

December 2008

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CITY OF SOLEDAD

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Annual Report

**Fourth Permit Year Report  
(2007 – 2008)**

Prepared by:

**PUBLIC WORKS DEPARTMENT**

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## *Report Information*

Date plan submitted to the Department of Water Resources: 12/19/08.

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## Section 1 - Introduction

### FOURTH ANNUAL REPORT

#### General Permit for the Discharge of Storm Water from Small Municipal Separate Storm Sewer Systems (General Permit)

#### Permittee Information

1. Permittee (Agency Name): **City of Soledad**
2. Contact Person: **Clifton Price, Public Works Director**
3. Mailing Address: **P.O. Box 156**
4. City, State and Zip Code: **Soledad, CA 93960**
5. Contact Phone Number: **(831) 223-5173**
6. WDID #: **3 27MS04029**
7. Have any areas been added to the MS4 due to annexation or other legal means?  NO
8. Are you subject to the Design Standards contained in Attachment 4 of the General Permit?  
 YES

#### Reporting Period

This Annual Report covers the Fourth Permit Year. The Fourth Permit Year started on September 22, 2007 and ended on September 21, 2008.

## **Section 2 - Executive Summary**

The City of Soledad is submitting this annual report to comply with the requirements of the General Permit for the Discharge of Storm Water from Small Municipal Separate Storm Sewer Systems.

**Table I: BMP Implantation Fourth Year – Status Summary**

BMP IMPLEMENTATION - FOURTH ANNUAL REPORT STORM WATER MANAGEMENT PLAN	Status	Schedule
<b>MCM1: PUBLIC OUTREACH &amp; EDUCATION</b>		
1.1 Utility billings	◇	☀
1.2 Web site for storm water information	◇	☀
1.3 Media advertisements - Television	◇	☀
1.4 Media advertisements - Newspaper	◇	☀
1.5 Brochures or fact sheets for general public and specific audiences	●	☀
1.6 Publish use of City Hall phone number for Storm Water Hotline for information and citizens reporting of polluters	●	☀
1.7 Proper disposal of household hazardous wastes	●	☀
1.8 Used Oil Recycling	●	☀
1.9 Storm drain stenciling	●	☺
1.10 Participation in Regional Storm Water Information Exchange	●	☀
<b>MCM2: PUBLIC PARTICIPATION AND INVOLVEMENT</b>		
2.1 Educational and volunteer programs for school-age children and community groups	○	☑
2.2 Community Feedback	●	☀
<b>MCM3: ILLICIT DISCHARGE DETECTION AND ELIMINATION</b>		
3.1 Storm drain system map	●	☀
3.2 Storm Drain Outfall Inspections	◇	☑
3.3 Illegal dumping reporting	●	☀
3.4 Illegal dumping documenting and monitoring	●	☀
3.5 Illegal dumping investigations and tracking of "Hot Spots"	●	☀
3.6 Adopt ordinance, including an enforcement mechanism	●	☀
3.7 Sanitary sewer system map	●	☀
3.8 Watch list for illicit connections	○	☑
3.9 Industrial/business connections	○	☑
3.10 Review and Identification of Non-Storm Water Discharges	○	☑
<b>MCM4: CONSTRUCTION SITE STORM WATER RUNOFF CONTROL</b>		
4.1 Regulatory mechanism for controlling polluted runoff from construction sites	●	☀
4.2 Construction site BMPs for controlling erosion & sediment at site	●	☀
4.3 SWPPP Requirements and Guidelines	●	☀
4.4 Tracking of sites >1 acre with associated erosion & sediment control	●	☀
4.5 Inspections for sediment & erosion control	●	☀
4.6 Penalties for non-compliance with runoff control measures	●	☀
4.7 Procedures for receipt and consideration of public inquiries, concerns and information submitted regarding local construction activities.	◇	☀
<b>MCM5: POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT</b>		
5.1 Site design requirements for new development and redevelopment	●	☀
5.2 Storage or detention BMPs controlling storm water	●	☀
5.3 Post-Construction storm water runoff strategies and design	●	☀
5.4 Adopt ordinance, including an enforcement mechanism	●	☀
5.5 Long-term operations and maintenance of BMPs	●	☀
<b>MCM6: POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS</b>		
6.1 Street sweeping	●	☀
6.2 Routine cleaning of drainage inlets	◇	☑
6.3 Guidelines for cleaning of vehicle parts	●	☀
6.4 Used oil disposal	●	☀
6.5 Hazardous materials storage	●	☀
6.6 Hazardous materials training for City employees	◇	☀
6.7 Employee training on storm water management and BMPs	●	☀
6.8 Spill response	●	☀
6.9 Record keeping of spills, leaks, and other discharges at a facility	●	☀
6.10 Staff Survey	◇	☀
6.11 Annual Testing for Pollutants of Concern	◇	☀

<b>Status</b>		<b>Schedule</b>	
Procedure/Program in development	○	Ahead	☺
BMPs Implemented	●	On Schedule	☀
BMPs Modified	◇	Behind	☑

## Section 3 - Minimum Control Measures

### 1. Public Education and Outreach

#### A. Introduction

The status, the effectiveness and measured goals of the eleven BMPs of the Public Education and Outreach implemented during the fourth permit year are summarized in Table 1-3. Proposed modifications to the existing BMPs are also illustrated in Table 1-3.

**Table 1-1: Public Education and Outreach - Status**

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
1.1 Utility Billings	Storm water messages reaching every residence and business in the City to effectively increase awareness of how seasonal activities can contribute to water pollution and to call out safeguards that aim to reduce pesticides, salinity/TDS/chlorides, and sediment/siltation, and other pollutants as appropriate and specific to the City.			√			
1.2 Web site for storm water information	Website developed for widespread access to storm water information, programs, and activities.			√		√	
1.3 Media advertisements - Television	Storm water advertisements regularly broadcast. Broadcasts will cover a wide range of topics, such as: - How pollution on land can lead to receiving water - Where used motor oil can be recycled, and why it's important to do so - How restaurant kitchen staff can prevent storm drain pollution			√		√	

BMP	Description	Status					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
1.4 Media advertisements - Newspaper	No-cost storm water advertisements reaching a broad audience via printed media			√		√	
1.5 Brochures or fact sheets for general public and specific audiences	Storm water pollution prevention information readily available to residents, students, business owners, designers, developers, & contractors at City Hall, the library, cleanup events, and classroom educational visits.	√				√	
1.6 Publish use of City Hall phone number for Storm Water Hotline for information and citizen reporting of polluters	Provide a clear-cut means for the public to contact the City and report illicit discharges and illicit dumping.	√				√	
1.7 Proper disposal of household hazardous wastes	Facility (ies) provided for the public to dispose of hazardous materials that may otherwise be dumped illegally. Goal is to reduce amount of trash, household chemicals, pesticides, etc. entering the City's storm water system.	√				√	
1.8 Used Oil Recycling	Facility(ies) provided for the public to dispose of used motor oil in an effort to reduce the amount of petroleum hydrocarbons and other chemicals entering the City's storm water system due to illegal dumping.	√				√	
1.9 Storm drain stenciling	Notice to community citizens regarding storm water pollution prevention at point of possible entry to storm drain system. Expected reduction in amount of trash and motor oil entering the City's storm sewer system.	√				√	
1.10 Participation in Regional Storm Water Information Exchange	The City will participate in regional storm water information exchange meetings to enhance their own implementation efforts, and to build upon the lessons learned from other municipalities.			√		√	

