

**KING CITY**  

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*C A L I F O R N I A*

**City of King**

**National Pollutant Discharge Elimination System (NPDES) Phase II  
Storm Water Management Program**

**FINAL DRAFT**

**January 2009**

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## **1.0 Introduction**

### **1.1 Preface**

This Storm Water Management Program (SWMP) for the City of King has been prepared pursuant to State and Federal requirements for State Water Resources Control Board (SWRCB) Water Quality Order No 2003-0005- DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No CAS000004 Waste Discharge Requirements (DWRs) for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems (Phase II General Permit). The NPDES Phase II permit allows operators of small Municipal Separate Storm Sewer Systems (MS4s) to discharge to waters of the United States in accordance with the terms and conditions set forth in said permit. The SWRCB defines MS4 as a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) designed or used for collecting or conveying storm water; (ii) which is not a combined sewer; and (iii) which is not part of a Publicly Owned Treatment Works (POTW). The SWMP is accompanied by a Notice of Intent to comply with the California NPDES permit for MS4s. This application is included in Appendix B.

This SWMP outlines a dynamic program developed to prevent the discharge of pollutants to the City's storm sewer system to the maximum extent practicable, to protect water quality, and to satisfy appropriate water quality requirements of the Clean Water Act. The SWMP describes actions to be taken over the permit term to minimize impacts to storm water quality and to align current practices and regulations with recommended Best Management Practices (BMPs). Management practices, design guidelines, engineering techniques, and provisions proposed in this document have been selected to meet the requirements of the following six Minimum Control Measures (MCMs) recommended by U.S. EPA:

MCM-1 Public Education and Outreach on Storm Water Impacts

MCM-2 Public Involvement/ Participation

MCM-3 Illicit Discharge Detection and Elimination

MCM-4 Construction Site Storm Water Runoff Control

MCM-5 Post-Construction Storm Water Management in New Development & Redevelopment

MCM-6 Pollution Prevention/ Good Housekeeping for Municipal Operations

Best Management Practices addressing these MCMs have been identified to collectively control the discharge of non-storm water discharges and pollutant constituents into the municipality's separate storm sewer system and are presented in Chapter 4. Measurable goals for each BMP will allow an effectiveness assessment of the progress of the implementation each BMP and SWMP. Through the effectiveness assessment BMPs will be evaluated and modified to ensure the best results for storm water quality. Annual evaluations of BMP programs made under the SWMP will demonstrate and guide the program to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP). Where necessary, revisions to the program will be made to better meet NPDES program goals or to address changes to the general permit.

## **1.2 Background**

NPDES Phase II General Permit is intended to reduce adverse impacts to water quality and aquatic habitats by instituting the use of controls on the unregulated sources of storm water discharges that have the greatest likelihood of causing continued environmental degradation. U.S. EPA considers storm water discharges from MS4s in urban areas "based on the potential to impact water quality due to conditions influencing discharges into their system or due to where they discharge." (General Permit pg 4, paragraph 2) Concentrated development in urbanized areas increases impervious surfaces on which pollutants from human activities settle and remain until a storm event washes them into nearby storm drains. The pollutants may be transported directly to waterways via storm sewer systems and, uncontrolled, may result in impacts to aquatic life, wildlife habitats, aesthetic value, and drinking water or recreational waterways which can threaten public health.

## **1.3 NPDES Phase II Applicability to King City**

A "Small" MS4s is not permitted under a NPDES Phase I and is either automatically designated by EPA due to a location within an urban area or is individually designated by SWRCB or RWQCB due to high population density (1,000 residents per square mile), high population growth (greater than 25% between 1990 and 2000 or expected over a 10-year period), significant contribution to an interconnected MS4, discharge to sensitive water bodies, and/ or significant contribution of pollutants to waters of the United States.

King City's MS4 has been designated by SWRCB or RWQCB-3 in accordance with criteria in the General Permit as a regulated Small MS4 due to high population growth and discharge to sensitive water bodies. King City's MS4 discharges into the Salinas River and San Lorenzo Creek. The Salinas River is listed as a sensitive water body listed for sediment, total dissolved solids (TDS) and chlorides; while the San Lorenzo River is listed for pathogens. The City has also experienced high growth (45.3% over 10 years) and contains areas of high population density, classifying it as an urban cluster, and is therefore subject to supplemental provisions, described in Design Standards of the General Permit (Attachment 4).

## **1.4 SWMP Timeline**

The development and processing of King City's SWMP shall adhere to the following timeline:

July 8, 2008 – City to meet with RWQCB discuss water quality conditions

October 31, 2008 – Received RWQCB comments on Draft SWMP

December 3, 2008 – Finish revising SWMP to address comments

December 10, 2008 – Public Hearing at City Council Meeting

January 5, 2009 – Finish incorporating public comments from Council meeting and submit to RWQCB for review.

January 26,2009 – Water Board Staff post SWMP and table of required revisions for public review

March 28,2009 – Water Board staff responds to public comment and prepares staff report with recommendation and resolution for SWMP approval

April 18,2009 – Water Board staff responds to additional public comments after posting Board Agenda

May 8,2009 – Water Board Meeting in San Luis Obispo

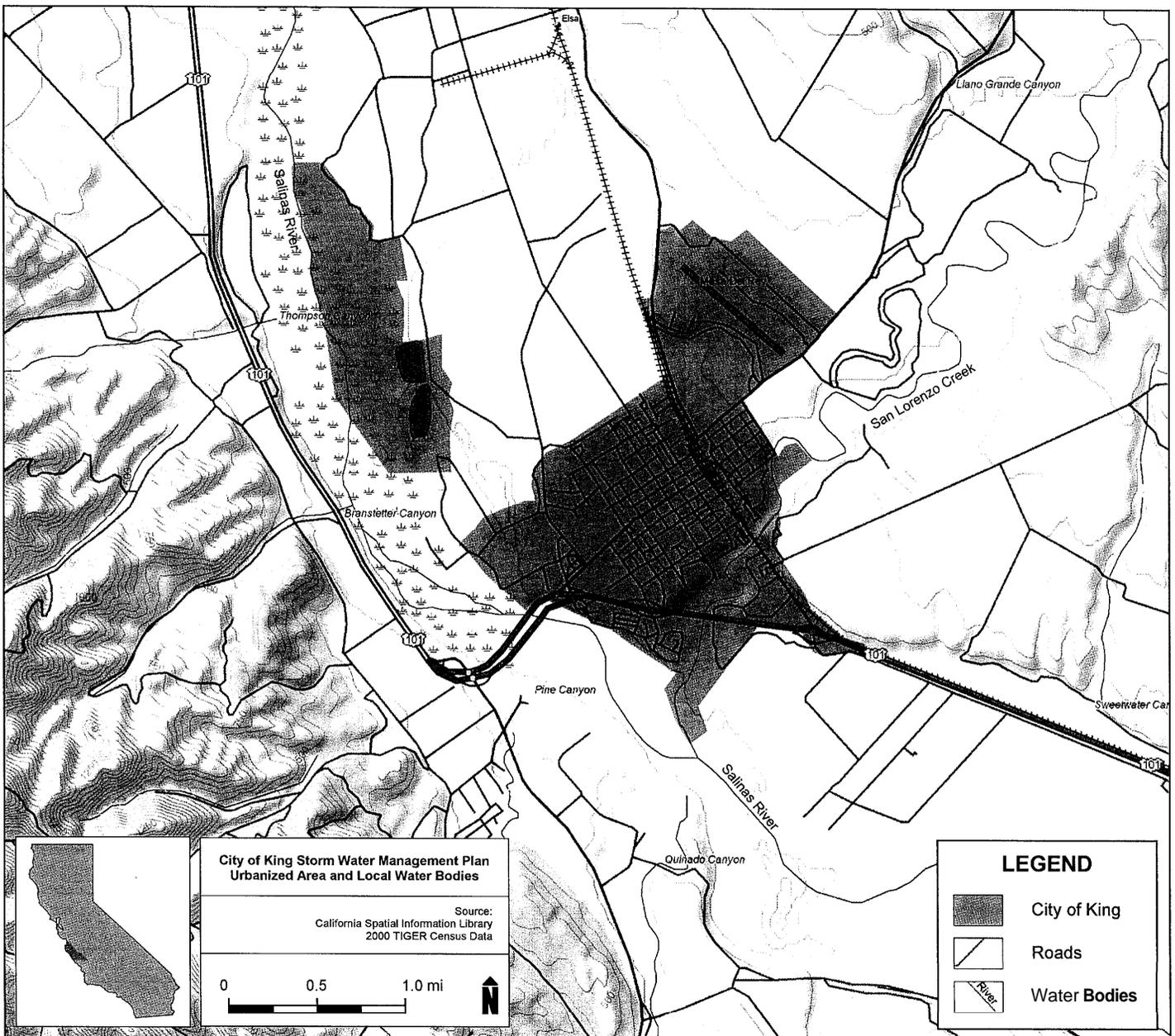
The SWMP starts when it is approved by the RWQCB on May 9,2009 if there is public comment or March 27,2009 if there is no public comment.

## 2.0 City Overview

The City of King (City), one of five incorporated cities in the Salinas Valley, is located 154 miles south of San Francisco along Highway 101 in southern Monterey County (Figure 1). The Salinas Valley is one of the largest agricultural centers in the world and produces the majority of salad greens consumed in the United States.

Most of King City's developed area is on the eastern bank of the Salinas River where San Lorenzo Creek meets the river from the northeast. The incorporated area is approximately 3.7 square miles and the mean elevation is 330 feet above sea level. At King City, the Salinas Valley floor is approximately 5 miles wide, bordered to the west by the Sierra de Salinas and Santa Lucia Ranges and to the east by the Gabilan and Diablo Ranges. King City experiences low annual rainfall, with hot summers and temperate winters, typical of California's inland valleys. Average annual rainfall is approximately 11.3 inches, the majority of which occurs during the winter and early spring. The mean temperature is approximately 59°F with lows averaging 35°F and highs averaging 85°F.

**Figure 1: King City Map**



## **2.1 Population and Growth**

King City has experienced sustained growth over the past 15 years to its current population of approximately 11,000. Population growth between 1990 and 2000 was 48% (U.S. Census Bureau, 2000). In 1998, King City was one of the fastest growing cities in Monterey County with a growth rate of 6.1% (a net growth of 600 residents between 1997 and 1998). The City's 1998 General Plan anticipated an annual growth rate of 4% per year between 2000 and 2005 and estimates growth to 17,200 people by 2010. Due to its high growth rate and growth potential, King City is required to implement Design Standards of the NPDES Phase II General Permit (Attachment 4).

## **2.2 Land Use**

King City's economy is heavily dependent on agricultural and agriculture-related activities in the area; food processing and packaging are the primary sources of employment. Land use is largely agricultural (approximately 23% of total area) and residential (approximately 20%), most of which is low density (14.7%, Table 1). Changes in traffic patterns that dictate property value have been observed in the past 25-30 years and, as a result, retail transactions taking place in the lower western end of the downtown area have been increasing. An existing trend of parcel development for commercial use along Highway 101 is expected to accelerate in the coming years. The majority of Commercial and Industrial land used are located near the downtown area, the Eastern Ranch Business Park, and the Municipal Airport. Automobile-oriented and service commercial development is found throughout retail zones of the city but is particularly prominent along First and Second Street and in industrial areas east of the railroad tracks. Trucking facilities are located in close proximity to the railroad and along Airport Drive and Bitterwater Road.

**Table 1: Land Use Acreage in King City (1995)**

Land Use Category	Number of Parcels	Total Area (ft <sup>2</sup> )	Total Area (acres)	Percent of Total
Agriculture	36	14,311,624.4	328.5	22.7%
Freeway Commercial	22	823,657.2	18.9	1.3%
General Commercial	33	1,502,094.3	34.5	2.4%
Highway Commercial	23	917,108.5	21.1	1.5%
Industrial	40	5,663,784.0	130	9.0%
High Density Residential	62	1,299,373.7	29.8	2.1%
Med. High Density Residential	182	1,419,328.5	32.6	2.2%
Medium Density Residential	124	760,716.1	17.5	1.2%
Low Density Residential	1274	9,296,096.2	213.4	14.7%
Open Space	16	3,573,197.5	82	5.7%
Public-Quasi Public	42	12,502,264.0	287	19.8%
Retail Commercial	96	1,135,091.5	26.1	1.8%
RC-Transitional	9	113,897.9	2.6	0.2%
Vacant	261	9,200,053.9	211.2	14.6%
Unclassified	116	580,519.8	13.3	0.9%
<b>Totals:</b>	<b>2,336</b>	<b>63,098,807.5</b>	<b>1,448.5</b>	<b>100.0%</b>

Source: King City General Plan, Land Use Element, (1998).

## 2.3 Watershed & Drainage Basin

The Salinas Valley Basin extends approximately 150 miles starting at the Salinas River's headwaters, southeast of Santa Margarita Lake, and ending near the river's mouth at Monterey Bay. The Salinas River, flowing northwesterly from the upper watershed in northern San Luis Obispo County, provides drainage for the Salinas Valley Watershed. The La Panza Range bounds the drainage basin in the south, the Santa Lucia Range in the southwest, the Sierra de Salinas Range in the northwest, and the Gabilan and Diablo Ranges in the northeast (Figure 1). The valley principally contains unconsolidated and semiconsolidated continental deposits.

The Salinas River has flow year round, typically below the surface during the dry months when it is regulated by releases from the San Antonio Reservoir and the Nacimiento Reservoir. San Lorenzo Creek, near King City, and Arroyo Seco River (Greenfield) are the river's main tributaries. Other surface waters in the Salinas Valley are intermittent, with flow only in the rainy season. Intermittent tributaries in the King City area are Thompson Creek, Pine Canyon Creek, and Quinado Canyon Creek. Natural vegetation in the foothills of the Gabilan, Diablo, Sierra de Salinas, and Santa Lucia Ranges absorb and slow storm water flow, decreasing erosion and siltation of the Salinas River.

