analysis during Permit Year 2. Therefore, we will coordinate with the consultant who prepared the analysis, AHBL, Inc, to gather recommended revisions to the City's landscape code and assist the City in identifying changes to the planning and permitting process to ensure the impediments are addressed and revised criteria is utilized. This scope is limited to coordination and feedback based on information developed by others. If it is determined that specific updates need to be developed on behalf of the City, then an additional scope and fee can be provided.

Fee: \$1,800

17.0 POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM (E.12.k)

Scope of Work (E.12.k: Post-Construction Storm Water Management Requirements Based on Assessment and Maintenance of Watershed Processes – Resolution No. R3-2013-0032 Section F: Permittee Reporting Requirements):

Note: The following is criteria direct from the Post-Construction Resolution, not the statewide Phase II MS4 Permit.

- (a) *The Permittee shall submit a sample checklist and the number of permits regulated under the Site Design and Runoff Reduction Requirement (No. 1) as part of Stormwater Program Annual Reporting. This information must demonstrate the Site Design and Runoff Reduction Performance Requirement (No. 1) is applied to all applicable projects.*
- (b) *The Permittee shall report the following for all Regulated Projects subject to numeric Performance Requirements (Nos. 2, 3, 4, and 5) in Stormwater Program Annual Reporting:*
 - 1) *The total number of completed Regulated Projects*
 - 2) *The total number of Regulated Projects within each of the following categories of new and/or replaced impervious surface:*
 - a) *> 5,000 and <15,000 (based on Net Impervious Area)*
 - b) *> 15,000 and < 22,500*
 - c) *> 22,500*
 - 3) *A list of which projects were granted each of the following:*
 - a) *Special Circumstances – Highly Altered Channel*
 - b) *Special Circumstances – Intermediate Flow Control Facility*
 - c) *Special Circumstances – Historic Lake or Wetland*
 - d) *Alternative Compliance – Technical Infeasibility*
 - (1) *Performance Requirement No. 2: Water Quality Treatment*
 - (2) *Performance Requirement No. 3: Runoff Retention*
 - (3) *Performance Requirement No. 4: Peak Management*
 - e) *Alternative Compliance – Watershed or Regional Plan*
 - f) *Alternative Compliance – Urban Sustainability Area*
 - g) *Other Technical Infeasibility*
 - (1) *Technical infeasibility to retain the required runoff volume (per Performance Requirement No. 3: Runoff Retention) using Site Design and Runoff Reduction measures*
 - (2) *Technical infeasibility to retain and/or treat the required runoff volume (per Performance Requirement No. 3: Runoff Retention) using retention-based Stormwater Control Measures*
 - 4) *Confirmation by the Permittee that for all Permittee-approved technical infeasibility determinations, the Regulated Project's Stormwater Control Plan adequately demonstrated the basis for the technical infeasibility*
 - 5) *A list of mitigation projects constructed for Alternative Compliance and the following project information:*
 - a) *A summary description of mitigation projects constructed during the reporting period comparing the expected aggregate results of Alternative Compliance projects to the results that would otherwise have been achieved by meeting the numeric Performance Requirements on-site*
 - b) *For public offsite mitigation projects, a summation of total offsite mitigation funds raised to date and a description (including location, general design concept, volume of water expected to be retained, and total estimated budget) of all pending public offsite mitigation projects*

- 6) *Number of Regulated Projects where Field Verification of Post-Construction Stormwater Management Measures was required and was NOT completed*
- 7) *Number of Regulated Projects where the required O&M Plan was NOT submitted/completed*
- 8) *Number of Regulated Projects where Ownership and Responsibility of structural Stormwater Control Measures was not completed*
- 9) *Structural Stormwater Control Measure O&M Database, including elements identified in Section E.3. Tabular spreadsheet data are acceptable.*
 - a) *The Permittee shall provide Central Coast Water Board staff electronic access to the database.*

The RICK team will prepare a plan review checklist for City use in reviewing and approving projects, confirming they meet the requirements of Performance Standard No. 1 - Site Design and Runoff Reduction Requirement. For item '2' above, RICK will develop a tracking spreadsheet that can be utilized to populate each of the required items above as permit applications come in to the City. The storm water requirements applicability checklist and tracking templates developed in Permit Year 1 are a good basis to start this effort, however, the tracking templates will need to be copied and modified specifically to include all the above information. We recommend having one spreadsheet for all Regulated Projects, where any project subject to more than Performance Standard 1 will be required to have all of the above data entered for tracking and submittal in the Annual Report.

This scope and fee includes the development of the checklist and tracking spreadsheet; however, this does not include compiling the data throughout the year or the annual report. RICK will work with the City to identify an initial project example to compile and populate this information as an example that can then be used for future reference for tracking and reporting all other Regulated Projects.

Fee: \$3,600

18.0 WATER QUALITY MONITORING (E.13.c)

Scope of Work (E.11.c: 303(d) Monitoring):

All Permittees that discharge to waterbodies listed as impaired on the 303(d) list where urban runoff is listed as the source, shall consult with the Regional Water Board within one year of the effective date of the permit to assess whether monitoring is necessary and if so, determine the monitoring study design and a monitoring implementation schedule. Permittees shall implement monitoring of 303(d) impaired water bodies as specified by the Regional Water Board Executive Officer.