**B. General Summary**

Some of the Public Education and Outreach activities were implemented as originally plan; however, others activities needed to be modified during the fourth permit year. The distribution of the quarterly Soledad Times newspaper, for example, was canceled this year due to budget cuts. The progress in the implementation of this activity was significant reduced because only two bilingual educational articles were distributed during the fourth permit year. The limited technical support dedicated to the City web site during the fourth permit year impaired also the modification of the educational material presented in the City web site. The installation of twenty-eight markers in several locations in the City is projected to raise public awareness. The location of the new markers is illustrated in Figure 1-1. Although, the City requested volunteers to install the markers in the educational materials, no volunteers participated in the installation of the markers.

**C. Status of Measure Goals**

The measurable goals of the fourth permit year have not been achieved in its totality because several modifications to required goals were needed.

**D. Appropriateness**

The measurable goals of the fourth permit year have not been achieved due to the modifications of some of the goals.

**E. Effectiveness**

The effectiveness of each goal during the fourth permit year cannot be adequately measured, for example, the Storm Water Hotline that was created for the citizens of the City of Soledad to report polluters was not used during the fourth permit year. The line was checked during the entire reporting period but no phone calls reporting polluters were received. The limited use of this line cannot be an indication or success or failure because it is impossible to determine if the limited use of this phone line was caused because 1) no polluters were observed in the City or 2) the hot line number is not known by the public.

**F. Proposed Modifications**

During the fourth permit year several goals were not fully implemented and the modification will continue during the fifth permit year. The proposed modifications for the fifth permit year include changes on BMP 1.1, BMP 1.2, BMP 1.3, and BMP 1.4.

➤ **i. BMPs**

**BMP 1.1**

Quarterly storm water messages have not been able to distribute in the Utility billings as was originally proposed, but the acquisition of new software provides the opportunity to implement this goal. Based on the information obtained from the Finance Department, it is projected that the first bilingual quarterly reports in the Utility billing system can be distributed by the month of February.

**BMP 1.2**

According to the City Manager Office Department, the technical support that maintained the City’s web site has been recently changed, and a new City web site is projected to be displayed in the future months. The information that was not modified during the fourth permit year will be upgraded, and the possibility of having a web page dedicated only to the Storm Water Management Plan is probably feasible during the fifth permit year.

**BMP 1.3**

The video broadcast goal continues to be an ineffective educational goal for the rest of the permit because the City does not have the capacity to program daily videos. The existing economical crises that the City is facing, limits the possibility of having a new broadcast system. In lieu of this BMP, the educational information will continue to be displayed only in brochures, the local television channel and in the City web page.

**BMP 1.4**

Although the city was successful in reaching out to educate the residents of the City of Soledad via the distribution of the quarterly “Soledad Times” newspaper during the previous permit years, this goal was affected during the fourth permit year because the distribution of this quarterly newspaper was removed from the School District Budget. Currently the City does not have another free newspaper service to distribute educational materials. The feasibility of developing other storm water educational materials is unclear at this moment due to the limited or not existing storm water budget. The educational information will continue to be displayed only in brochures, the local television channel and in the City web page.

## **G. Results**

The results of the implementation of all the educational BMPs observed during the fourth permit year were collected, analyzed and Table 1-2 summarizes the total amount of gallons and units of used oil and filters collected from the Residential Areas by Tri-Cities Disposal & Recycling. As it was mentioned in previous reports, the company only collect used oil or used filter units from residential areas because the County grant only covers residential units.

Determining the percentage of residential customers that use this free service is an impossible task because Tri-Cities Disposal & Recycling does not maintain a record of the number of vehicles per residential unit, and also the number of oil change required by each vehicle per residential unit is also unknown.

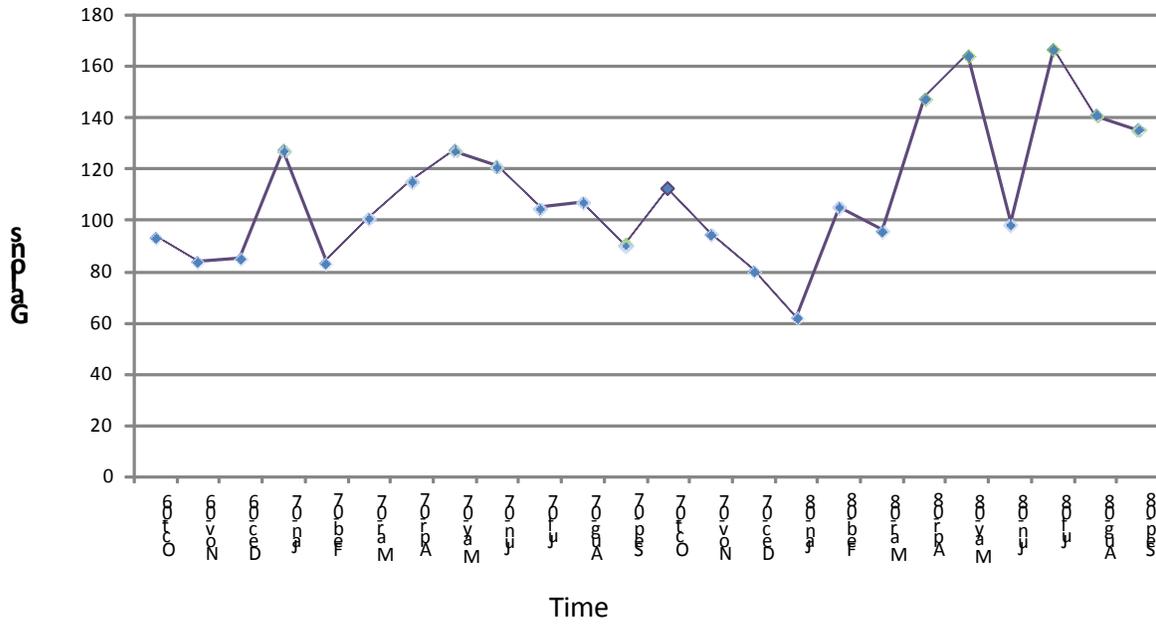
The total amount of gallons and units of used oil and filters collected by Tri-Cities Disposal & Recycling during the third permit year and the fourth permit year was compared and the results can be observed in Graph 1-1 and Graph 1-2. The results obtained from the comparison of the two permit years indicates an slight increase in the amount of gallons of used oil in seven months of the fourth permit year, and an increase of the number of used filers in nine months of the fourth permit year. Some of the increases ranges from 11% to %37% in the amount of gallons and 6% to19% in the number of used filters, but also shows a decrease of 4% to 19% and 19% to 68% in the amount of gallons and the number of used filters respectively in the rest of the months.