The primary water use in the basin results from agricultural activities, especially north of Greenfield in the prime farmlands and near Monterey Bay. The upper watershed is less cultivated although grains and grapes for wine production are the major crops south of King City. Historically this region has been used mostly for grazing and dry farming. The majority of urban development occurs along the Salinas

River and Highway 101, which transect the Salinas Valley roughly southwest to northeast. These developed areas have experienced significant growth over the past few decades.

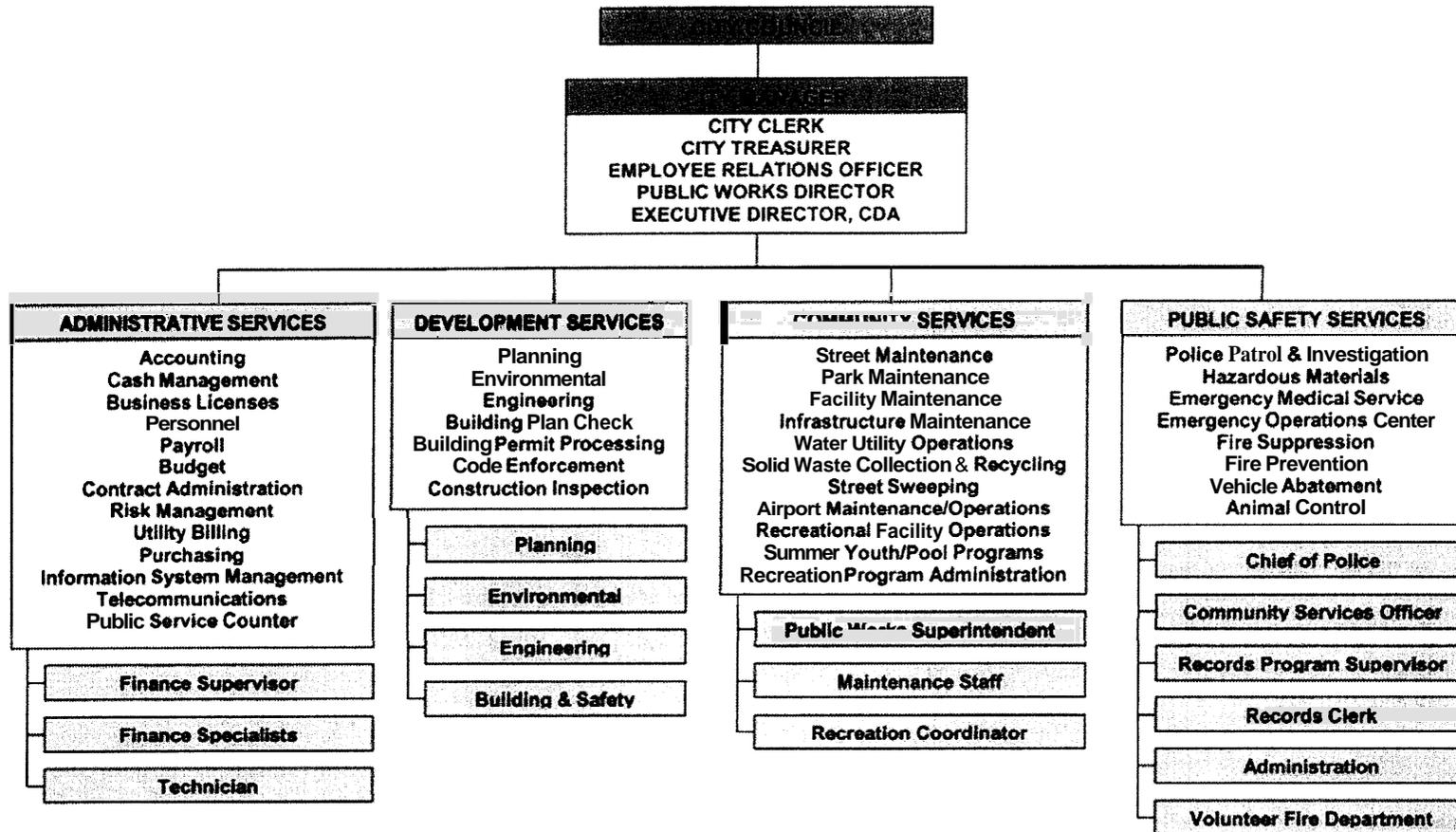
The Salinas River and one of its tributaries, the San Lorenzo River, has been listed in the Clean Water Act's 303(d) list of impaired water bodies. The Salinas River is listed for toxaphene, pesticides, salinity, total dissolved solids (TDS), chlorides, nutrients, nitrates, chloride and sodium; and the San Lorenzo River for pathogens. Impaired water bodies are those waters that do not fully support designated beneficial uses. These water bodies are scheduled for development and implementation of Total Maximum Daily Load (TMDL) requirements, which requires identification of pollutant sources and reduction of loading to restore the beneficial uses of impaired water bodies. For the Salinas River, agricultural and non-point sources are recognized as potential sources of pesticides and salinity, TDS, chlorides and urban runoff, storm sewers/ septic disposal for pathogens in the San Lorenzo River. Construction and development are listed as potential sources for sedimentation/ siltation as well as agricultural and grazing activities. The focus of this SWMP will be siltation and sedimentation, since urban runoff from King City would affect these pollutants. It is assumed that TDS, chloride, and salinity are contributed by agricultural runoff as discussed in the Basin Plan.

### **3.0 City Departments and Coordination for SWMP Implementation**

The City Manager's office will oversee implementation of the SWMP and the coordination of City departments and staff, the RWQCB, the public, and other parties. Organization of the City's departments and officials is summarized in Figure 2. City departments responsible for implementation of particular BMPs are identified in Appendix A. To ensure that permit terms are being met, the City will coordinate with the RWQCB through annual reporting, notifications of noncompliance and/ or illicit discharges, meetings, and other communications. Public meetings, and communication with City offices will allow coordination with city residents and the public.

Legal authority to enforce existing City policy and the future requirements set forth by this SWMP over the 5 year implementation period will be granted to the City through the General Plan, ordinances, regulations, and standard specifications. As part of this SWMP, the City will modify parts of the existing General Plan, ordinances, and other codes to ensure adequate enforcement authority has been established. Review processes, inspections, investigations, and tracking conducted by the City will determine violations and the need for enforcement and corrective action.

Figure 2: City of King Department Organization



## **4.0 Best Management Practices and Measurable Goals**

NPDES Phase II General Permit requires development and effective implementation of a SWMP which contains BMPs addressing six Minimum Control Measures (MCMs) that are expected to achieve significant reductions in pollutants transferred into surface waters via storm water conveyance systems. Each of the following sections describes requirements for one of six MCM, summarizes any existing management practices which contribute to the goals of the MCM, summarizes additional management practices developed to meet requirements of the MCMs, and present measurable goals for each BMP to allow assessment of progress in meeting program goals.

### **4.0.1 Effectiveness Assessment**

#### ***EA-1: Effectiveness Assessment Strategy***

An effectiveness assessment strategy will be developed submitted as an update to the SWMP. The effectiveness assessment strategy will be used to conduct effectiveness assessments included in the annual reports. Overall, the strategy will describe the actions that will be taken to assess the effectiveness of the SWMP conditions. The strategy will specifically address: identification of the processes to be used to conduct effectiveness assessments and improve BMP implementations; identification of quantifiable BMP and program effectiveness measurements; establishment of links between BMP and implementation and improvement in water quality and beneficial use conditions; and assessment of BMP implementation in terms of regulatory compliance, changing awareness, changing behavior, pollutant load reductions, and runoff and receiving water quality.

#### ***EA-1: Effectiveness Assessment Strategy Measurable Goals***

1. Effectiveness Assessment strategy developed for the overall SWMP during the first permitted year and submitted with first annual report. The strategy will be submitted as an update to the SWMP and reports on the effectiveness assessment for each BMP will start with the report at the end of the second permit year.

### **4.1 Public Education and Outreach (MCM-1)**

The goal of MCM 1, Public Education and Outreach (PEO), as defined by the general permit in section D.2.a is to develop and implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies. This shall include the steps that the public can take to reduce pollutants in storm water runoff.

Effective public education and outreach activities targeting multiple audiences including residents, municipal employees, quasi-government agencies, disadvantaged communities, school-aged-children, business and restaurant owners, construction managers and developers will increase awareness of individual responsibilities to protect water quality in achieving a degree of compliance with Phase II General Permit. Audience specific outreach will inform community members of measures that can be taken and activities that should be optimized or avoided to protect storm water quality. Pamphlets and brochures will inform residents, business and restaurant owners, construction managers, and developers

of new regulations pertaining to storm water discharges and how to obtain more information. In general, outreach will be provided through local newspapers, emails list, City's web page and local radio spots.

#### **4.1.1 Modification of Existing Best Management Practices**

##### **PEO-1: City Website**

The City's current website (<http://www.kingcity.com>) provides general facts about the City, information on city departments and programs, and City Council and Planning department agendas. Additionally, the City's website provides a link to the King City Municipal Code which can be viewed online for reference.

Currently, the City's website contains very little information about the storm drain system and storm water pollution prevention. As part of the City's Public education and outreach efforts, additions will be made to the City's web site to include web pages for the storm water program. The storm water web pages will provide a significant service to the City's residents, business owners, developers and construction managers by making information pertinent to each group's activities readily available online. The website will also offer community members information on ways to get involved with storm water protection and encourage public participation in storm water activities and volunteer programs. A summary of upcoming storm water events will be maintained online and updated to provide current information on opportunities for participation (community group volunteer activities, etc.). Additional services pertaining to MCMs 2, 3, 4 & 5 will be provided by storm water web pages such as online comment forms. Procedures for achieving compliance with storm water regulations during various activities (such as construction) will be documented online. An online form will be developed for reporting suspected illicit discharges and concerns regarding potential storm water impacts.

More information on these website services and associated measurable goals are described in PPI-1, PPI-3, PPI-4, IDDE-3, CS-4, and ND-2. Measurable goals for tracking the progress of this BMP are listed below.

##### **PEO-1: City Website Measurable Goals**

1. Storm water program web pages developed to provide information to the public and special interest groups will be added to the City's web site by the end of the first permit year. Visits to the storm water pages will be tracked and reported.
2. Full functionality of the planned storm water web page features including storm water events calendar, reporting comments forms, compliance guidance and special information pages will be achieved by the end of the second permit year (measurable goals pertaining to storm water web page features for MCMs 2, 3, 4 & 5 are included in respective MCM sub-sections in this chapter).
3. Following posting of the storm water pages, monthly updates will be made to the storm water events list and to other sections of the storm water pages as the program changes and additional information becomes available (permit years 3-5).

4. Monthly hits to the storm water events list and other sections of the storm water pages will be tracked to determine reference to the pages and infer interest in storm water material (permit years 2-5). The goal for the first year of the web page is 50 hits with a 10% increase each following year.

The Public Works Department will review and provide updated information to the City Clerk to post on the website monthly. Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

#### **4.1.2 Future Best Management Practices**

##### **PEO-2: Storm Water General Information Brochure**

The City will review other agencies' general storm water program brochure (English and Spanish versions both with pictorial messages) and revise to meet the City's target audiences. Once revised, the City will distribute it to target audiences to provide information on storm water protection and the City's storm water management program. The general brochure will communicate the importance of decreasing impacts to storm water, describe the community's role in storm water pollution prevention and recommend additional reference materials and sources of information for specific community members. Brochures will be distributed via utilities billing to reach each residence and business in the City. Additionally, brochures will be available at City Hall, and the public library. To inform owners of new businesses and developments, brochures will be distributed when a business license is obtained and to developers when approval for new development is granted. General brochures will be available for distribution at public events that City representatives attend.

##### **PEO-2: Storm Water General Information Brochure Measurable Goals**

1. The general storm water program brochure will be developed and ready for distribution in the beginning of the first permit year. The date the brochure is ready will be reported.
2. General storm water program brochures will be distributed with utilities bills once during the first permit year and once per year for each of the following permit years. The mailing date and number of general brochures mailed will be reported annually starting the second permit year.
3. General storm water program brochures will be available and on display at City Hall and the Public Library by the end of the first permit year. The number of general brochures distributed and redistributed to each location will be reported annually starting the third permit year.
4. The number of general brochures distributed with business licenses and development permits will be reported annually starting the first permit year.
5. The number of general brochures distributed at public events and event description will be reported annually starting the first permit year.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### **PEO-3: Storm Water Pollution Prevention Brochures for Target Audiences**

The City will develop informative brochures for target audiences by reviewing existing brochures from other agencies. These brochures are intended to inform each group of their roles in storm water pollution prevention (i.e. proper handling of waste, use and disposal of fertilizers and pesticides, riparian vegetation restoration and protection, disposal of motor oil and household hazardous wastes, etc). Brochures for restaurant operators and businesses based on existing materials from U.S. EPA will inform these audiences of prohibitions on non-storm water discharges and recommend management practices for activities recognized to have potential impacts to storm water quality. Business activities of particular concern include automotive maintenance and repair operations, operations using hazardous chemicals, landscaping, and industrial operations. Development and distribution of audience specific informative and educational materials for other target audiences (school-age children, construction site managers and developers) are described in BMPs PEO-7, CS-6, and ND-2. Each brochure will be in both Spanish and English with the school-age children brochure with pictorial messages.

#### **PEO-3: Storm Water Pollution Prevention Brochures for Target Audiences Measurable Goals**

1. Storm water pollution prevention brochures for restaurant operators will be developed and ready for distribution by the end of the first permit year. The date the brochure is ready will be reported.
2. The City will conduct annual targeted mailings of the storm water pollution prevention brochures to restaurants operating within the permit area by the end of the first permit year (permit years 1-5). The number of restaurant brochures distributed by targeted mailing and dates the brochures are sent will be reported.
3. Storm water pollution prevention brochures for business owners will be developed and ready for distribution by the end of the first permit year. The date the brochure is ready for distribution will be reported.
4. The City will conduct annual targeted mailings of the storm water pollution prevention brochures to businesses within the permit area starting the second permit year (permit years 2-5). The number of business brochures distributed by targeted mailing and dates the brochures are sent will be reported.
5. Storm water pollution prevention brochures for restaurant operators and for business owners will be available and on display at City Hall and the Public Library by the end of the second permit year. The number of each brochure distributed and redistributed to each location will be reported annually starting the second year permit year.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### **PEO-4: Storm Drain Stenciling**

The City will implement storm drain stenciling to inform and remind citizens that the storm sewer system drains to local water bodies (the Salinas River). Storm drains will be prioritized for marking based on traffic in the area and population density, and proximity to the River. Stencil markings on

storm drains will be maintained as needed and storm drain inlets in new developments will be marked following construction (CS-1). A reduction in the amount of trash, motor oil and discharges to the storm sewer system is expected as awareness increases.