For the purposes of this scope and fee, the RICK team will coordinate with the Central Coast RWQCB to brief them on the limited amount of the City draining to these impaired waterbodies to assess whether monitoring is necessary. Furthermore, the sampling proposed at the three (3) outfalls will also help provide an indication of the City's MS4 contribution towards pollutants of concern in the river. The outcome will be documented for future reference and inclusion in the permit deliverables. If it is determined that a separate monitoring study is required, then a separate scope and fee will be provided.

Fee: \$1,600

19.0 PROGRAM EFFECTIVENESS ASSESSMENT AND IMPROVEMENT (E.14.a)

Scope of Work (E.14.a: Program Effectiveness Assessment and Improvement Plan (PEAIP)):

The City shall develop and implement a Program Effectiveness Assessment and Improvement Plan (PEAIP) that tracks annual and long-term effectiveness of the storm water program. The PEAIP will assist the City to document compliance with permit conditions and to adaptively manage its storm water program and make necessary modifications to the program to improve program effectiveness at reducing pollutants of concern, achieving the MEP standard, and protecting water quality. The PEAIP shall identify the strategy used to gauge the effectiveness of prioritized BMPs and program implementation as a whole. Prioritized BMPs include BMPs implemented based on pollutants of concern. Where pollutants of concern are unidentified, prioritized BMPs are based on common urban pollutants (i.e., sediment, bacteria, trash, nutrients). The annual effectiveness assessments will help identify potential modifications to the program to ensure long-term effectiveness. The PEAIP may be modeled upon the most recent version (if applicable) Municipal Storm Water Program Effectiveness Assessment Guidance (CASQA, May 2007) or equivalent.

- (a) The PEAIP shall include the following elements, at a minimum as applicable:
 - 1) Identification of overall program goals including pollutants of concern and prioritized BMPs
 - 2) Documentation of the level of implementation of storm water program elements
 - 3) Identification and targeting of target audience(s)
 - 4) Assessment of BMP performance at achieving outcome levels
 - 5) Assessment of pollutant source reductions achieved by individual BMPs
 - 6) Quantification of pollutant loads and pollutant load reductions achieved by the program as a whole
 - 7) MS4 discharge quality, where available, including analysis of the data
 - 8) Receiving water quality data, including analysis of the data
 - 9) Identification of long-term effectiveness assessment, to be implemented beyond the permit term*
- (b) The PEAIP shall assess BMP and program effectiveness in terms of the following Outcome Levels:
 - 1) Storm water program activities
 - 2) Awareness
 - 3) Behavior
 - 4) Pollutant load reductions
 - 5) MS4 discharge quality (where assessment is supported by MS4 discharge quality data)
 - 6) Receiving water conditions*
- (c) The PEAIP shall identify assessment methods for privately owned BMPs.*
- (d) The PEAIP shall identify assessment methods the City will use to quantitatively assess BMP performance at reducing pollutant loads wherever feasible, using the following or equivalent methods:
 - 1) Direct quantitative measurement of pollutant load removal for BMPs that lend themselves to such measurement (e.g., measuring sediment collected through street-sweeping activities);
 - 2) Science-based estimates of pollutant load removal for BMPs where direct measurement of pollutant removal is overly challenging (e.g., removal of heavy metals through a bioswale);
 - 3) Direct quantitative measurement of behaviors that serve as proxies of pollutant removal or reduction (e.g., the percentage of construction sites demonstrated by inspection to be in compliance with permit conditions); or
 - 4) Visual comparison (e.g., using photographs to compare the amount of trash in a creek between one year and the next).*
- (e) The PEAIP shall ask and answer the following Management Questions for prioritized BMPs for which answers to management questions can be based on quantitative data appropriate to the question being answered.
 - 1) Were prioritized BMPs or group of BMPs implemented in accordance with the permit requirements?
The City shall develop quantitative data using the following or equivalent methods:*

- a) *Confirmation – Documenting whether an activity or task has been completed, expressed as positive or negative outcome (i.e., yes or no)*
 - b) *Tabulation – Simple accounting expressed in absolute (e.g., number of people participating), or relative terms (e.g. percent increase in recycled household hazardous waste)*
 - 2) *To what extent did prioritized BMPs or group of BMPs change the target audience’s behavior? The City shall develop quantitative data using the following or equivalent methods:*
 - a) *Surveys or interviews to discern knowledge, attitudes, awareness, behavior of specific population, etc.*
 - b) *Interviews of site personnel to discern awareness and behavior*
 - c) *Inspections or site visits to directly observe or assess a practice.*
 - 3) *To what extent did prioritized BMPs or group of BMPs reduce pollutant loads from their sources to the storm drain system?*
 - (f) *The PEAIP shall include water quality monitoring data, where available, to answer the following long-term management questions, effectiveness of BMPs and the overall storm water program will be assessed in future permit terms.*
 - 1) *To what extent did implementation of the BMP, group of BMPs, or storm water program enhance or change the urban runoff and discharge quality?*
 - 2) *To what extent did implementation of the BMP, group of BMPs, or storm water program enhance or change receiving water quality?*
 - 3) *Did exceedance(s) of water quality objectives or water quality standards persist notwithstanding implementation of the storm water program?*
- The PEAIP shall include documentation of the effectiveness of BMPs implemented to reduce the discharge of pollutants to the MS4 to the MEP and protect water quality.*