The increase and percent reduction observed in both permit years can be caused by several factors. For example, two possible factors that could affected the increase in recycling were 1) more residents in the City were aware of the free service offered by Tri-Cities Disposal & Recycling, and 2) that more residents were doing oil changes at home instead of contracting mechanical services due to the existing economical crises that is affecting the country. The reduction observed in some months could be caused by other factors. Possible factors could be 1) new vehicles suggested oil change at 7,500 miles intervals instead of the 3,000 miles that was previously recommended, and 2) more local stores accepted used oil in the City during the permit year. Currently is impossible to determine if the educational material offered by the City has increased the awareness of the public regarding the benefits of recycling used oil because the results observed between the past two permit years did not provided a steady increase.

**Table 1-2: Total amount of Used Oil and Used Filter collected**

<b>Permit Year - 4<sup>th</sup> Months</b>	<b>Used Oil Gallons</b>	<b>Used Filters Each</b>
Oct-07	112.00	84
Nov-07	94.50	80
Dec-07	80.50	48
Jan-08	62.00	26
Feb-08	105.00	82
Mar-08	96.00	74
Apr-08	147.00	113
May-08	164.00	112
Jun-08	98.50	77
Jul-08	166.50	128
Aug-08	140.50	94
Sep-08	135.00	104

Graph 1-1: Used Oil – Permit Years 3<sup>rd</sup> and 4<sup>th</sup>



Graph 1-2: Used Filters – Permit Years 3<sup>rd</sup> and 4<sup>th</sup>

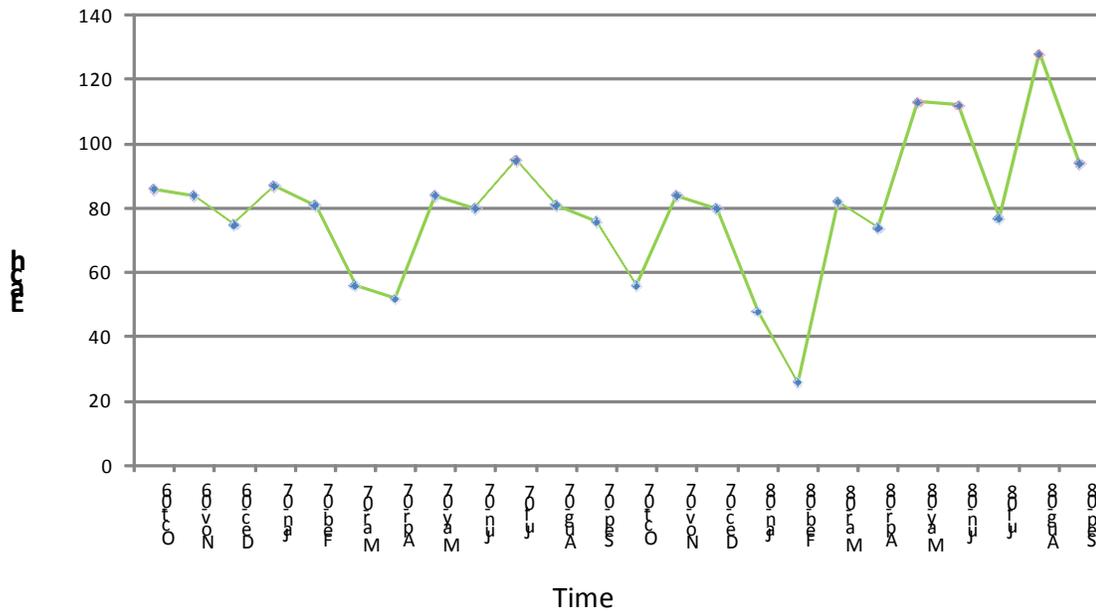
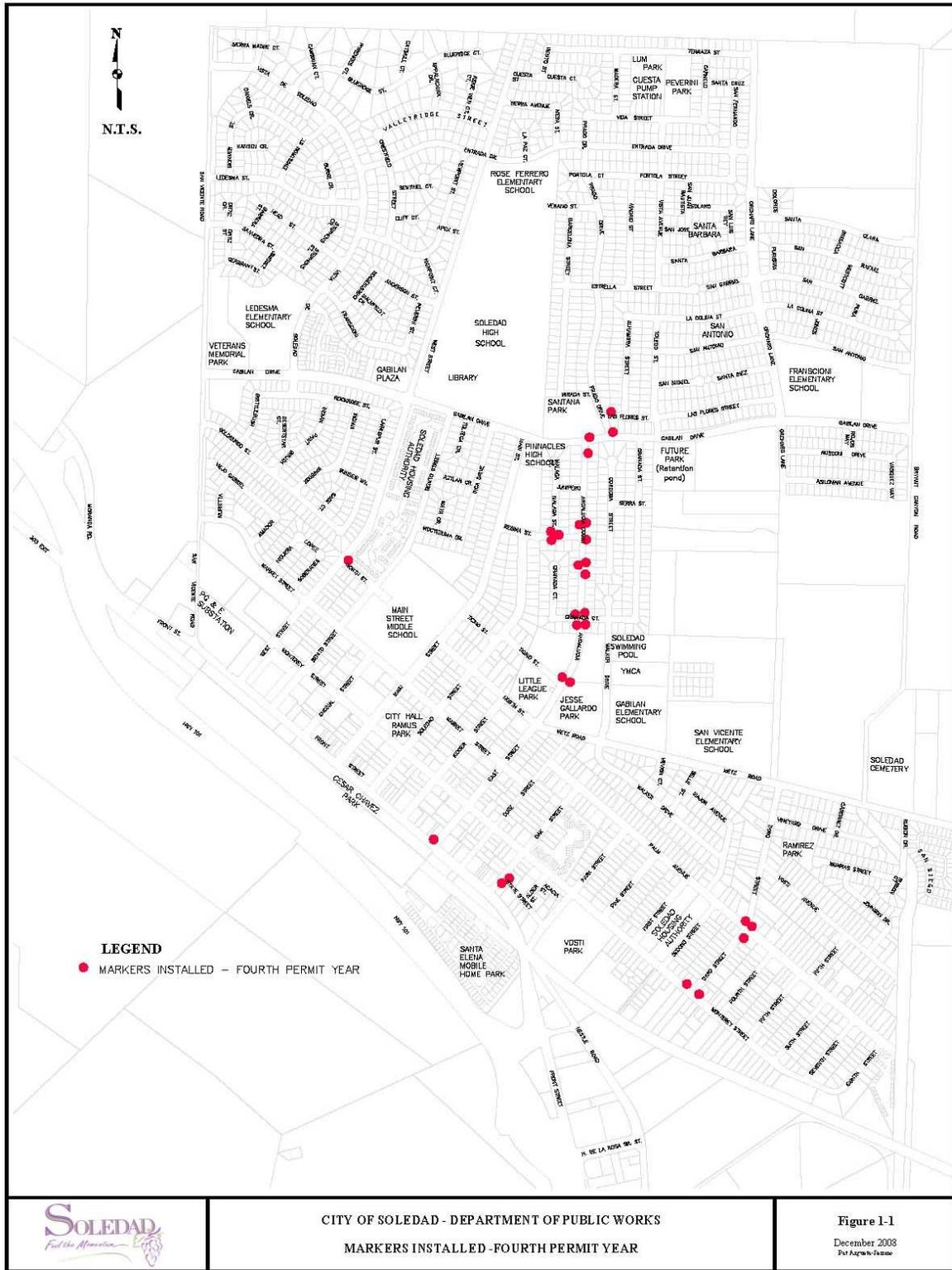


Figure 1-1: Markers Installed – Fourth Permit Year



**H. Summary**

The storm water activities that will be implemented during the fifth permit year are discussed in Table 1-3.