***PEO-4: Storm Drain Stenciling Measurable Goals***

1. A stencil design notifying the public of drainage to local water bodies will be chosen during the first permit year.
2. Coordinated with the storm sewer mapping BMP efforts in permit year one (IDDE-4), storm drains in the SWMP coverage area will be prioritized for stenciling based on the potential number of impressions, population density, and risk of illicit discharge by the end of permit year one. Ranking priority for storm drain inlets will be reported.
3. Twenty five percent of initially unstenciled storm drain inlets will be stenciled each year, beginning in the second permit year, until all inlets are marked. The number of stenciled drain inlets will be reported.
4. Storm drain markings will be examined each year (permit years 2-5) during scheduled storm drain inspections (IDDE-5). Storm drains will be re-stenciled as needed.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

***PEO-5: Storm Water Hotline***

The City will establish a hotline number to provide an accessible method of reporting spills and illicit discharge activities. A voice mailbox will be used to record information about reported discharges (including suspected source of discharge, such as construction site, business, residence, etc.) and will be monitored by City staff. City staff will evaluate the nature of illicit discharge reports and proceed with an appropriate course of action. The City storm water web pages, brochures for general and specific audiences, and other storm water program materials will refer to the hotline number for spill/ illicit discharge reporting. By providing a simple and accessible method for reporting spills and suspected discharges, citizens are expected to play an essential role in identifying instances of storm water pollution in the City.

***PEO-5: Storm Water Hotline Measurable Goals***

1. Establish City hotline number for reporting spills and suspected illicit dischargers and develop spill reporting and investigation procedures for personnel reviewing messages before end of the first permit year.
2. Implement illicit discharge reporting hotline and investigation procedures (IDDE-5). Track each spill/ illicit discharge report and all follow-up activities (permit years 2-5). The number of reports and the number of successful interventions resulting from reports made with the hotline will be reported during permit years 2-5 with a goal of 5 calls for the first reporting year and a 10% increase each following year.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### **PEO-6: Storm Water Information Exchange Participation**

The City will participate in storm water information exchange meetings and workshops to discuss storm water pollution prevention, BMP implementation, hydromodification, LID designs and innovative methods of meeting MCM requirements. The City will research existing organizations for participation in storm water information exchange and assess the benefits of forming partnerships for storm water pollution prevention education and outreach activities with these groups. EPA recommends resource sharing and collaboration with other parties to make storm water education activities more cost-effective and to broaden outreach efforts.

#### **PEO-6: Storm Water Information Exchange Participation Measurable Goals**

1. The City will investigate and research opportunities for participation in storm water meetings and workshops and determine potential organizations for partnering during the first permit year. Storm water organizations and pertinent activities will be listed in the first annual report.
2. The City will participate in at least two beneficial storm water pollution prevention collaborative activities each year (permit years 2-5). Summaries of collaborative activities and dates of events will be included in annual reports.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### **PEO-7: Storm Water Education for School-age Children**

To educate school-age children on the importance of pollution prevention and protecting storm water quality, the City will develop an educational program that will incorporate storm water educational materials for elementary school children with presentations by City staff on storm water pollution prevention at local elementary schools. Currently, a total of 1,680 kindergarten through 6th grade students attend the City's two elementary schools. City staff will give short presentations on storm water pollution prevention to students in two grades or age groups (3<sup>rd</sup> and 6<sup>th</sup> grades for example) at each elementary school during assemblies or similar gatherings where the majority of students in each group will be present. Demonstrations and materials distributed to children will be designed to encourage students to take an active roll in storm water pollution prevention and will contain content such as pet waste management, proper handling/disposal of trash, fertilizers, pesticides, motor oil and house hold hazardous waste, automotive activities and clean up programs. Through this program the children will be encourage to educate their parents/guardians which will help educate the adults on these topics. The presentation will offer opportunities to help with volunteer storm water activities such as waterway and drainage area cleanups. The program will also teach children about local aquatic wildlife and the need to preserve aquatic habitats. By presenting children with material that is informative and though provoking, and by providing opportunities for involvement, this BMP is expected to make storm water pollution prevention accessible to a young audience.

***PEO-7: Storm Water Education for School-age Children Measurable Goals***

1. The City will contact local elementary schools and determine school activities or assemblies where a storm water demonstration/ presentation can be made. Progress on coordinating with elementary school staff will be reported in the first annual report. Dates of scheduled assemblies or activities hosting storm water demonstrations/presentations and a summary of planned activities will be reported for the next permit year.
2. The City will develop a storm water handout for distribution to school-age children at storm water presentations and demonstrations (first permit year). The storm water handout will be included in the first annual report.
3. The City will participate in assemblies or similar school gathers at each elementary school to present storm water pollution prevention information to school children (permit years 2-5). Presentations for two age groups or grades (3<sup>rd</sup> and 6<sup>th</sup> grade for example) will be developed and scheduled such that the 80% or more of student in each grade will be in attendance. Information on educational activities and estimations of the percentage of students attending each presentation will be summarized and reported. If necessary, additional presentation events will be scheduled to reach the target percentage of students in each grade or age group at each elementary school.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

## **4.2 Public Participation and Involvement (MCM-2)**

The goal of MCM 2, Public Participation and Involvement, as defined by the general permit in section D.2.b and described in U.S. EPA guidance is to comply with applicable State and local public notice requirements and implement appropriate BMPs to involve the public.

Providing opportunities for citizens to participate in development, implementation and review of the storm water program can increase public support and awareness. Additional resources may become available as community members take an active role in the City's storm water program.

### **4.2.1 Future Best Management Practices**

#### ***PPI-1: Storm Water Program Public Meetings***

The City will hold public storm water program meetings to facilitate public involvement in the storm water program and communicate program requirements and goals. The first meeting will serve to introduce the SWMP to community members, business owners, and developers and allow input from the public. Subsequent meetings will provide updates on the SWMP's progress and allow the City to obtain regular feedback from meeting attendees. Comments from each meeting will be evaluated and, if deemed applicable, will be incorporated into the SWMP or annual report. Information on public storm water program meetings and meeting dates will be posted to the events list on the storm water web pages, emailed to the SWMP email list, and advertised in the local news and radio stations (refer to PEO-1), noticing shall be done in compliance with public notice requirements.

#### ***PPI-1: Storm Water Program Public Meeting Measurable Goals***

1. The City will hold an initial public meeting to present the draft SWMP to City Council members, City Department Staff, business owners, developers, and residents and receive comments (permit year 1). The date of the initial meeting and comments received at the meeting will be reported.
2. The City will hold one public meeting per year to provide information on updates to the SWMP, obtain input for future changes, and request feedback on storm water pollution prevention activities. Community members will be encouraged to get involved with volunteer organizations taking an active role in storm water pollution prevention (permit years 2-4). Meeting dates and meeting summaries will be included in the annual reports.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

#### ***PPI-2: Volunteer Waterway Clean-up Program***

To provide opportunities for community involvement and encourage community groups, such as the Lion's Club, Rotary, Young Farmers, 4-H, and FFA, to take an active role in storm water pollution prevention, the City will implement a volunteer waterway and drainage area clean-up program. The

program will promote storm water awareness and educate participants on the importance of storm water pollution prevention, pollutants of concern and activities impacting storm water quality. By identifying and prioritizing creeks and drainage areas contributing floatable garbage and refuse to the waterways in coordination with the storm drain mapping effort (IDDE-4), the City will be able to focus volunteer resources on problem areas in the permit area. Volunteers will be assigned a drainage area for clean-up or will be allowed to sponsor a waterway and associated drainage areas. The City will conduct orientation for volunteers and present information on local water resources and storm water pollution prevention to educate participating groups before activities take place. The City will provide gloves and trash bags for each event and will arrange for collection of bagged trash when clean-up events are complete.

### ***PPI-2: Volunteer Waterway Clean-up Program Measurable Goals***

1. City staff will identify drainage areas, waterways and storm drains frequently polluted by floating garbage and refuse and report findings including a map of delineated drainage areas and relative priority (high, moderate, or low) for clean-up in the second annual SWMP report (second permit year).
2. The City will identify local groups to participate in volunteer waterway clean-up activities, distribute information to these groups, and contact by phone to offer an opportunity to help the community by collecting litter and protecting local waters (second permit year). The number of organizations will be reported.
3. The City will determine the success of waterway clean-up activities by taking photographs of subject areas before and after cleanup and by recording the number of trash bags filled during a cleanup activity. The number of priority areas served by volunteers will be reported to allow assessment of the program's coverage capacity (permit years 3-5).
4. Interest in the Volunteer Waterway Clean-up Program will be assessed by recording and assessing changes in the number of participants each year (permit years 3-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***PPI-3: Storm Water Program Activities List on Storm Water Web and Other Media Formats***

To notify the public about upcoming opportunities for participation in storm water activities, a list of upcoming events will be maintained online as part of the City's storm water web pages, emailed to the SWMP email list, and advertised in the local news paper and radio. The events list will include dates for meeting, workshops, and volunteer activities. For additional information on the City's storm water program web pages, refer to PEO-1.

***PPI-3: Storm Water Program Activities List on Storm Water Web Pages and Other Media Formats***

1. The City will post information and meeting dates for storm water program meetings to the online events list. The number of events added to the list and the percentage of meetings with notifications posted online will be reported in annual reports (permit years 2-5).
2. The number of visits to the storm water program activities list page will be reported in annual reports to allow assessment of the effectiveness of notification efforts (permit years 2-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

***PPI-4: Web-based Form for Storm Water Program Public Feedback***

The City's storm water web pages will include a web-based form for public comments and suggestions on the City's SWMP and program policies, BMPs, and other storm water related issues. City staff will review form submissions, determine the appropriate course of action, address questions and concerns where applicable, and document actions taken on submissions. For additional information on the City's storm water program web pages, refer to PEO-1.

***PPI-4: Web-based Form for Storm Water Program Public Feedback Measurable Goals***

1. To assess public use of the web-based feedback form the number of submissions from the web-based form will be reported annually (permit years 2-5).
2. Submitted comments and suggestions will be reviewed and categorized to determine the next course of action, if applicable. The percentage of submissions calling for further action and actions taken will be tracked and reported annually (permit years 2-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

***PPI-5: Storm Water Management Program Presentations***

The City staff members who wrote the SWMP and are receiving continuing education through meetings and workshops described PEO-6, will give presentations on the storm water management program to City Council members, City staff, the Chamber of Commerce and community organizations to communicate the importance of storm water pollution prevention. Presentations will include a general message and general storm water management program material for a general audience as well as audience specific content pertaining to each group's activities and roles in reducing impacts to storm water within the City. Community group members will be offered the opportunity to participate in storm water pollution prevention activities like volunteer waterway or drainage area clean-up days. Community groups will be encouraged to come up with volunteer storm water pollution prevention activities for discussion and possible implementation.

### ***PPI-5: Storm Water Program Presentation Measurable Goals***

1. A list of community groups registered with the City will be compiled and representatives from each will be contacted to determine interest in future community storm water activities and education on the City's storm water program and activities. The community groups list will be used to track presentations and involvement with interested community groups. The first community groups list will be completed by the end of the first permit year and will be updated every two years to determine new community groups that may be interested in the storm water program and storm water volunteer activities.
2. The City will prepare general storm water presentation content for use in storm water presentations to community members and City staff. The general presentation will be completed by the end of the first permit year and will be included as an attachment to the first annual report. The general content will be updated every two years to provide information on recent community group activities pertaining to storm water pollution prevention and the storm water program.
3. Beginning in the second permit year, City staff will give storm water program presentations to at least one community group per quarter until presentations have been made to all groups with interest in storm water program activities on the current community groups list. The general presentation will be used as a starting point for presentations tailored to the interests and activities of individual groups. The number of presentations given and follow-up activities and coordination will be reported annually (permit years 2-5). Presentations for City staff with responsibility for implementing storm water program objectives will be given as part of PPI-2 and PP-2.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***PPI-6: Employee Training for Storm Water Programs***

Staff members responsible for implementing various aspects of the SWMP will be trained by the city to ensure an understanding of program goals and requirements. Content from the storm water program general presentation (developed as part of PPI-5) will be modified to focus on regulatory requirements of the NPDES Phase II General Permit and the strategies outlined by this SWMP to meet MCMs.

### ***PPI-6: Employee Training for Storm Water Programs Measurable Goals***

1. The City will prepare a general storm water presentation for storm water program presentations. The general presentation will be completed by the end of the first permit year.
2. Beginning in the second permit year, City staff will give at least one presentation on the storm water program per year to City departments responsible for plan implementation. The general presentation will be used as a starting point for each tailored presentation. Additionally, all newly hired staff members with SWMP responsibilities will receive storm water training as part of training for their new position. The number of storm water program presentations given will be reported annually (permit years 2-5).

3. City staff with SWMP responsibilities will receive update training every two years. The number of staff members receiving training updates will be reported annually (permit years 3-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### **4.3 Illicit Discharge Detection and Elimination (MCM-3)**

The goal of MCM 3, Illicit Discharge Detection and Elimination, as defined by the general permit in section D.2.c and described in U.S. EPA guidance is to develop, implement, and enforce a program to detect and eliminate illicit discharges into the MS4, inform the public of the hazards associated with illicit discharges and improper waste disposal, and address non-storm water flows where they are identified to significantly contribute pollutants to the MS4 (Section D.2.c.6 of the General Permit). The Illicit Discharge Detection and Elimination MCM requires the City to develop a storm drain system map indicating outfall locations and receiving waters of the storm sewer system. Compliance includes adopting an ordinance to prohibit non-storm water discharges into the storm sewer system and implementing appropriate response procedures and actions for such discharges.