The RICK team will prepare the Program Effectiveness Assessment and Improvement Plan (PEAIP) for the City, using the template/guidance provided by CASQA, titled “Municipal Storm Water Program Effectiveness Assessment Guidance (CASQA, May 2007)” or equivalent. The scope of requested information above is quite broad and could result in extensive and costly studies. Our approach will include outlining all of the requested information into the PEAIP and including all available information into each applicable section; however, this scope and fee does not include doing additional studies or sampling. For this initial version, in some cases we may indicate responses such as “unknown”, with additional explanation as to why it is unknown or how/what would be needed in order to obtain an answer.

This effort will include coordination with City staff and the PE/PO consultant (for information on the assessment of Public Outreach related efforts), as well as the RWQCB to discuss where limited to no information is anticipated. It is important to note that the PEAIP is a new program element for the State Water Board and therefore we will coordinate with the State and Regional Water Board to develop a plan that complies with the intent of the Phase II Permit. This plan will be developed towards the end of Year 2 in order to incorporate the results of information gathered in both Year 1 and Year 2, to assess the combined effectiveness to date and baseline for future progress anticipated through the rest of the permit term and beyond. An initial draft will be prepared for City review and input, and then a final report will be prepared.

Fee: \$11,900

20.0 ANNUAL REPORT

Scope of Work:

We will work with City staff to prepare the Annual Report, which covers the permit period of July 1 to June 30, and due October 15. This scope includes answering the questions in SMARTS and uploaded the required documentation. We will also work closely with City staff to prepare summaries for the Permit Year 1 and Permit Year 2 task items.

Fee: \$10,100

Budget



Harris & Associates

Shaping the future, One project at a time.

**Project: City of Soledad –
IMPLEMENTATION OF THE
PHASE II PERMIT
REQUIREMENTS FOR 2014-2015 (PERMIT YEAR 2)**

Task	Description	Department	Civil / Water Resources				Labor Totals	
		Name	Martin	Anderson	Staff	Lopez	Est Task Hours	Est Task Amount
		Project Assignment	Contract Mgmt	WR	Staff	Program Manager		
Project Classification	AE	PEDe	PEDr	Harris and Assoc				
1	PROGRAM MANAGEMENT ELEMENT (E.6.a)		4	12	16	8	40	\$ 4,900.00
2	PROGRAM MANAGEMENT ELEMENT (E.6.b)			4		24	28	\$ 4,100.00
3	EDUCATION AND OUTREACH PROGRAM	N/A - APWA					0	\$ -
4	EDUCATION AND OUTREACH PROGRAM	N/A - APWA					0	\$ -
5	EDUCATION AND OUTREACH PROGRAM	N/A - APWA					0	\$ -
6	PUBLIC INVOLVEMENT AND PARTICIPATION	N/A - APWA					0	\$ -
7	ILLICIT DISCHARGE AND DETECTION		8	40	26	8	82	\$10,000.00
8	ILLICIT DISCHARGE AND DETECTION			30	40	6	76	\$ 8,500.00
9	ILLICIT DISCHARGE AND DETECTION			16	14	4	34	\$ 3,900.00
10	ILLICIT DISCHARGE AND DETECTION		8	24	16	8	56	\$ 7,100.00
11	CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM (E.10.c)			22	16	8	46	\$ 5,400.00
12	POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE			22	16	8	46	\$ 5,400.00
13	POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE			24	16	4	44	\$ 5,100.00
14	POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR PERMITTEE			32	16	8	56	\$ 6,600.00
15	CONSTRUCTION SITE STORM WATER RUNOFF CONTROL PROGRAM (E.11.j)			26	8	4	38	\$ 4,500.00
16	POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM (E.12.j)					12	12	\$ 1,800.00
17	POST CONSTRUCTION STORM WATER MANAGEMENT PROGRAM (E.12.k)		4	14	6	4	28	\$ 3,600.00
18	WATER QUALITY MONITORING (E.13.c)			8		4	12	\$ 1,600.00
19	PROGRAM EFFECTIVENESS ASSESSMENT AND IMPROVEMENT (E.14.a)			56	16	24	96	\$11,900.00
20	ANNUAL REPORT			24		48	72	\$10,100.00
		Total Hrs	24	354	206	182		
		Rate:	\$ 175.00	\$ 120.00	\$ 100.00	\$ 150.00		

* Laboratory Fees for Stormwater Sampling are unknown at this time and not included.

Sub-Total	\$94,500
Reimbursables	\$1,000
Total	\$95,500

TASK ORDER APPROVED BY

Adela P. Gonzalez
ADELA P. GONZALEZ, CITY MANAGER

DATE: 11-09-14