**Table 1-3: Public Outreach and Education – Proposed Measurable Goals**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
1.1 Utility Billings	Messages distributed quarterly Permit Years 1-5 MG: Run four messages/yr	√		Yes.	The new software that is currently installed in the Finance Department offers the possibility to implement this BMP 1.1. for the first time. The new template that the Finance Department is planning to implement for Utility Billings will allow bilingual messages. According to the Finance Department, this new Utility Billing Template is projected to be used in the month of February 2009. This BMP was modified in the previous permit years because the existing Finance Utility Billing template did not allow the necessary space to display bilingual educational messages.
1.2 Web site for storm water information	MG: Current storm water information placed on website, number emails and hotline use documented	√		Yes.	Ongoing throughout permit term. Although the limited technical services during the Fourth Permit Year did not allow any modification to existing information that is currently displayed as Word Documents and PDFs. According to the City Manager Office Department, a new City web site is projected to be designed; therefore the possibility of having a web page dedicated exclusively for the Storm Water Management Program is very feasible in the fifth permit year.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
1.3 Media advertisements - Television	Permit Year 1: Legwork to determine req'ts of broadcasting text ad; develop ads by summer of First Permit Year MG: Ads developed	√		Yes.	The use of video in this BMP continues to be an unfeasible goal. The existing equipment that the City owns does not have the capability to program a video and the regular announcements. The recommendation of eliminating the video use from this BMP continues for the fifth permit year. The educational information will continue to be displayed only on the TV announcements. The announcements displayed on the television should be modified frequently to attract more audience.
1.4 Media advertisements – Newspaper	Permit Year 1: Negotiations with Soledad Bee for PSA by Summer of First Permit Year MG: Ad size and running frequency with Soledad Bee determined	√		√	The Soledad Times Newspaper distribution was interrupted due to budget cuts. Only two quarterly newspapers were delivered during the fourth permit year. Currently, the City does not have more free newspaper service to display educational materials. The current financial situation that the City is facing, limits the possibility of purchasing the space of a newspaper to display this educational information. Educational materials will be limited to the television announcements, the internet and the future Utility Billing during the fifth permit year unless the City can obtain a grant to display the educational information as is required by this BMP.
1.5 Brochures or fact sheets for general public and specific audiences	Permit Year 1: Coordinate with library and City Hall on material dispensers (contents & display location) by Summer of Permit Year 1 MG: Storm water displays choreographed	√		√	The displays of brochures continue to concentrate in the City Hall counter. Since replenishment of the brochures was not recorded during the fourth permit year, an effort to record the replenishment should be emphasized during the fifth permit year. Creation of new brochures should be done to attract new audience during this permit year. Attracting volunteers to participate in the implementation of this BMP will continue in the fifth permit year.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
1.6 Publish use of City Hall phone number for Storm Water Hotline for information and citizen reporting of polluters	Hotline advertised immediately upon development of Storm Water section of the City's website, in Permit Year 1. MG: Hotline voice mailbox set up (See also BMP 3.2)		√	√	Although during the fourth permit year the residences of the City of Soledad did not use the Hotline phone number to report polluters, the hotline phone number will continue to be displayed in the City web site, the television announcements and in educational brochures during the fifth permit year with the hope of providing educational information to the residents of the City of Soledad in order to prevent polluters.
1.7 Proper disposal of household hazardous wastes	Locations added to storm water section of City website in Permit Year 1 and updated as-needed if information changes.  MG: Min. 2 existing locations for hazardous materials disposal listed on City website		√	√	Ongoing throughout permit term.  Locations of disposal of household hazardous waste in the area will continue to be displayed in the City web site and in the educational brochures during the fifth permit year.
1.8 Used Oil Recycling	Permit Year 1: Determine existing efforts of a nearby recycling facility to advertise their facility by Summer of First Permit Year MG: Facility's existing advertising media & frequency determined. Facility advertised on City storm water website		√	√	Ongoing throughout permit term. Locations of disposal places will continue to be advertised in the City web page, the quarterly Soledad Times newspaper and in educational brochures during the permit year. The information obtained from the local recycling facility showed a slight increase during the fourth permit year.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
1.9 Storm drain stenciling	Permit Year 1: Procurement of stencil(s) to display appropriate message by end of Summer first Permit Year MG: Stencil(s) chosen		√	√	Completed during the fourth permit year.  Twenty-eight storm drain markers were completely installed in the fifth permit year. This BMP has been fully completed in fourth permit year.
1.10 Participation in Regional Storm Water Information Exchange	The City will participate in a minimum of one regional storm water information exchange meeting per quarter. MG: Attend min. 1 meeting/quarter	√		√	During the fourth permit year, seven City employees attended the annual meeting of the Salinas River Channel Coalition that was celebrated on March 26, 2008, and the Storm Water Coordinator attended one meeting of the Monterey Regional Storm Water Group that was held on January 23 of 2008.  Although the BMP 1.10 indicates that the City should participate in quarterly meeting, the Storm Water Coordinator will attend to all available meetings for the City during the fifth permit year to exchange storm water information.

## 2. Public Involvement and Participation

### A. Introduction

The status, the effectiveness and measured goals of the two BMPs of the Public Involvement and Participation implemented during the fourth permit year are summarized in Table 2-1. Proposed modifications to the existing BMPs are also illustrated in Table 2-1.

**Table 2-1: Public Involvement and Participation - Status**

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
2.1 Educational and volunteer programs for school-age children and community groups	Community participation and education on storm water pollution prevention. Visible, interactive activities for storm system cleanup and protection, encouraging a vested interest in keeping pollution from entering City's storm sewer system.			√		√	
2.2. Community Feedback	To solicit feedback and participation from the community. Community awareness that the City encourages and expects awareness on a City-wide level. Workshops will be held prior to the start of the rainy season in order to alert citizens to methods of preventing pollutants from entering runoff, and prior to submittal of the annual report in order to incorporate community feedback into the report.			√		√	

**B. General Summary**

The SWMP goals during the fourth permit year were not significantly accomplished.

Although the City was able to invite the Community by distributing the invitations of the First Community meeting with the assistance of the School District, the City was not been able to discuss the best forum for storm water education and did not coordinate the first classroom education forum during the fourth permit year.