Municipal storm sewer systems are not designed to accept or process non-storm water discharges. Thus, pollutants reaching storm drains will likely be conveyed to a local receiving body without treatment. Common sources of illicit discharges include sanitary wastewater, car wash water, laundry water, household hazardous wastes, automobile fluids, paints, and illegally dumped or carelessly discarded materials. Effective management practices for controlling discharges to storm sewer systems and reducing pollutants entering the storm drain system are essential for protection of wildlife habitats and beneficial uses of water bodies.

#### **4.3.1 Modification of Existing Best Management Practices**

##### ***IDDE-1: Illicit Discharge Prohibitions and Enforcement Authority***

The City's Municipal Code includes prohibitions on certain activities with potential impacts on storm water quality. Prohibited activities including inappropriate waste disposal practices and provisions which are preventative of impacts to storm water quality are referenced below.

##### ***Title 7: Peace, safety, and morals:***

*Chapter 7.26 prohibits any activity which results in pollution of water bodies including discharging or dumping any polluting materials to storm sewers or drains in the City's recreational areas.*

##### ***Title 8: Health and sanitation:***

*Chapter 8.12 requires persons in charge or control of any premise within the City to provide properly sized and water-tight garbage receptacles which prevent the escape of contents.*

*Chapter 8.16 prohibits allowing the accumulation of garbage and refuse which can impact health and sanitation within the City.*

*Chapter 8.24 describes City provided collection and removal of garbage, rubbish, and garden refuse from within the City.*

### **Title 13: Public Improvements:**

*Chapter 13.08 prohibits the discharge of specific polluting materials to the City's streets, alleys, and sidewalks.*

### **Title 15: Waters and sewers:**

*Chapter 15.12 describes general regulations pertaining to the City's public sewers, which, by definition includes the storm sewer system. Sections include reference to permitted connection practices and grant the City authority to inspect any property or premises.*

*Chapter 15.16 describes appropriate uses of the City's sewer systems and prohibits polluted water discharges. Section 15.16.070 requires that storm water and unpolluted drainage be discharged to the storm sewer system, combined sewers, or City approved natural outlets. Section 15.16.080 prohibits waters and wastes of specific characteristics to any public sewer. Section 15.16.170 describes permitted swimming pool waters discharge to the City's sanitary sewer.*

The Center for Watershed Protection suggests that clear and effective language should be adopted by Phase II communities to ensure that all potential sources of illicit discharges are prohibited, and that the community has sufficient legal authority to inspect private properties and enforce corrections. Prohibitions of inappropriate waste disposal and application of other existing provisions of the City's current Municipal Code are expected to reduce the occurrence of illicit discharges and pollution of storm water. However, existing ordinances may not adequately address non-storm water discharges to the storm sewer system from non-regulated sources. The City will evaluate existing regulations for improvements to illicit non-storm water discharge prohibition and implement a new ordinance or multiple ordinances to ensure that regulations clearly define and prohibit illicit discharges to the storm sewer system. City regulations will require containment and cleanup of spills/ discharges having the potential to impact the storm sewer system, will grant necessary enforcement authority to inspect suspected illicit discharges and connections, and will outline enforcement measures and penalties.

### **IDDE-1: Illicit Discharge Prohibitions and Enforcement Authority Measurable Goals**

1. City staff will review existing regulations and determine revisions and additional ordinances required to prohibit illicit discharges to the storm sewer system and establish effective enforcement authority. New ordinances will ensure categories of non-storm water discharges or flows listed in Section D.2.c.(6) of the General Permit are addressed as required by the Regional Water Quality Control Board. A matrix summarizing required modifications and additions will be completed before the end of the first permit year to achieve the following:
  - i. Procedures for removing the source of the discharge
  - ii. Adopt and enforce ordinance against illicit discharge (including pet waste)
  - iii. Eliminate all identified illicit discharges and connections

Implementing these regulations will help to reduce POCs such as indicator bacteria (pet waste), TDS and pesticides through eliminating all identified illicit discharges.

2. Proposed changes to City regulations will be processed for adoption before the end of the first permit year.

3. City staff will review and evaluate the effectiveness of the ordinance(s) permit year 3 and 5; update and amend ordinance(s) if deemed necessary.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***IDDE-2: Storm Drain System Maintenance***

Currently, the City's Public Works department maintains storm drains on an as-needed basis, responds to the public's concerns regarding polluting sources, and implements corrective measures. To increase effectiveness of the City's storm drain maintenance activities, the City will incorporate current maintenance practices into new illicit discharge identification, response and tracking procedures (IDDE-5). Regular inspection of the city's storm drains, as part of IDDE-5, will determine problems resulting from natural environmental conditions and normal operation (obstructions due to fallen branches, leaves, or vegetation near outlets). Maintenance conducted by the Public Works department will prevent problems with the City's drainage system from escalating and will ensure proper operation of the storm sewer system.

#### ***IDDE-2: Storm Drain System Maintenance Measurable Goal***

1. The City will coordinate regular maintenance of City storm drains and implement a tracking procedure for storm drain system maintenance. The percentage of all storm drains inspected (in conjunction with IDDE-5), dates of inspection, remedial activities taken, and percentage of problematic storm drain issues remedied will be reported annually (permit years 3-5).

Proposed implementation schedule and parties responsible for implementation of this measurable goal are summarized in Appendix A.

### **4.3.2 Future Best Management Practices**

#### ***IDDE-3: Web-based Illicit Discharge Reporting***

The City will develop a web-based method for public reporting of spill incidents, suspected illicit discharges and concerns for storm water quality. The online illicit discharge reporting form will provide tips to the public for identifying suspected discharges and will prompt users with questions about the discharge of concern to facility identification, response and tracking (IDDE-5). The web page will also provide links to EPA documents concerning illicit discharges for reference and a field for additional comments. To assess the usability and convenience of the online form and improve features, users will be asked to comment on the reporting experience after reporting the discharge of concern. By providing a simple and accessible method for reporting spills and suspected discharges, citizens are expected to play an important role in identifying occurrences of storm water pollution in the City. The web-based form will also be used for submitting concerns for construction site discharges (CS-4).

### ***IDDE-3: Web-based Illicit Discharge Reporting Measurable Goal***

1. The online illicit discharge reporting form will be added to the City's storm water web pages (permit year 2). Visits to the reporting page and the number of reports and resolution of reports by city staff as a result of form will be tracked to evaluate the success of the form.

Proposed implementation schedule and parties responsible for implementation of this measurable goal are summarized in Appendix A.

### ***IDDE-4: Storm Drain System Mapping***

The City does not have a detailed map of existing storm drainage system infrastructure. To facilitate storm drain inspections for identification of illicit discharges, determination of required maintenance, and tracking of remedial and corrective actions on the storm sewer system, the City will develop a storm drain system map which identifies the locations of the City's storm drain infrastructure including outfalls, receiving water bodies within the SWMP coverage area and drainage areas contributing to discharges at outfalls.

#### ***IDDE-4: Storm Drain System Mapping Measurable Goals***

1. Develop implementation plan (document review, surveying) for storm drain system mapping and begin work on the storm drain outfall map (first permit year).
2. Survey and map storm drain system in 25% of the SWMP coverage area each year, beginning with denser areas of the City. Assess mapping progress every six months and estimate the percentage of the entire storm drain system inventoried and mapped (first and second permit years).
3. Storm drain maps will be updated each year (3-5)

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***IDDE-5: Illicit Discharge Identification, Response and Tracking Procedures***

Federal regulations define an illicit discharge as "any discharge to an MS4 that is not composed entirely of storm water..." with some exceptions. These exceptions include discharges from NPDES-permitted industrial sources and discharges from firefighting activities. The City does not have a formal plan for detecting and addressing illicit non-storm water discharges. Currently, the Public Safety Department reports spill and concerns for environmental safety to the Fire Department. The Monterey County Health Department investigates spills and other potential environmental hazards. The City will create a program to comprehensively detect and address non-storm water discharges including illegal connections, illegal dumping and accidental spills from commercial, industrial and residential buildings/sites. The City will also incorporate current efforts by city and county departments to meet the requirements of the Illicit Discharge Detection and Elimination MCM. The updated storm drain system map (IDDE-4) will be used for regular inspections of the City's storm drainage outfalls and to prioritize areas for more frequent inspection based on land use, public access, population density, and past observation of illicit connections to the storm sewer system. Illicit discharges will be tracked and the

plan will include procedures for remediating problems with the storm sewer system identified during regular inspections and as reported through the storm water hotline (PEO-5) or the spill/ illicit discharge reporting form online (IDDE-3). Investigation, inspection, and enforcement corrective actions will be documented and will be used to evaluate the effectiveness of the program.

If any of the authorized non-storm water discharges (except flows from fire fighting activities) are found to cause or contribute to an exceedance of water quality standards or causes or threaten to cause a condition of nuisance or pollution, the discharge must be prohibited. Below is a list of potential non-storm water that could potential affect water quality.

#### NON - STORMWATER CATEGORIES

1. water line flushing;
2. landscape irrigation;
3. diverted stream flows;
4. rising ground waters;
5. uncontaminated ground water infiltration (as defined at 40 CFR §35.2005(20)) to separate storm sewers;
6. uncontaminated pumped ground water;
7. discharges from potable water sources;
8. foundation drains;
9. air conditioning condensation;
10. irrigation water;
11. springs;
12. water from crawl space pumps;
13. footing drains;
14. lawn watering;
15. individual residential car washing;
16. flows from riparian habitats and wetlands; and
17. dechlorinated swimming pool discharges.

Currently the City has no documentation that any of the above listed non-storm water discharges show a serious through to water source. If in the future the City finds any non-storm water discharge to cause harm, the City will implement a program to reduce or eliminate the discharge.

#### ***IDDE-5: Illicit Discharge Identification, Response and Tracking Procedures Measurable Goals***

1. Develop and implement program for detecting and addressing illicit discharges using published EPA documents and guidance manuals. The program will include a summary of areas determined to have high probability for impacts to storm water, an inspection schedule for all of the storm drains in the permit area and a dry weather flow inspection schedule. Procedures for correcting illicit discharges will be developed in accordance with the regulatory framework established for storm water enforcement (IDDE-I). The illicit

discharge identification, response, and tracking program will be reviewed by City departments by the end of the first permit year.

2. Implement program to conduct inspections of businesses for illicit discharges and/or connections. The program will create a list of all businesses in the City and then prioritize the list by the potential for illicit discharges to occur and on reports received by the public.
3. Implement dry weather field screening program. Program will investigate priority locations within the City for evidence of illicit discharges by field test for selected pollutants and conduct source tracking if evidence of an illicit discharge is found.
4. Implement illicit discharge identification, response, and tracking procedures during the second permit year. Track the investigation, inspection, enforcement and corrective action activities. Report the number of storm water issues identified and processed or enforced and assess the effectiveness of the program (permit years 2-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

#### ***IDDE-6: Used Oil Recycling and Hazardous Waste Disposal***

Currently, the City does not provide regular pickup of used oil or household hazardous wastes for residents. Automotive fluids and other hazardous wastes which reach the storm drain through dumping, accidental spillage, or rinsing can result in significant impacts to local waterways receiving storm water drainage. To provide opportunities for appropriate disposal of these potential pollutants, the City will develop and implement a program for periodic collection of these wastes at a centralized location from residents in coordination with services currently provided by Monterey County. Advertising and awareness of pick up services will be done through local newspapers, the City's website and local radio spots. The collection program is expected to reduce the occurrence of dumping of hazardous compounds and demonstrate the importance of proper disposal.

#### ***IDDE-6: Used Oil Recycling and Hazardous Waste Disposal Measurable Goals***

1. The City will determine means of coordinating periodic used oil and household hazardous waste collection from residents at a centralized location for disposal or recycling (1<sup>st</sup> permit year.)
2. A program for periodic collection of used oil and household hazardous wastes from City residents will be developed during the second permit year for implementation during the third permit year. Date of implementation, volumes of oil and hazardous wastes collected, and what type of advertising will be tracked and reported.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***IDDE-7: Illegal Discharge Training and Public Outreach***

In order to successfully detect and eliminate illicit discharges, the City needs the assistance and cooperation of a community educated on illicit discharges and where to report the discharge as well as eliminating the discharge in their own home and business. The City will develop and implement programs to train the City Employees, businesses and residents on how they detect and help eliminate illicit discharges. The training will be tailored to each group, but will generally include information about environmental and health impacts of polluted discharges to city creeks and the regulatory requirements of the NPDES permit.

#### ***IDDE-7: Illegal Discharge Training and Public Outreach***

1. The City will train, or send to a training seminar, its Public Works, Building Parks and Recreation, Police and Volunteer Fire departments with a minimum one hour course annually. The course will include a presentation about proper uses of BMPs for municipal, commercial and industrial uses, illustrations of various illicit discharges and their authority in storm water pollution prevention. The employees will be trained on how to report illicit discharges, where to get information for proper disposal of hazardous wastes, and receive a general overview of various staff roles involved in the elimination of illicit discharges during the second permit year. City staff will take a survey before and after the training session; the number employees and survey results will be reported.
2. The City will develop posters and brochures in conjunction with (PEO-3) for restaurants and automotive repair shops. The city will hand out materials and offer to give a presentation to staff on applicable BMPs and illicit discharges at the beginning of the second year of the permit. The number of business visited, information handed out and presentations made will be reported.
3. The brochures developed under BMP PEO-2 will be handed out to private residents as a complaint is filed against them. The officer responding to the complaint will educate the person on the illicit discharge and give them a brochure for more information during the second permit year. The number of people visited will be reported annually.

#### **4.4 Construction Site Storm Water Runoff Control Minimum Control Measure**

The goal of MCM 4, Construction Site Storm Water Runoff Control, as defined by the general permit in section D.2.d and described in U.S. EPA guidance is to develop, implement, and enforce a program to reduce pollutants in any storm water runoff to the small MS4 from construction activities that result in land disturbance of greater than or equal to one acre. Reduction of storm water discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development. At a minimum, the following must be implemented under the terms of the General Permit:

1. An ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions, or other effective mechanisms, to ensure compliance, to the extent allowable under State, or local law;
2. Requirements for construction site operators to implement appropriate erosion and sediment control BMPs;
3. Requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;
4. Procedures for site plan review which incorporate consideration of potential water quality impacts;
5. Procedures for receipt and consideration of information submitted by the public; and
6. Procedures for site inspection and enforcement of control measures.

EPA finds that during a short period of time, construction sites can contribute more sediment to streams than can be deposited naturally during several decades. Runoff rates from construction sites are typically 10 to 20 times greater than those of agricultural lands, and 1000 to 2000 times greater than those of forest lands. EPA also finds that sediments contributed to storm water from smaller construction sites can be 20 to 150 tons/acre/year higher than those measured at larger sites. The City will modify existing management practices and implement new BMPs to prevent harm to local waterways resulting from construction site sediment yield and other construction site pollutants.

##### **4.4.1 Existing Best Management Practices**

###### ***CS-1: Modification of Existing Ordinances Prohibitions and Enforcement Authority***

Currently, all commercial and industrial remodeling, repair and new construction requires permitting. Construction Plans are submitted for review by the City Planning Director and the Chief Building Official. Permits are issued if plans are in compliance with all necessary building codes and municipal regulations and upon payment of permit and mitigation fees. The City's Municipal Code includes prohibitions on certain activities with potential impacts to storm water quality, prohibited activities include inappropriate waste disposal practices. Provisions which are preventative of impacts to storm water quality are referenced below.

## **Title 12: Building and Construction:**

*Chapter 12.04 describes adopted construction codes and technical provisions from the Uniform Building Code (UBC), the Uniform Plumbing Code (UPC) in section 12.04.080. Amendment 18 of Section 12.04.090 describes amendments to the UBC for runoff management.*

Chapter 12.16, Flood Damage Prevention, describes methods of reducing flood losses and includes provisions which are protective of storm water quality.

The City will revise existing ordinances that address site runoff and associated inspection and enforcement procedures through reference to the Uniform Building Code. Revisions to the ordinance will ensure effective and appropriate use of available erosion and sediment controls, establish legal responsibility and accountability to prevent impacts to storm water quality and progressive penalties for non-compliance. Changes to the municipal code will provide a legal framework for construction site storm water discharge enforcement. Planned changes and additions to the City's Municipal Code are summarized below.

- a. City regulations will be modified such that they clearly require that a Storm Water Pollution Prevention Plan (SWPPP) proposing construction site BMPs for erosion and sediment control be prepared and submitted to the City for review prior to issuance of a grading permit for all construction activities requiring grading or are greater than or equal to 1 acre. Construction site BMPs and storm water management guidelines available in the California Storm Water Quality Association (CASQA) Construction Handbook (or other appropriate reference) will be cited in the new ordinance. Inquires on construction BMPs will be referred to the SWRCB's Storm Water Program web pages. The City will track construction sites for inspection and enforcement to ensure that all sites are accounted for and that BMPs in each SWPPP are being implemented.
- b. Construction operators to control the discharge of construction related materials and wastes (discarded building materials and associated wastes, construction vehicle fluids, concrete truck wash out, litter, etc. as defined by the General Construction Stormwater Permit) will be clearly prohibited in the City's Municipal Code.
- c. The revised ordinance will outline progressive sanctions for non-compliance with construction site storm water regulations.

### **CS-1: Revisions to Existing Ordinances Measurable Goals**

1. City staff will review the existing ordinances and determine any revisions necessary to establish effective enforcement authority and to minimize impacts to storm water resulting from construction activity. City staff will consider using and/or modifying Monterey regional "Model Ordinance and BMP Guidance Series" (found at <http://www.co.monterey.ca.us/msea/Literature/Documents/MRSWMP/Appendix%20E%20-%20BMP%20Supporting%20Materials.pdf>) as a template for the ordinance. Progress on ordinance modifications will be assessed quarterly to ensure it is being revised to match the City's needs and to meet the requirements of NPDES. Necessary modifications will be determined by the third quarter of the first permit year. Proposed changes to City regulations will be processed for adoption by the City Council before the end of the first permit year. Changes will be adopted during the first quarter of the second permit year.

2. City staff will review and evaluate the effectiveness of the ordinance(s) permit year 3 and 5; update and amend ordinance(s) if deemed necessary.

Proposed implementation schedule and parties responsible for implementation of this measurable goal are summarized in Appendix A.

#### **4.4.2 Future Best Management Practices**

##### ***CS-2: Construction Site Plan Review and Tracking Procedures***

The City will develop and implement standardized methods of plan review and tracking using reference materials such as the CASQA BMP handbook. New plan review procedures will streamline existing plan checking efforts by the Planning and Building & Safety Department to ensure that all construction sites in the permit area disturbing one acre or more have drafted and submitted a SWPPP with appropriate BMPs to minimize impacts to storm water. Construction site tracking procedures will be developed and implemented to record progression of construction projects through the permitting process. Before issuance of building and/ or grading permits, the construction site tracking system will be used to verify that an acceptable SWPPP has been submitted, reviewed, and approved, in accordance with recently modified city policy for each site (refer to CS-I). City staff responsible for plan review will be trained (through PEO-6) to determine the efficacy of proposed storm water BMPs with consideration of unique site characteristics and potential impacts to storm water quality.

##### ***CS-2: Construction Site Plan Review and Tracking Procedures Measurable Goals***

1. City staff will draft procedures to standardize and integrate methods of plan review and tracking, for completion by the end of the first permit year. Progress on the plan review and tracking procedures will be assessed and reported during the first and second permit years.
2. City staff will be trained to determine whether submitted SWPPPs and proposed BMPs for individual construction sites are appropriate with consideration of each site's characteristics on an individual basis including the potential water quality impacts. Personnel responsible for review and tracking of grading permit applications and SWPPPs will be trained in new review and tracking procedures by the second permit year.
3. The plan review and tracking procedures will be implemented during the second permit year. The number of construction sites applying for building or grading permits and the percentage of sites disturbing one or more acres with reviewed and approved SWPPPs will be reported annually (permit years 2-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

##### ***CS-3: Construction Site Inspection for Storm Water BMPs***

Inspections for SWPPP BMPs will be conducted for priority construction sites disturbing one acre or more to minimize runoff and storm water impacts from construction related activities. Ranking criteria for prioritizing sites for inspection will be developed and used to maximize available resources by

assessing sites based on project characteristics such as size, location, proximity to waterways, etc. Storm water inspection guidelines will be developed and implemented to ensure storm water BMPs are being properly implemented and maintained according to modified city regulations (CS-1). Inspection staff will be trained in storm water inspection procedures and sites will be inspected according to the new procedures, requirements of the modified City regulations, and ranking priority. Progressive penalties for non-compliance will be enforced as outlined in the modified ordinance (see appendix C).

### ***CS-3: Construction Site Inspection for Storm Water BMPs Measurable Goals***

1. City staff will develop ranking criteria and inspection procedures to prioritize construction sites based on site characteristics and consideration of potential water quality impacts and to allow consistent and regular inspection for storm water BMPs. Ranking of construction sites will begin during the second permit year and will consider all new construction sites. The date ranking criteria is in place and site inspections are conducted according to developed procedures will be reported.
2. City staff will be trained in conducting site inspections for BMPs in approved SWPPPs. Inspection staff will be trained in new inspection procedures by the second permit year.
3. Site inspections will be conducted according to new procedures to ensure implementation and maintenances of approved SWPPP BMPs (permit years 3-5). Enforcement action will be implemented to correct non-compliance with approved SWPPPs and City regulations. The City will inspect no less than 75% of active construction sites disturbing one acre or more annually, according to site priority list. The number of inspections conducted and the numbers of observed and corrected violations will be reported (permit years 3-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***CS-4: Receipt and Consideration of Public Concerns for Storm Water Quality***

Public concern for storm water quality and construction site impacts will be received by the City's web-based illicit discharge reporting form and the City's storm water hotline. The online form, developed for reporting illicit discharges by the public, will allow users to indicate whether or not their submissions pertain to construction site runoff. The City storm water hotline will prompt callers to indicate whether or not their concern pertains to construction activities. Web-based form submissions and hotline messages will be processed as described in the IDDE-3 and PEO-5 sections respectively. By providing a simple and accessible method for reporting spills and suspected discharges, members of the public are expected to play an important role in identifying occurrences of storm water pollution resulting from construction activity within the City.

### ***CS-4: Receipt and Consideration of Public Concerns for Storm Water Quality Measurable Goals***

1. The City's web-based form for reporting illicit discharges will allow users to indicate whether their submitted comments or concerns pertain to construction site runoff. The percentage of comments/ concerns pertaining to construction site runoff will be reported (permit years 2-5).

2. The City's storm water hotline will prompt callers to indicate whether their comment or concern pertains to construction site runoff. The percentage of comments/ concerns pertaining to construction site runoff will be reported (permit years 2-5).

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### **CS-5: Assistance for Construction Managers and Developers**

The City's Engineering Department and Chief Building Official currently assist construction site managers and developers by providing guidance on storm water runoff controls for implementation during construction. City staff will continue to offer this assistance through one-on-one meetings and phone calls and will inform construction site managers and developers of new City regulations pertaining to storm water control requirements at construction sites disturbing one acre or more. To inform construction site managers and developers on city regulations pertaining to storm water pollution prevention, the construction permitting process, construction site runoff controls and resources available for choosing BMPs which are appropriate for their construction activities, the City will develop the *Storm Water Management at Construction Sites* brochure. The brochure will summarize information on regulations and requirements and refer construction site managers/ developers to BMP guides cited in new construction site regulations and recommended by EPA. The brochure will include contact information for City departments that are able to provide technical assistance and answer questions about the new requirements. The brochure will be distributed by City departments, at City Hall and the Public Library, and will be available online. (see ND-2 also)

#### **CS-5: Assistance for Construction Managers and Developers Measurable Goals**

1. The *Storm Water Management at Construction Sites* brochure will be developed and ready for distribution by the end of the third permit year. The date brochures are ready for delivery and the number printed will be reported.
2. The *Storm Water Management at Construction Sites* brochure will be available at the Building Department and the Public Works Department, at the Public Library, City Hall and by mail upon request. The Brochure will also be made available on the City's storm water web pages in a section for construction project reference and information. The dates brochures are made available will be reported. The number of brochures distributed from each location and by mail will be reported annually starting the fourth permit year.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

## **4.5 Post-Construction Management in New Development and Redevelopment Minimum Control Measure**

The goals of MCM 5, Post-Construction Management in New Development and Redevelopment, as defined by the general permit in section D.2.e and described in U.S. EPA guidance are to develop, implement and enforce a program to reduce pollutants in post-construction runoff from new development and redevelopment project by ensuring controls are in place to prevent or minimize water quality impacts. In addition to the above requirements from the EPA, the RWQCB3 is also MS4 to meet the following:

- maximize the infiltration of clean storm water and minimize the runoff volume and rate
- Protect riparian areas, wetlands, and their buffer zones
- Minimize pollutant loading
- Provide long term watershed protection

The City is required to develop and implement strategies which include a combination of structural and/or non-structural BMPs, have a regulatory mechanism which requires implementation of post-construction runoff controls, ensure adequate long-term operation and maintenance of controls, and determine the appropriate BMPs and measurable goals.

Runoff in areas undergoing development or redevelopment has been found to significantly effect receiving waterways by contributing greater concentrations of sediment and chemical pollutants and by decreasing infiltration during storm events, thus increase runoff flows. Planning and design for storm water runoff and pollution prevention considerations prior to development is the most effective approach to minimizing impacts from newly developed and redeveloped sites.

### **4.5.1 Modification of Existing Best Management Practices**

#### ***ND-1: General Plan Land Use Policies***

The City's General Plan contains several land use policies intended to minimize potential impacts to waterways at the planning stage which includes the following sections:

- 1.1 - Beneficial Land Uses – Promote beneficial land uses through effective planning and zoning practices.
- 1.2 - Adequate Services – The City shall assure that adequate services and facilities are or will be available within a reasonable time.
- 7.1 - Planned Development – Assure that development policies and regulations for larger properties in strategic locations will generate land uses, site plans, and building designs that reflect high quality and strong urban design.

- 8.7 - Provide for adequate surface drainage throughout the City. Reduce the risks and damage associated with flooding within the City by developing and maintaining a comprehensive storm drainage system.

Although the existing General Plan policies do not adequately identify methods for the protection of storm water run-off quality, this SWMP contains several BMPs designed to address this issue. These BMPs include requirements that will implement standards and adopt new ordinances intended to protect the quality of storm water (IDDE-I, CS-I, ND-3, and ND-4), develop guidance documents to aid in the design of appropriate construction site BMPs (CS-5), and develop standards for design to be integrated with new development plans (ND-2).

The City intends to update their General Plan in the next 3 to 5 years. However at the end of the year one, the City is required to implement the land use criteria to address the bulleted items listed above. During the development of the land use criteria the City will review the General Plan and create amendments as necessary to integrate storm water management control measures into all aspects of land use planning, development and post construction to protect health watersheds and to define future growth so that it will protect watersheds. The amendments will be incorporate in to the General Plan when updated.

***ND-1: General Plan Land Use Policies Measurable Goal***

1. The City will develop new land use policies consistent with the goal of protecting storm water quality and created amendments, if required, to the General Plan (permit 1<sup>st</sup> quarter of year 2). The General Plan amendments will be sent in the annual report to the Water Board.
2. During the General Plan update, City will incorporate any General Plan Amendments to the General Plan. During permit year 5 the City will review the General Plan and add or amend policies to protect storm water Quality.

Proposed implementation schedule and parties responsible for implementation of this measurable goal are summarized in Appendix A.