The first Community meeting was held on September 18, 2008. However, the limited number of residents that attended the meeting indicates that need to advertise the future meetings in a more extensive and aggressive way in order to increase the attendance and reach a large sector of the community. Copies of the Power Point Presentation were translated in Spanish were prepared to reach all the audience invited to this meeting.

During the fourth permit year, educational materials continued to be presented in the Soledad Times quarterly newspaper, in the brochures, and in the City website.

**C. Status of Measure Goals**

The measure goals of the fourth permit year were not fully completed in this reporting year, but each goal required by each permit year will be fully executed in the fifth permit year.

**D. Appropriateness**

The appropriateness of this BMP during the fourth permit year cannot be fully measured and analyzed since the City could not fully implement each goal.

**E. Effectiveness**

The overall effectiveness of the implementation of each BMP cannot be measured and evaluated since the City did not accomplish all the goals in the fourth permit year.

In the fourth permit year, the City observed a null interest in the community to participate in stenciling the existing catch basins though the City invited the Community to get involved in this voluntary activity in the educational information presented in the website and in the two newspapers articles that were distributed in this reporting period.

The City is expecting to increase volunteer participation by discussing this goal with School District representatives in the fifth permit year.

**F. Proposed Modifications**

Modification implemented in the fourth permit year included the following:

- 1) First community workshop was implemented in the fourth permit year
- 2) Volunteer assistance continued to be limited to stencil the catch basins.

**G. Results**

The City continued observing the absenteeism of volunteer participation observed in the third permit year. The invitation to participate in volunteer activities failed for second consecutive year regardless of the educational material used to promote the involvement of volunteers. No volunteers approached the Staff during the fourth permit year.

Though the First Community was conducted in this reporting period, the limited attendance indicates that the City needs to expend more time in bringing the community to this type of events. The second community meeting is scheduled to be presented in the next reporting period.

**H. Summary**

The storm water activities that will be implemented during the fourth permit year are discussed in Table 2-2.

**Table 2-2: Public Involvement and Participation – Proposed Measurable Goals**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
2.1 Educational and volunteer programs for school-age children and community groups	Permit Year 2: Contact with community groups to encourage participation by Spring Second Permit Year. MG: List of community groups interested in participating documented.	√		NO	Despite that the educational material distributed in the fourth permit year that invited volunteers to participate in stenciling the catch basins, no volunteers participated. The City continues to observe the same absenteeism of volunteers in this reporting period. Participation of volunteers is planning to be discussed with the School District in the next reporting permit year.
2.2. Community Feedback	Permit Year 3: Develop community vision workshop agenda and hold first workshop by Fall of Third Permit Year. MG: Hold one workshop/yr, quantity attendees documented.		√	Yes	Second community workshop will be presented in the Fifth Permit Year. Bilingual Power Presentations will be prepared to reach all sectors of the Community.

### 3. Illicit Discharge Detection and Elimination

#### A. Introduction

The status, the effectiveness and measured goals of the ten BMPs of the Illicit Discharge Detection and Elimination implemented during the fourth permit year are summarized in Table 3-1. Proposed modifications to the existing BMPs are also illustrated in Table 3-2.

**Table 3-1: Illicit Discharge Detection and Elimination - Status**

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
3.1 Storm drain system map	Inventory of storm drain inlets and infrastructure for better monitoring, maintenance, and cleaning.	√				√	
3.2 Storm Drain Outfall Inspections	To offer a means by which the City can track outfall conditions and link signs of pollution at the outfall with known or reported illicit discharges upstream of the outfall structure in the storm system.	√				√	
3.3 Illegal dumping reporting	Public awareness that the City is serious about preventing illegal dumping and discharges by encouraging people to report illicit discharge or dumping activities, and by promptly responding to these reports. An established system of reporting allows the City to a) investigate, b) track, and c) enforce these potential threats to water quality. (See also BMPs 3.4 & 3.5.)	√				√	
3.4 Illegal dumping documenting and monitoring	Inventory of the frequency, type, and location of illicit discharges to distinguish which pollutants are entering the City's storm drain system, what the possible sources are, and with what frequency the dumping or discharge occurs. Expected decrease in response time after reports are filed.	√				√	

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
3.5 Illegal dumping investigations and tracking of "Hot Spots"	Reduction in illicit discharges, especially in areas found to be impacted most severely by pollutants of concern.	√				√	
3.6 Adopt ordinance, including an enforcement mechanism	Develop Storm Water Ordinance on April 6, 2005 to provide the legal authority for regulating illegal discharge and provide for enforcement activities.	√				√	
3.7 Sanitary sewer system map	Inventory of sewer infrastructure for proximity information related to storm drainage infrastructure to identify and reduce discharges from any illicit sanitary sewer connections or sewer overflows.	√				√	
3.8 Watch list for illicit connections	Awareness for City employees of those businesses that may be the source of potential illicit discharges into the storm drain system. Industry awareness that various facilities are subject to random investigations for illicit discharges. Result is reduced sources of non-storm water pollutant loading into the City's system.	√				√	
3.9 Industrial/business connections	Accountability for undocumented connections to storm drain system. Compliance encouraged. Objective is to identify unknown connections and assess if the connections are to be disconnected or may remain in service (depending upon the composition of the discharge, i.e. storm water or non-storm water). As a result, the City will have a more complete map of points of storm water discharge into the City's system, and/or reduce sources of non-storm water pollutant loading into the City's system.			√		√	
3.10 Review and Identification of Non-Storm Water Discharges	Objective is to determine other significant sources of pollutants that enter the storm drain system, and work toward reducing them through public education and other BMPs appropriate for the discharges determined to be significant by the RWQCB Executive Officer.			√		√	

**B. General Summary**

Though the City has advertised the existence of the Illicit Discharge Hotline phone number (831-223-5188) in the City web site, the Soledad Times articles and in the brochures to provide the residents the opportunity to report illicit or suspected illicit discharges to the existing storm water system, the hotline was not used to report any storm water incident in the fourth permit year. Only one incident was reported to the Code Enforcement Officer to denounce cooking oil spill outside two restaurants in a shopping center.

The City inspected the “hot spots” areas observed in the third permit year when the catch basins were cleaned and no activity of pollution was observed in this reporting year.

The existing storm drain system and the sanitary sewer system continued to be updated to reflect the new construction, and the schematics can be found in Figure 3-1 and Figure 3-2 respectively. Schematic are updated based on the available information provided to Staff.

Although the City successfully implemented several goals in this reporting year, the City has not been able to provide accountability of undocumented connections to the City’s storm drain system, and to develop and implement a plan that will review the 17 specific no-storm water discharges.



Figure 3-2: Existing Sanitary Sewer System – Fourth Permit Year



Existing Sanitary Sewer System

Figure 3-2

**C. Status of Measurable Goals**

During the fourth permit year, approximately 60 percent of the measurable goals were achieved, and the remained goals that were not implemented entirely will be completed and implemented in the fifth permit year.