***ND-2: Outreach and Technical Assistance for Developers and Designers***

The City's Public Works Department and Chief Building Official currently assist developers and designers by providing guidance on storm water runoff controls for incorporation into new developments. City staff will continue to offer this assistance and will inform developers and designers of new City regulations pertaining to storm water control requirements and design standards for new development and redevelopment projects disturbing one acre or more. The City will also develop the *Storm Water Managementfor Development Projects* brochure which will contain information on the new requirements for storm water controls and low impact development (LID) techniques. The brochure will refer developers and designers to the *Storm Water Standards and BMPs Manual* as a guide to meet the requirements of new regulations and will include contact information for City departments to provide technical assistance and answer questions about the new requirements (see ND-3 below). The brochure will be distributed by City departments, at City Hall and the Public Library, and will be available online. (see CS-5 also)

***ND-2: Outreach and Technical Assistance for Developers and Designers  
Measurable Goals***

1. The Storm Water Management for Development Projects brochure will be developed and ready for distribution by the end of the third permit year. The date brochures are ready for delivery will be reported.
2. The Storm Water Management for Development Projects brochure will be available at the Building Department and the Public Works Department, at the Public Library, City Hall and by mail upon request. The Brochure will also be made available on the City's storm water web pages in a section for development project reference and information. The dates brochures are made available will be reported. The number of brochures distributed from each location and by mail will be reported annually starting the fourth permit year.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

**4.5.2 Future Best Management Practices**

***ND-3: Storm Water Standards and BMPs Guidance for Development Projects***

The City will review technical criteria, design standards, and control strategies for development projects available in regional, state, and federal guidance documents to compile a Storm Water Standards and BMPs Manual. The compiled manual will include design standards of Attachment 4 of the General Permit and required structural and non-structural BMPs with reference to existing manuals. Technical criteria for BMPs will consider the amount of impervious area within sites, the amount of runoff, pollutant characteristics for various project types, and proximity to receiving water bodies. Guidance for design and plan review will include checklists and other material available in published manuals. The Storm Water Standards and BMPs Manual will serve as a guidance document for developers, contractors, and owners for design, implementation and long-term operations and maintenance of storm water control strategies and will be used by the City's development plan review staff for conditions of approval and to determine if the project's BMPs and design meets the standards in Attachment 4 and the City's ordinance.

***ND-3: Storm Water Standards & BMPs Guidance for Development Projects  
Measurable Goals***

1. Technical criteria, design standards, BMP control strategies, and guidance on design, implementation, soil types, long-term operation and maintenance will be compiled into the Storm Water Standards and BMPs Manual by the end of the second permit year.
2. Guidance for plan review staff will be developed and incorporated with the Storm Water Standards and BMPs Manual by the second quarter of the third permit year.
3. City will survey users of Manual and revise the Manual to make it more user-friendly.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

#### ***ND-4: Storm Water Ordinance for Development Projects***

The City will develop, adopt, and enforce an ordinance to address infiltration, runoff rate and volume control, and watershed protections from new development and redevelopment disturbing one acre or more as required by the NPDES Phase II General Permit and from development categories subject to "Attachment 4" design standards. The ordinance(s) applies to discretionary development and redevelopment projects of the following types:

- Single family hillside residences
- 100,000 square foot commercial developments
- Automotive repair shops, retail gasoline outlets, restaurants
- Home subdivisions with 10 or more housing units
- Parking lots of 5,000 square feet or more with 25 or more parking spaces and potentially exposed to storm water runoff

The ordinance(s) will address the following State's minimum design standards:

- Peak storm water runoff discharge rates
- Natural area conservation (cluster development, limit clearing, maximize trees, establish a 30' or greater buffer for riparian areas and wetlands)
- Minimization of storm water pollutants of concern
- Protection of slope and channels
- Storm drain stenciling and signage
- Design of outdoor storage areas
- Design of trash storage areas
- Ongoing maintenance verification
- Structural or treatment control BMPs

Special project categories described in "Attachment 4" will be required to implement design standards contained therein. The ordinance(s) will grant necessary enforcement authority to the City and outline progressive sanctions for non-compliance. The existing fee system will be evaluated and updated as part of the revisions to City ordinances.

#### ***ND-4: Storm Water Ordinance for Development Projects Measurable Goals***

1. Post-construction measures meeting the requirements of the General Permit and Regional Board will be compiled and compared to the City's current policy to determine consistency with existing land development and redevelopment regulations and necessary modifications or additions.
2. The City will review other jurisdiction's non-compliance enforcement programs or escalating fines. Sanctions for enforcement will be developed and included in the ordinance and amendments to ensure BMPs to meet Attachment 4 standards are incorporated into the designs, built and maintained. All changes will be proposed for adoption by the end of the first permit year. The dates development and redevelopment design standards are proposed for adoption will be reported.
3. Changes will be adopted by the end of the first permit year and submitted to the regional board in the annual report.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***ND-5: Plan Review, Inspection & Tracking for Development Projects***

Procedures will be developed for reviewing development plans for BMPs and criteria outlined in the Storm Water Standards and BMPs Manual and required by the Storm Water Ordinance for Development Projects. A database will be used to track BMPs and control parameters such as control type, applicable design criteria, target constituents, and maintenance schedules proposed in development plans. During site inspections the database will be used to confirm implementation of BMP and controls as proposed in approved development plans. Using the tracking database, inspection staff will confirm implementation of proposed control strategies. Long-term operation and maintenance according to plans will be confirmed during subsequent inspections.

#### ***ND-5: Plan Review, Inspection & Tracking for Development Projects Measurable Goals***

1. Development plan review procedures and the BMP tracking database, to be used by plan review and inspection staff, will be implemented by the second quarter of the second permit year. The procedures will include review of both the overall design of the project and BMPs to ensure they will be effective at removing POCs.
2. All inspection staff will be trained in procedures for conducting site inspections for storm water controls and use of the tracking system by the end of the second permit year.
3. The number of submitted plans in compliance with design standards will be reported for the second permit year (see ND-3 & 4).
4. Inspections of no less than 75% of new development and redevelopment sites will be conducted during construction to verify that BMPs proposed in approved plans are constructed (CS-3), upon completion as part of site qualification for Notice of Termination, and following construction (possibly during the rainy season) to ensure proper operation and maintenance of BMPs. Inspections, violations and corrective actions taken will be tracked, summarized and reported (beginning permit year 2).
5. To assess the expedience of the tracking system, plan review and inspection staff will be asked to comment on the tracking system and offer ideas for improving the system. Shortcomings of the tracking system and changes made to improve the system will be reported for permit year 5.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

### ***ND-6: Implementation of Hydromodification***

King City will develop long term hydromodification standards to comply with Attachment 4. The standards will address numeric criteria for controlling runoff volume and rates; numeric criteria for

stream stability; applicability criteria; performance criteria for control BMPs; inspection program for maintenance of control BMPs; and hydromodification and LID education for municipal staff. The City will work closely with the Water Board and other agencies to develop and implement standards. Once developed, the City will educate the design review and inspection staff on the hydromodification and LID standards.

The City will develop and implement interim hydromodification to be used as the temporary standards until the long term standards are developed. If the City does not develop interim hydromodification standards by the end of year one, the City will adopt the following criteria from the RWQCB-3:

- For new and redevelopment projects, Effective Impervious Area shall be maintained at less than five percent (5%) of total project area.
- For new and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, the post-construction runoff hydrographs shall match within one percent (1%) the pre-construction runoff hydrographs, for a range of events with return periods from 1 year to 10 years.
- For projects whose disturbed area exceeds two acres, preserve the pre-construction drainage density (miles of stream length per square mile of watershed) for all drainage area serving a first order stream or larger, and ensure that post-project time of concentration is equal to or greater than pre-project time of concentration.

#### ***ND-6: Implementation of Hydromodification Measurable Goals***

1. Develop interim hydromodification criteria standards to be approved by the RWQCB-3 by the end of the first permit year. Implement and train staff on the interim criteria standards and LID by holding a workshop for the City's design, design review and inspection staff (beginning of second permit year).
2. Hold workshop to gain feedback from citizen's, development community and City Staff on interim hydromodification criteria and LID practices (end of permit year four). Evaluate comments and incorporate into long term hydromodification criteria for the City to be implemented by end of year 5.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

## **4.6 Pollution Prevention<sup>1</sup> Good Housekeeping of Municipal Operations Minimum Control Measure**

The goal of MCM 6, Pollution Prevention/ Good Housekeeping of Municipal Operations, as defined by the general permit in section D.2.f and described in U.S. EPA guidance is to develop and implement an operation and maintenance program. The program shall include a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations and to use available training materials from the U.S.EPA, the State, and other organizations. The program will also include employee training focused on preventing and reducing storm water pollution from activities such as park and open space maintenance, fleet building maintenance, new construction and land disturbances, and storm water system maintenance.

The Pollution Prevention/Good Housekeeping for municipal operations requires the small MS4 operator to examine and alter activities to ensure a reduction in pollution that collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and resulting from actions such as development and flood management practices or poor maintenance of storm drain systems. Long-term maintenance of BMPs and periodic updates to training programs and waste disposal/ recycling programs will ensure resulting benefits of reduced impacts to local waterways from polluted runoff and reduced expenses associated with repair of damage caused by infrequent maintenance and upkeep.

### **4.6.1 Modification of Existing Best Management Practices**

#### ***PP-1: City Facility Upkeep***

The City's Public Works department currently oversees and performs regular upkeep of City facilities. In the downtown area, street sweeping is conducted on a daily basis year round. For other areas, sweeping is conducted for all streets on a weekly basis during the windy season and every other week during the rest of the year. Public garbage receptacles are emptied three times per week, turf/ ground cover maintenance is performed every three months and detention basins are maintained twice annually. Before the start of the rainy season, roughly 75% of the City's catch basins are clean out by machine and hand. The catch basins are then rechecked during a rain event and clean if necessary. The City parks are fertilized and sprayed with round up a maximum of once per year during the dry season. The City Police and Public Works department inspect the vehicles and yard weekly for trash and vehicle leaks. The City's vehicle fleet is currently washed on an as needed basis at either City's wash racks which drain to sewer or private car wash facilities. These regular upkeep practices contribute to storm water pollution prevention by removing potential pollutants from public facilities. The City will continue to provide these services and, as part of the PP-2 BMP (described below), will survey these activities, and others to determine ways of improving current activities and minimizing impacts to storm water quality.

#### ***PP-7: City Facility Upkeep Measurable Goals***

1. The City will continue to provide regular upkeep and maintenance for facilities to prevent impacts to storm water quality (and POCs) resulting from improperly disposed wastes, street litter, expired vegetation, and accumulations in detention basins. The City staff conducting

upkeep and maintenance activities will record amounts of wastes and dirt recovered (weight or volume) and the dates upkeep activities are conducted (permit years 1-5).

2. Periodic inspections will be conducted by the Public Works Superintendent to confirm upkeep activities are being conducted to minimize storm water pollution prevention. Inspections will be conducted quarterly, one of which will be conducted in anticipation of the rainy season (permit years 1-5). Observations from each inspection and corrective action taken including follow up inspections will be used to prioritize and the hot spots for inspection. Observations from each inspection be recorded and reported annually.

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

#### **4.6.2 Future Best Management Practices**

##### ***PP-2: Storm Water Pollution Prevention for City Activities***

The City will continue or implement the required BMPs and good housekeeping techniques for municipal activities as stated in Appendix A. Personnel training will be conducted by department lead staff to introduce changes in maintenance activities and to discuss BMP implementation. Guidelines for department activities will be distributed for reference. Periodic inspections will be conducted to confirm implementation of BMPs, and evaluate the effectiveness of pollution prevention efforts within each department.

Once this required BMPs and good housekeeping techniques are in practice, the City will continue to survey municipal activities for impacts to storm water and modify programs to incorporate new or more effective storm water pollution prevention techniques. Surveys of City departments will be conducted to determine activities contributing pollutants to runoff which can be modified to minimize impacts. New BMPs for activity categories, that have not been addressed with the required BMPs, will be selected by reviewing available local, state, and federal manuals will be researched and evaluated for implementation by City departments to achieve a reduction in storm water impacts associated with the services each department provides. Once appropriate BMPs have been determined for each department, BMP guidelines specific for each department's activities will be developed. Training, implementation and inspection as stated above will repeated for each new BMP.

##### ***PP-2: Storm Water Pollution Prevention for City Activities Measurable Goals***

1. Required BMPs procedural guides and training materials for each department, in addition to the general storm water program presentation content (PPI-5) will be ready for use and implementation by the end of the first permit year. BMPs to be implemented by each department will be summarized and reported. The municipal employees will be trained, at minimum, on the following topics: proper vehicle washing; park and open space maintenance; fleet and building maintenance; new construction and land disturbances; bridge and street paving and striping activities; storm water system maintenance; and hydromodification and LID requirements (ND-2, ND-5, ND-6)

2. Personnel training will be completed by the beginning of the second permit year. Percentage of employees in each department with responsibility to implement storm water pollution prevention BMPs will be reported.
3. Implementation of BMPs for City departments will begin by the end of the second permit year. BMPs shall include: hazardous materials business plan; municipal landscaping and lawn care; discharge of swimming pool to sewer; proper disposal of motor oil and filters; stencil all storm drain inlets in municipal yards; and store materials, waste and vehicles under covered areas when possible. Progress of each department in implementing BMPs will be assessed and reported.
4. An inspection schedule will be developed and inspections for storm water pollution prevention BMPs will be conducted during the third permit year to ensure continued operation and maintenance. Inspection will include the public works corporation/maintenance yards, public facilities, structural and non-structural stormwater controls and wet weather re-inspection of problem areas. Summary of the quantity of the City inspected and cleaned, number of facilities inspected and cleaned, observations, success implementing BMPs, and changes to BMPs, additional staff training, or other corrective action will be reported annually.
5. City departments will review and survey department activities and implemented BMPs to assess capacity of each to meet future storm water objectives as a department. New or improved BMPs, if any, will be researched, implemented and inspected and reported each year as necessary. (year 3-5)

Proposed implementation schedule and parties responsible for implementation of each measurable goal are summarized in Appendix A.

## **5.0 Reporting and Evaluation**

Assessment of the SWMP and tracking of BMPs/ measurable goals will be conducted to ensure effectiveness of storm water management practices as required by the General Permit. Annual Reports will summarize progress made in BMP implementation, evaluate the effectiveness and appropriateness of BMPs, summarize activities planned for the next reporting cycle, and propose any changes to the SWMP. Progress in BMP implementation will be determined by evaluating if measurable goals for each BMP have been achieved as outlined in the SWMP. For ongoing BMPs such as public participation, the amount of participation (number of people attended, flyers pick up, etc) will be reported on. Data for BMPs with measurable goals which include quantifiable assessment parameters will be included as noted for applicable BMPs. Through monitoring and reporting the City will obtain feedback that will allow continued improvement of the City's storm water management activities and, where appropriate, the City will update BMPs and measurable goals to prevent storm water quality impacts to the maximum extent practicable.

### **5.1 Reporting Methodology**

A reporting system will be developed to track implementation of BMPs, organize implementation schedules for City departments and parties with SWMP responsibilities, provide an opportunity for assessment and feedback on BMP activities, track achievement of measurable goals and record assessment parameter data associated with each applicable measurable goal. Assessments of BMP effectiveness, consolidated observations, data, and recorded achievements will be used for annual reporting on the SWMP. Either State developed guidance on SWMP reporting and the suggested Annual Report Form for operators of small MS4s or a similar means of program evaluation and reporting will be used to satisfy the annual reporting and monitoring requirements of the general permit. Summaries of measurable goal status, associated data, progress reporting, and proposed changes to the SWMP will be presented with the goal of presenting the status of the SWMP clearly and concisely.

### **5.2 Additional Reporting for Noncompliance**

Beyond regular annual reporting, instances of non-compliance with the Phase II General Permit will be reported to the RWQCB within 30 days to identify any non-compliance event and assess the impacts the event may have caused. A summary of corrective action(s) necessary to achieve compliance and a schedule for implementation of corrective action(s) will be included in the report.

## **6.0 Conclusions and Recommendations**

### **6.1 Conclusions**

The City is required to comply with National Pollutant Discharge Elimination System Phase II permit for Small MS4s. Current programs are not sufficient to meet the requirements of the Phase II Permit; therefore, a Storm Water Management Plan (SWMP) must be adopted and implemented by the City. The SWMP recommends new programs and modifications to existing programs in order to meet the requirements of the Phase II Permit. The Plan will have a five-year implementation period. Over the course of the permit the City will be required to submit annual reports documenting the progress made each year in the form of measurable goals for each best management practice (BMP). Implementation of the SWMP will require additional staff and resources. The City will be required to budget for these activities beginning with Fiscal Year 09/10, with the first year of the permit anticipated to end in early 2010.

### **6.2 Recommendations**

The following items are recommended actions the City should take in preparation for implementing the SWMP.

- Present the SWMP to the City Council for approval.
- Determine the staffing requirements and responsible parties required to implement the SWMP.
- Estimate annual costs and establish a budget for plan implementation.

**Appendix A**  
**City of King Storm Water Management Plan**  
**BMPs Summary Table**

### Minimum Control Measure 1: Public Education and Outreach

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
PEO-1: City Website Storm Water Pages	Storm water program web pages developed to provide information to the public and special interest groups	x					Date storm water pages are posted to the City's website	CM
PEO-1: City Website Storm Water Pages	Storm water program web pages developed to provide information to the public and special interest groups		x	x	x	x	Track the number of visits to the storm water web pages	CM
PEO-1: City Website Storm Water Pages	Full functionality of planned storm water web page features including storm water events calendar, reporting comments forms, compliance guidance and special information page	x	x				Proposed web page features are posted and operational (see BMPs PPI-1, PPI-3, PPI-4, IDDE-3, CS-4, and ND-2 for additional information)	CM
PEO-1: City Website Storm Water Pages	Monthly updates to the storm water events list & other sections of storm water pages as the program changes & additional information becomes available			x	x	x	Dates of updates and summaries of changes made to SW pages will be listed	CM
PEO-1: City Website Storm Water Pages	Determine reference to the pages and infer interest in storm water material based on hits to storm water pages			x	x	x	Number of hits per month tracked for web pages	CM
PEO-2: Storm Water General Information Brochure	General storm water program brochure will be developed and ready for distribution	x					Date & number of brochure copies ready for distribution	CM
EA-1 Effectiveness Assessment Strategy	Develop Effectiveness Assessment Strategy for each BMP	x					Effectiveness Assessment Strategy implemented	CM
PEO-2: Storm Water General Information Brochure	General storm water program brochures will be distributed with utilities billings		x	x	x	x	Mailing date and number of general brochures mailed	CM
PEO-2: Storm Water General Information Brochure	General storm water program brochures will be available and on display at City Hall and the Public Library	x	x	x	x	x	Number of general brochures distributed and redistributed to each location	CM
PEO-2: Storm Water General Information Brochure	General storm water program brochures will be distributed with annual issuance of business licenses	x	x	x	x	x	Number of general brochures distributed with business licenses and development permits	CM
PEO-2: Storm Water General Information Brochure	General storm water program brochures will be distributed or available and on display at public events	x	x	x	x	x	A description of public events where the general brochure was distributed and number distributed at each	CM

### Minimum Control Measure 1: Public Education and Outreach

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
PEO-3: Storm Water Pollution Prevention Brochures for Target Audiences (IDDE-7)	Storm water pollution prevention brochures for restaurant operators will be developed and ready for distribution	x					Date & number of brochure copies ready for distribution	CM
PEO-3: Storm Water Pollution Prevention Brochures for Target Audiences	Annual targeted mailings of the storm water pollution prevention brochures to restaurants operating within the permit area	x	x	x	x	x	Number of restaurant brochures distributed by targeted mailing and dates the brochures are sent will be reported	CM
PEO-3: Storm Water Pollution Prevention Brochures for Target Audiences (IDDE-7)	Storm water pollution prevention brochures for business owners will be developed and ready for distribution	x					Date & number of brochure copies ready for distribution	CM
PEO-3: Storm Water Pollution Prevention Brochures for Target Audiences	Annual targeted mailings of the storm water pollution prevention brochures to King City businesses		x	x	x	x	Number of business brochures distributed by targeted mailing and dates the brochures are sent will be reported	CM
PEO-3: Storm Water Pollution Prevention Brochures for Target Audiences	Storm water pollution prevention brochures for restaurant operators and for business owners will be available and on display at City Hall and the Public Library		x	x	x	x	Number of each brochure distributed and redistributed to each location will be reported	CM
PEO-4: Storm Drain Stenciling	A stencil design notifying the public of drainage to local water bodies will be chosen	x					Stencil designed and ready for use	CM
PEO-4: Storm Drain Stenciling	Storm drains in the SWMP coverage area will be prioritized for stenciling	x					Ranking criteria and prioritized list developed and ready for use	CM
PEO-4: Storm Drain Stenciling	25% of initially unstenciled storm drain inlets will be stenciled each year in order of priority until all have been stenciled		x	x	x	x	The number of drains stenciled each year will be reported	CM
PEO-4: Storm Drain Stenciling	Storm drain markings will be examined during scheduled storm drain inspections		x	x	x	x	Number of storm drain stencilings determined to need restenciling and the number of resencilings	CM
PEO-5: Storm Water Hotline	Establish City hotline number for reporting spills and suspected illicit dischargers	x					Hotline date of implementation and phone number	CM
PEO-5: Storm Water Hotline	Develop spill reporting and investigation procedures for personnel reviewing	x					Procedure summary and date of hotline reporting system implementation	CM
PEO-5: Storm Water Hotline	Track each spill/ illicit discharge report and all follow-up activities		x	x	x	x	Number of reports and the number of successful interventions resulting from reports made with the hotline	CM

**Minimum Control Measure 1: Public Education and Outreach**

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
PEO-6: Storm Water Information Exchange Participation	Investigate and research opportunities for participation in storm water meetings and workshops and determine potential organizations for partnering	x					Storm water organizations and pertinent activities will be summarized	CM
PEO-6: Storm Water Information Exchange Participation	Participate in at least one beneficial storm water pollution prevention collaborative activity each year		x	x	x	x	Summaries of collaborative activities and dates of events	CM
PEO-7: Storm Water Education for School-age Children	Contact local elementary schools to determine school activities or assemblies where a storm water demonstration/presentation can be made	x					Progress on coordinating with elementary school staff, dates of scheduled assemblies or activities hosting storm water demonstrations/presentations and a summary of planned activities	CM
PEO-7: Storm Water Education for School-age Children	Develop a storm water handout for distribution to school-age children at storm water presentations and demonstrations	x					Handout completed and included as attachment in annual report	CM
PEO-7: Storm Water Education for School-age Children	Participate in at least two educational storm water pollution prevention activities for school-age children each year		x	x	x	x	Summaries of educational events held or participated in	CM

**Minimum Control Measure 2: Public Participation and Involvement Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
PPI-1: Storm Water Program Public Meetings	Hold an initial public meeting to present the draft SWMP to City Council members, City Department Staff, business owners, developers, and residents and receive comments	x					Meeting date and comments received will be reported	CM
PPI-1: Storm Water Program Public Meetings	Hold one public meeting per year to provide information on updates to the SWMP, obtain input for future changes, and request feedback on storm water pollution prevention activities		x	x	x	x	Meeting dates and meeting summaries reported	CM
PPI-2: Volunteer Waterway Clean-up Program	Identify drainage areas, waterways and storm drains frequently polluted by floating garbage/refuse		x				Findings and map of delineated drainage areas with relative priority for clean-up reported	CM
PPI-2: Volunteer Waterway Clean-up Program	Identify local groups to participate in volunteer waterway clean-up activities, distribute information, and contact by phone		x				Number of organizations, names and activities reported	CM
PPI-2: Volunteer Waterway Clean-up Program	Determine the success of waterway clean-up activities by taking photographs of subject areas before and after cleanup and by recording the number of trash bags filled during a cleanup activity			x	x	x	Number of priority areas served by volunteers, trash bags filled	CM
PPI-2: Volunteer Waterway Clean-up Program	Assess interest in the Volunteer Waterway Clean-up Program			x	x	x	Change in number of volunteering groups and participants	CM
PPI-3: Storm Water Program Activities List on Storm Water Web	Post information and meeting dates for storm water program meetings to the online events list		x	x	x	x	Number of events added to the list and the percentage of meetings with notifications posted online	CM
PPI-3: Storm Water Program Activities List on Storm Water Web	Assess effectiveness of notification through the web pages		x	x	x	x	Track visits to the storm water activities list	CM
PPI-4: Web-based Form for Storm Water Program Public Feedback	Assess public use of the web-based feedback form		x	x	x	x	Number of submissions from the web-based form	CM
PPI-4: Web-based Form for Storm Water Program Public Feedback	Review and categorize submitted comments and suggestions to determine the appropriate course of action		x	x	x	x	Tracking of percentage of submissions calling for further action and actions taken	CM

**Minimum Control Measure 2: Public Participation and Involvement Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
PPI-5: Storm Water Program Presentations	Contact community groups and compile list of groups with interest in storm water pollution prevention	x					Community groups list and date finalized	CM
PPI-5: Storm Water Program Presentations	Update community groups list to include new groups and groups with new interest			x		x	Updated community groups list and date completed	CM
PPI-6: Employee Training for Storm Water Programs	Prepare general storm water presentation content for use in presentations to community members and City staff	x					Date content is ready for incorporation into storm water presentations	CM
PPI-6: Employee Training for Storm Water Programs	Give at least one presentation on the storm water program per year to City departments responsible for plan implementation.		x	x	x	x	Number of storm water program presentations given	CM
PPI-6: Employee Training for Storm Water Programs	Conduct training to update City staff with SWMP responsibilities			x	x	x	Number of staff members receiving training updates each year	CM

### Minimum Control Measure 3: Illicit Discharge Detection and Elimination Minimum Control Measure

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
IDDE-1: Illicit Discharge Prohibitions and Enforcement Authority	Review existing regulations and determine revisions and additional ordinances required to prohibit illicit discharges to the storm sewer system and establish effective enforcement authority	x		x		x	Complete a matrix summarizing required modifications and additions	CM
IDDE-1: Illicit Discharge Prohibitions and Enforcement Authority	Process proposed changes to City regulations for adoption	x					Dates changes are proposed and adopted	CM
IDDE-2: Storm Drain System Maintenance	Coordinate regular maintenance of City storm drains and implement a tracking procedure for storm drain system	x	x	x	x	x	Percentage of all storm drains inspected, dates of inspection, remedial activities taken, and percentage of problematic storm drain issues remedied	CM/ PW
IDDE-3: Web-based Illicit Discharge Reporting	Add online illicit discharge reporting form to the City's storm water web pages		x				Date reporting form is added to the storm water web pages	CM
IDDE-4: Storm Drain Outfall Mapping	Develop implementation plan (document review, surveying) for storm drain mapping and begin work on the storm drain outfall map	x					Date plan is completed	CM/ PW
IDDE-4: Storm Drain Outfall Mapping	Survey and map storm drain outfalls in 50% of the SWMP coverage area each year, beginning with denser areas of the City	x	x				Summaries of progress made in mapping storm drain outfalls and system	CM/ PW
IDDE-4: Storm Drain Outfall Mapping	Continue to update the storm drain outfalls and system in SWMP coverage area			x	x	x	Summaries of progress made in mapping storm drain outfalls and system	CM/PW
IDDE-5: Illicit Discharge Identification, Response and Tracking Procedures	Develop plans for detecting and addressing illicit discharges, determine areas with high probability for impacts to storm water, and develop an inspection schedule for the storm drains in the permit area in accordance with the regulatory framework for storm water enforcement	x					Date City departments review illicit discharge identification, response, and tracking program	CM/ PW
IDDE-5: Illicit Discharge Identification, Response and Tracking Procedures	Implement illicit discharge identification, response, and tracking procedures		x				Date of implementation	CM/ PW