**D. Appropriateness**

The appropriateness of this BMP during the fourth permit year cannot be fully measured and analyzed since the City could not fully implement each goal.

The reduction of pollution in the “hot spots” found in the previous reporting year cannot be fully interpreted as success. For instance, the current meltdown of housing market could affect the location of the polluters and “hot spots” that were detected in the previous year. Many City residents have lost their properties in the past months; and other residents have purchased new ones in different areas of the town and they are jumping from one location to another location based on the properties prices; therefore it is uncertain to know if the polluters that were observed last year just moved their residence location during this reporting period.

It is unclear at this point to establish if the “hot spots” have disappeared from the City based on the current market crises that the City is suffering, the only certain thing to do is to maintain vigilance in the storm water system to detect any illicit activity and establish the new “hot spots.”

**E. Effectiveness**

The effectiveness of the implemented goals in the fourth permit year cannot be fully measured since 1) not all the goals were implemented and 2) the housing meltdown could affect the location of the “hot spots” that were detected in the previous year.

Maintaining a continuo monitoring of the outfalls, increase the opportunity to stop pollution problems when they are detected in routine inspection.

**F. Proposed Modifications**

Since not all the measurable goals were implemented in this reporting period, the City is proposing the following modifications for the fifth permit year:

➤ **i. BMPs**

**BMP 3.2**

Despite the fact that the existing outfalls are required to be inspected annually in the

reporting period, the City could not accomplish this goal in the fourth permit year. The outfalls were inspected in the month of December 2008 of the fifth reporting year.

To comply with the requirements of this goal, the City will conduct another routine inspection since routine inspection can prevent the entrance of pollutants into the storm drain system or into the river.

#### BMP 3.8

The “watch list” created during the Third Permit Year was not updated in the fourth permit year and it was not possible to investigate and track the high-profile businesses that were listed in the previous.

The City will update the “watch list” created in the third permit year and it will investigate and track the high-profile businesses; such as auto mechanical places, and restaurants, in the fifth permit year, and will keep updating the “watch list” annually by comparing the list every year.

#### BMP 3.9

Accountability for illicit connections to the storm drain system was another goal that was not accomplished in the fourth permit year. Although, it was proposed to start the distribution of letters to existing business in this reporting period, the City was unable to enforce this goal. Last year, the City projected to enforce this goal in conjunction with the implementation of the water cross connection program that was under development. Unfortunately, the cross connection program was not completed and this goal could not be developed during this reporting period. The full execution of this goal will be accomplished in the fifth permit year.

#### BMP 3.10

The review and identification of non-storm water discharges goal was not implemented in the fourth permit year.

City will develop and implement a plan that will review the 17 specific non-storm water discharges in the fifth permit year.

### **G. Results**

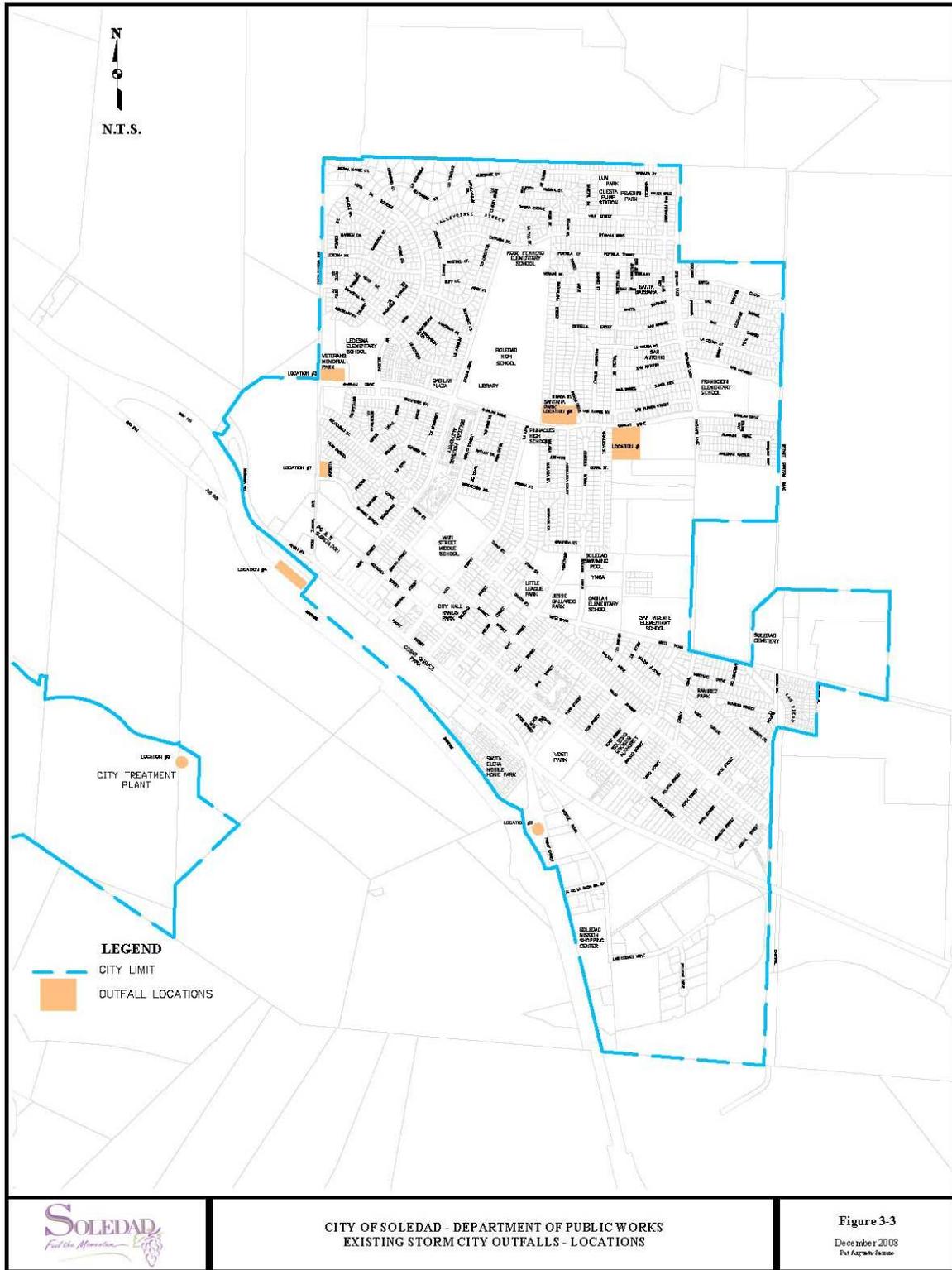
Only one illicit was reported, investigated and documented in the month of October 2007. The incident was related to cooking oil that was spilled on the street outside two restaurants located in a shopping center. The spilled cooking oil did not reach a catch basin due to the prompt intervention of the City staff that was alerted by a phone call that reached the Code Enforcement Officer.

The list of the outfalls inspected in the month of December can be found in Table 3-2, Figure 3-3 shows the location of the outfalls and Appendix A illustrates the conditions of the outfalls during the inspection conducted by City personnel.

**Table 3-2: Existing City Outfalls**

<b>Outfall Number</b>	<b>Outfall Name/Location</b>	<b>Basin Type</b>	<b>Inspection Date</b>
1	Basin pond along Gabilan Street/Toledo Street	Retention	11/25/2008
2	Santana Park along Prado and Gabilan Street	Detention	11/25/2008
3	Veterans Memorial Park at Gabilan Street & San Vicente	Detention	11/25/2008
4	Basin pond at Front Street / West Street	Retention	11/25/2008
5	City Treatment Plant Area - Headwork		11/25/2008
6	Nestles Road Outfall - Front Street & Nestles Road		11/25/2008
7	Basin Pond at Market Street / San Vicente	Detention	11/25/2008

Figure 3-3: Existing City Outfalls - Location



**H. Summary**

The storm water activities that will be implemented during the fifth permit year are discussed in Table 3-3.

**Table 3-3: Illicit Discharge Detection and Elimination – Proposed Measurable Goals**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
3.1 Storm drain system map.	Permit Year 1: Update storm water map with existing known facilities by Summer First Permit Year MG: Map updated		√	√	City will continue to update the existing storm drain system map to show new projects as they are constructed in the fifth permit year.
3.2 Storm Drain Outfall Inspections.	Permit Year 1: Establish baseline conditions for all outfall structures MG: 100% outfall structures inspected, logged, and photographed	√		No	Since the existing outfalls were inspected until the month of November 2008, the City will conduct another routine maintenance in this permit year.
3.3 Illegal dumping reporting.	Permit Year 1: Hotline for reports of illegal dumping in place and log begun documenting each report MG: Hotline voice mailbox set up, number of calls documented		√	√	Ongoing task that will continue in the fifth permit year. Although the “hotline” was not used to report illicit discharges in this reporting year, the hotline will continue to be accessible for the residents in the next permit year..

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
3.4 Illegal dumping documenting and monitoring	Permit Year 2: Numeric & qualitative analysis of all reports documented over the first Permit Year. Development of criteria for consideration of "hot spots." MG: Discharge types documented, number of discharges tracked & cleaned up, documented. "Hot spot" criteria determined.		√	√	<p>Ongoing task that will continue in the fifth permit year.</p> <p>Only one illicit discharge was denounced in this reporting period. No contamination was found inside the catch basin.</p> <p>The prompt action of the City staff prevented a larger problem.</p> <p>It was observed that the cooperation between City Departments assisted in the prompt action to control the spill.</p> <p>The Code Enforcement Officer from the Community Development Department received the report and the coordination of this Department with the Public Works Department prevented a major incident.</p> <p>Two prevent future incidents with cooking oil, the owner of the shopping center who was previously informed about the consequences of illicit discharges, discussed the issue with his tenants. This was a second problem of illicit discharge in this shopping center.</p>
3.5 Illegal dumping investigations and tracking of "Hot Spots"	Permit Year 2: Initiate formal investigations & tracking for "hot-spots" by Oct. of Second Permit Year MG: Number investigations/hot spot established, tracking records developed		√	√	<p>Ongoing task what will continue to be implemented in the fifth permit year.</p>

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
3.6 Adopt ordinance, including an enforcement mechanism	Complete ordinance by Dec. of First Permit Year. MG: Ordinance adopted		√	Adopted on April 6, 2005	Completed task.
3.7 Sanitary sewer system map	Permit Year 1: Update sewer map with existing known facilities by Summer First Permit Year MG: Map updated		√	√	Ongoing task that is updated with available information.
3.8 Watch list for illicit connections	Permit Year 3: All City businesses to be grouped and profiled for potential of having non-storm water discharges into the City storm sewer system. MG: 100% businesses profiled and "watch list" created.	√		No	Hence this goal was not completed in this period year, full implementation of this goal will be accomplished in the fifth permit year.
3.9 Industrial/business connections	Permit Year 3: Letter mailed out to all businesses by Oct of Third Permit Year MG: Letter sent to 100% businesses.	√		No.	Hence this goal was not completed in this period year, full implementation of this goal will be accomplished in the fifth permit year.
3.10 Review and Identification of Non-Storm Water Discharges	Permit Year 3: Plan developed MG: Breakdown of planned evaluation technique for each discharge developed.	√		No.	Hence this goal was not completed in this period year, full implementation of this goal will be accomplished in the fifth permit year.

## 4. Construction Site Storm Water Control

### A. Introduction

The status, the effectiveness and measured goals of the seven BMPs of the Construction Site Storm Water Control implemented during the fourth permit year are summarized in Table 4-1. Proposed modifications to the existing BMPs are also illustrated in Table 4-2.

**Table 4-1: Construction Site Storm Water Control - Status**

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
4.1 Regulatory mechanism for controlling polluted runoff from construction sites.	To enforce compliance in developing and implementing erosion and sediment controls from construction site storm water runoff.	√			√		
4.2 Construction site BMPs for controlling erosion & sediment at site.	To ensure effective and appropriate use of available erosion and sediment control measures on an individual construction site basis.	√			√		
4.3 SWPPP Requirements and Guidelines	Formalized legal responsibility and accountability for effectively reducing sediment, erosion, and on-site chemical runoff associated with construction operations.	√			√		
4.4 Tracking of sites >1 acre with associated erosion & sediment control measures	Tracking mechanism for ensuring 100% of all sites are accounted for in implementing the associated BMPs as described and approved in their SWPPP.	√			√		

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
4.5 Inspections for sediment & erosion control.	All construction sites $\geq 1$ acre inspected, prioritized, and tracked by the City. Prioritization will give more attention to those sites that may have the greatest impact to compromising water quality to ensure the Contractor is held accountable for the BMPs that require implementation during construction.	√			√		
4.6 Penalties for non-compliance with runoff control measures	All construction sites $\geq 1$ acre tracked and, when necessary, penalized for non-compliance. Provides incentives to Contractor for proper implementation of construction site BMPs, thereby reducing sediment and construction waste chemicals that would otherwise enter the City's storm drain system from these sites.	√			√		
4.7 Procedures for receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities	Information source and reporting on construction site runoff control measures available to public.	√			√		