**Minimum Control Measure 3: Illicit Discharge Detection and Elimination Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
IDDE-5: Illicit Discharge Identification, Response and Tracking Procedures	Track the investigation, inspection, enforcement and corrective action activities		x	x	x	x	Number of storm water issues identified and processed or enforced	CM/ PW
IDDE-6: Used Oil Recycling and Hazardous Waste Disposal	Determine means of coordinating periodic used oil and household hazardous waste collection from residents at a central location for disposal or recycling	x					Information on disposal agencies and evaluation of services provided	CM
IDDE-6: Used Oil Recycling and Hazardous Waste Disposal	Develop program for periodic collection of used oil and household hazardous wastes from City residents at a central location		x				Date program development is completed	CM
IDDE-6: Used Oil Recycling and Hazardous Waste Disposal	Implement program for periodic collection of used oil and household hazardous wastes from City residents at a central location			x	x	x	Date of implementation and tracking of volumes of oil and hazardous wastes collected	CM
IDDE-7: Illegal Discharge Training and Public Outreach	Train staff of proper BMP uses, illicit discharges and their authority		x	x	x	x	Dates of seminars, number of employees and survey results	CM

**Minimum Control Measure 4: Construction Site Storm Water Runoff Control Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
CS-1: Additions to Existing Ordinances	Review the existing ordinances to determine any revisions necessary to establish effective enforcement authority and to minimize impacts to storm water resulting from construction activity. Process proposed changes for adoption	x	x				Summary of modifications and dates changes are proposed and adopted	CM
CS-2: Construction Site Plan Review and Tracking Procedures	Draft procedures to standardize and integrate methods of plan review and tracking	x					Summary of progress made on plan review and tracking and date of completion	CM
CS-2: Construction Site Plan Review and Tracking Procedures	Train City personnel responsible for review and tracking of permit applications and SWPPPs in new review and tracking procedures		x				Number of staff members trained for review and tracking	CM
CS-2: Construction Site Plan Review and Tracking Procedures	Implement plan review and tracking procedures		x	x	x	x	Number of construction sites applying for building or grading permits and the percentage of sites disturbing one or more acres with reviewed and approved SWPPPs	CM
CS-3: Construction Site Inspection for Storm Water BMPs	Develop ranking criteria and inspection procedures to prioritize construction sites based on site characteristics and consideration of potential water quality impacts	x	x	x		x	Date ranking criteria is in place and site inspections are conducted according to developed procedures	CM
CS-3: Construction Site Inspection for Storm Water BMPs	Train City personnel in conducting site inspections for BMPs in approved SWPPPs		x				Number of staff members trained as site inspectors	CM
CS-3: Construction Site Inspection for Storm Water BMPs	Implement construction site inspections according to new procedures			x	x	x	Number of inspections conducted and the numbers of observed and corrected violations	CM
PPI-3: Storm Water Program Activities List on Storm Water Web Pages	Access the use of the City's web-based form for reporting illicit discharges pertaining to construction activities		x	x	x	x	Percentage of comments/concerns pertaining to construction site runoff	CM
CS-4: Receipt and Consideration of Public Concerns for Storm Water Quality	Access the use of the City's hotline for reporting illicit discharges pertaining to construction activities		x	x	x	x	Percentage of comments/concerns pertaining to construction site runoff	CM

**Minimum Control Measure 4: Construction Site Storm Water Runoff Control Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/ Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
CS-5: Assistance for Construction Managers and Developers	Storm Water Management at Construction Sites brochure will be developed and ready for distribution			x			Date & number of brochure copies ready for distribution	CM
CS-5: Assistance for Construction Managers and Developers	Storm Water Management at Construction Sites brochure will be available at the Building Department and the Public Works Department, at the Public Library, at City Hall, online on the City's storm water pages and by mail upon request				x	x	Dates brochures are made available and the number of brochures distributed from each location and by mail	CM

**Minimum Control Measure 5: New Development and Redevelopment Storm Water Management Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
ND-1: General Plan Land Use Policies	Develop new land use policies consistent with the goal of protecting storm water		x				Date policies are developed and ready for adoption	CM
ND-1: General Plan Land Use Policies	Review General Plan and update/amend policies to remain consistent with SWMP					x	Date policies are developed and ready for adoption	CM
ND-2: Outreach and Technical Assistance for Developers and Designers	Storm Water Management for Development Projects brochure will be developed and ready for distribution			x			Date & number of brochure copies ready for distribution	CM
ND-2: Outreach and Technical Assistance for Developers and Designers	Storm Water Management for Development Projects brochure will be available at the Building Department, the Public Works Department, the Public Library, City Hall, online on the City's storm water pages and by mail upon request				x	x	Dates brochures are made available and the number of brochures distributed from each location and by mail	CM
ND-3: Storm Water Standards and BMPs Guidance for Development Projects	Technical criteria, design standards, BMP control strategies, and guidance on design, implementation, and operation will be compiled into the Storm Water Standards and BMPs Manual		x				Date Storm Water Standards and BMPs Manual is finalized and ready for publication	CM
ND-3: Storm Water Standards and BMPs Guidance for Development Projects	Develop and incorporate guidance for plan review staff with the Storm Water Standards and BMPs Manual			x			Date guidance document is ready for use	CM
ND-3: Storm Water Standards and BMPs Guidance for Development Projects	Create survey and survey users of the Manual, incorporate comments in to future drafts of the Manual					x	Results of survey and date document is revised (or if necessary)	CM/ CE
ND-4: Storm Water Ordinance for Development Projects	Compile post-construction measures meeting the requirements of the General Permit and compared to the City's current policy to determine consistency with existing land development and redevelopment regulations and necessary	x					Dates development and redevelopment design standards are ready and proposed for adoption	CM
ND-4: Storm Water Ordinance for Development Projects	Adopt development and redevelopment design standards		x				Dates development and redevelopment design standards are adopted	CM

**Minimum Control Measure 5: New Development and Redevelopment Storm Water Management Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/ Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
PPI-3: Storm Water Program Activities List on Storm Water Web	Develop development plan review procedures and the BMP tracking database for use by plan review and inspection staff			x			Date development plan review procedures and tracking database are completed	CM
ND-5: Plan Review, Inspection & Tracking for Development Projects	Train inspection staff in procedures for conducting site inspections for storm water controls			x			Dates of training and number of inspection staff trained	CM
ND-5: Plan Review, Inspection & Tracking for Development Projects	Implement development plan review procedures and use tracking database					x	Number of submitted plans in compliance with design standards	CM
ND-5: Plan Review, Inspection & Tracking for Development Projects	Assess the effectiveness of the tracking system by asking for comments and input					x	Summary of problems and proposed solutions for the tracking system	CM
ND-6: Hydromodification and LID	Develop and implement interim hydromodification criteria standards	x					Report implemented standards to RWQCB	CM
ND-6: Hydromodification and LID	Develop and implement hydromodification criteria and LID standards		x	x	x	x	Report implemented standards to RWQCB	CM

**Minimum Control Measure 6: Pollution Prevention/ Good Housekeeping of Municipal Operations Minimum Control Measure**

BMP	Measurable goal	Permit Year					Progress/Effectiveness Measurements	Responsible Party
		1	2	3	4	5		
PP-1: City Facility Upkeep	Continue to provide regular upkeep and maintenance for facilities to prevent impacts to storm water quality	x	x	x	x	x	Amounts of wastes and dirt recovered (weight or volume) and the dates upkeep activities are conducted	PW
PP-1: City Facility Upkeep	Conduct inspections to confirm upkeep activities are being conducted to minimize storm water pollution prevention	x	x	x	x	x	Observations from each inspection and corrective action taken	PW
PP-2: Storm Water Pollution Prevention for City Activities	Conduct reviews and surveys of department activities over the course of several months to assess capacity of each to meet future storm water objectives as a department and estimate the training required to prepare department staff for storm water program responsibilities	x	x				Summaries of survey results and a matrix of training objectives for department personnel and completion date	CM/ PW
PP-2: Storm Water Pollution Prevention for City Activities	Researched appropriate BMPs for departments and develop procedural guides and a training materials for each department	x	x				Summaries of BMPs to be implemented by each department and date training materials are completed	CM
PP-2: Storm Water Pollution Prevention for City Activities	Train City personnel in each department in BMP implementation		x		x		Percentage of employees in each department with responsibility to implement storm water pollution prevention BMPs who have been trained	CM
PP-2: Storm Water Pollution Prevention for City Activities	Implement BMPs for City departments			x			Date of implementation BMPs are implemented in each department	CM/ PW
PP-2: Storm Water Pollution Prevention for City Activities	Develop inspection schedule and conduct inspections for storm water pollution prevention BMPs to ensure continued operation and maintenance			x			Inspection observations, success implementing BMPs, and changes to BMPs, additional staff training, or other corrective action	CM/ PW

**Appendix B**  
**City of King Storm Water Management Plan**  
**Notice of Intent**

State Water Resources Control Board  
NOTICE OF INTENT  
TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT FOR  
STORM WATER DISCHARGES FROM  
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS  
(WATER QUALITY ORDER NO. 2003 - 0005 - DWQ)

I. NOI Status

Mark Only One Item	1. <input checked="" type="checkbox"/> New Permittee	2. <input type="checkbox"/> Change of Information WDID #: _____
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II. Agency Information

A. Agency The City of King			
B. Contact Person Rene Salas		C. Title Public Works Director	
D. Mailing Address 212 So. Vanderhurst Ave.		E. Address (Line 2)	
F. City King City	State CA	G. Zip 93930	H. County U.S.A.
I. Phone 831-386-5938	J. FAX 831-386-0378	K. Email Address pwk@kingcity.com	
L. Operator Type (check one) 1. <input checked="" type="checkbox"/> City 2. <input type="checkbox"/> County 3. <input type="checkbox"/> State 4. <input type="checkbox"/> Federal 5. <input type="checkbox"/> Special District 6. <input type="checkbox"/> Government Combination			

III. Permit Area:

The City of King

IV. Boundaries of Coverage (include a site map with the submittal)

See Attached map showing City and Salinas River

V. Billing Information

A. Agency The City of King			
B. Contact Person Rene Salas		C. Title Public Works Director	
D. Mailing Address 212 So. Vanderhurst Ave.		E. Address (Line 2)	
F. City King City	State CA	G. Zip 93930	H. County U.S.A.
I. Phone 831-386-5938	J. FAX 831-386-0378	K. Email Address pwk@kingcity.com	
<p>Fees are based on the daily population served by the Small MS4. To determine your fee, consult the current fee schedule (California Code of Regulations, Title 23, Division 3, Chapter 9 Article 1), which can be viewed at <a href="http://www.swrcb.ca.gov/stormwtr/municipal.html">www.swrcb.ca.gov/stormwtr/municipal.html</a>.</p>			
L. Population <u>14,300</u>			
Fee <u>3,000</u>			
Check(s) should be made payable to the SWRCB and submitted to the appropriate RWQCB.			
SWRCB Tax ID is: 68-0281986			

VI. Discharger Information (check applicable box(es) and complete corresponding information)

1.  Applying for Individual General Permit Coverage

2.  Applying for a permit with one or more co-permittees

The undersigned agree to work as co-permittees in implementing a complete small MS4 storm water program. The program must comply with the requirements found in Title 40 of the Code of Federal Regulations, parts 122.32. Attach additional sheets if necessary. Each co-permittee must complete an NOI.

Lead Agency	Signature
Agency	Signature
Agency	Signature
Agency	Signature

3.  Separate Implementing Entity (SIE)

A. Agency

B. Contact Person C. Title

D. Mailing Address E. Address (Line 2)

F. City State G. Zip H. County  
CA

I. Phone J. FAX K. Email Address

H. Operator Type (check one)  
 1.  City 2.  County 3.  State 4.  Federal 5.  Special District 6.  Government Combination

Minimum Control Measures being implemented by the SIE (check all that apply)  
 Public Education  Public Involvement  Illicit Discharge/Elimination  
 Construction  Post Construction  Good Housekeeping

"I agree to coordinate with the agency identified in Section III of this form and comply with its qualifying storm water program. I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Additionally, I certify that the provisions of the permit, including the development and implementation of a Storm Water Management Program, will be complied with."

N. Signature of Official Date

VII. Storm Water Management Plan (check box)

As per section A.2. of this General Permit, the SWMP is attached.

VIII. Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true; accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Additionally, I certify that the provisions of the permit, including the development and implementation of a Storm Water Management Program, will be complied with."

A. Printed Name: Rene Salas

B. Title: Public Works Director

C. Signature: *[Signature]* D. Date: 10/9/03

Vendor: CSWRCB	CALIFORNIA STATE WATER	RESOURCES CONTROL BOARD		
Invoice#	Date	Description	Distribution	Amount
61766	10/16/2003	STORM WATER DISCHARGE PERMIT		3,000.00
Check Amount Total :				3,000.00

Date: 10/17/2003 CITY OF KING • 212 SO. VANDERHURST • KING CITY, CA 93930 Check#: 39607

WARNING: DO NOT CASH UNLESS LOGO APPEARS IN BACKGROUND OF CHECK

<p><i>City of King</i>          212 SO. VANDERHURST          KING CITY, CA 93930          (831) 385-3281</p>	<p>WELLS FARGO BANK          11-4288/1210</p>	<p>039607          Check#: 39607          Date: 10/17/2003</p>
<p>PAY</p> <p>*****THREE THOUSAND DOLLARS AND 00 CENTS*****</p>		<p>VOID 90 DAYS          FROM DATE</p> <p>AMOUNT          \$3,000.00</p>
<p>TO THE          ORDER          OF</p> <p>CALIFORNIA STATE WATER          RESOURCES CONTROL BOARD          ATTN: STORM WATER SECTION          P.O. BOX 1977          SACRAMENTO CA 95812-1977</p>	<p><i>John L. Myers</i>  <i>W.F. Bank</i></p>	

WARNING: DO NOT CASH UNLESS ORIGINAL DOCUMENT APPEARS ON BACK OF CHECK

⑈039607⑈ ⑆121042882⑆0439 538315⑈