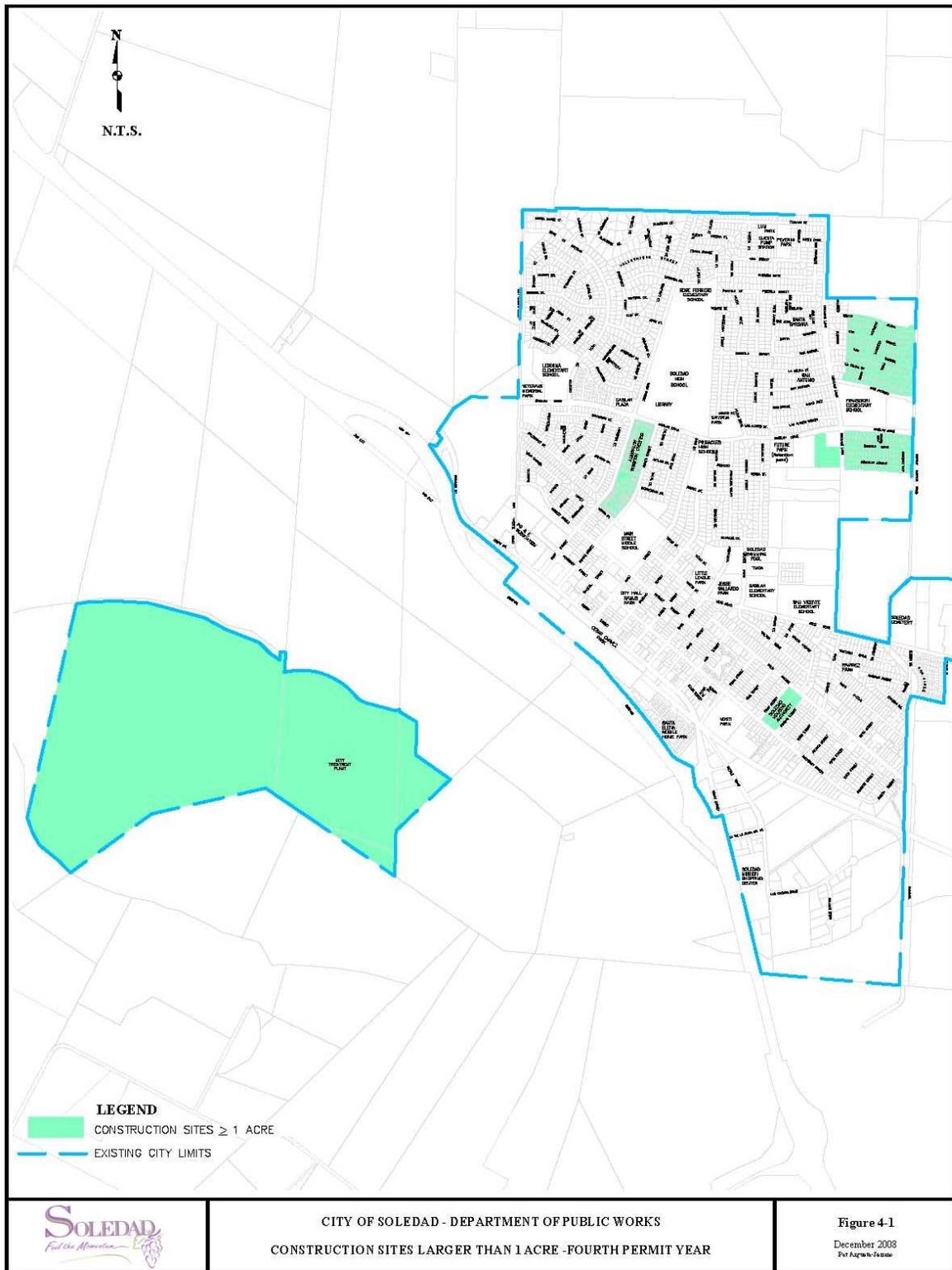
**B. General Summary**

Construction sites that disturb more than 1 acre or are part of a larger common plan of development or sale that will disturb more than 1 acre are required to prepare a Storm Water Pollution Prevention Plan (SWPPP) and must submit copies of the SWPPP and Notice of Intent (NOI) that certifies that the plan meets the requirements. Construction sites that are less than 1 acre or disturb less than 1 acre have an Erosion and Control Plan.

To enforce compliance with regulations, each project is reviewed by both the Community Development Department and the Public Works Department, and each project is inspected for compliances with the City requirements during the construction phase.

During the fourth permit year, new subdivisions larger than 1-acre started constructions and existing subdivisions larger than 1-acre continued their construction activities in the fourth permit year and Figure 4-1 illustrates the areas that show construction sites larger than 1 acre in this reporting period. No major violations for storm water compliance for projects that were larger than 1 acre were reported in the fourth permit year.

Figure 4-1: Construction sites larger than 1-acre – Fourth Permit Year



**C. Status of Measurable Goals**

During the fourth permit year approximately 80% of the measurable goals were implemented and achieved.

**D. Appropriateness**

The implemented construction site storm water control minimum measures in the fourth permit year were appropriate for the permit. Monitoring the construction sites for compliance with their SWPPP and Erosion Control Plan prevents construction site runoff to reach the City's storm drainage system.

**E. Effectiveness**

The effectiveness of the measurable goals is dictated by the correct enforcement of each City and state requirements. Enforcing correctly the implementation of the Storm Water Quality Ordinance is the main key to prevent sediments leaving the construction site.

Currently, determining the effectiveness of the goals in this reporting period is difficult to ascertain. Although, there were no reports of major violations at the construction site, it is important to maintain or improve the level of communication between each City Department and staff to ensure full compliance of the Storm Water Quality Ordinance and all the measurable goals. Maintain a record available to City staff that describe the type of inspections perform at each construction site will assist City Staff to maintain a better control of each construction site.

Practicing the same level of inspection in each site and employ the same enforcement to all projects can provide a more effective outcome and will be easier to estimate the effectiveness employed.

**F. Proposed Modifications**

Since not all the measurable goals were implemented in this reporting period, the City is proposing the following modifications for the fifth permit year:



**i. BMPs**

**BMP 4.7**

Maintain an accurate log of construction sites and their associated SWPPP information available for public inquires was not accomplish in this reporting year.

Last reporting year, City Staff started to place information regarding the available construction site storm water control measures in the City web site as a part of the information source available for the public; however, the full completion and enforcement of this BMP was not achieved in the fourth permit year. The two flyers displayed last reporting year in the City web site were copies of the materials prepared by the Environmental Protection Agency (EPA):

- 1) Maintain your BMPs
- 2) Stormwater and the Construction Industry – Planning and Implementing Erosion and Sediment Control Practices.

The full completion and implementation of this BMP will be accomplished in this current fifth permit year by the City of Soledad.

**G. Results**

No results were observed this reporting year since not all the goals were implemented.

## H. Summary

The storm water activities that will be implemented during the fifth permit year are discussed in Table 4-2.

**Table 4-2: Construction Site Storm Water Control – Proposed Measurable Goals**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
4.1 Regulatory mechanism for controlling polluted runoff from construction sites.	Complete ordinance by Dec First Permit Year MG: Ordinance adopted			√	Adopted on April 6, 2005
4.2 Construction site BMPs for controlling erosion & sediment at site	MG: List of acceptable reference materials and resources developed and available to public			√	100% completed. The City Design Standards and Standards Specifications list the requirements that developments/contractor have to provide with new plans. The City Engineer conducted plan checks on a case-by-case basis. Documents used during the plan-check phases are the existing City Storm Water Ordinance, the California Stormwater Quality Association (CSQA) Construction Handbook, and by checking that plans meet the existing City BMPs
4.3 SWPPP Requirements and Guidelines	Permit Year 1: Model SWPPP developed; NOI & SWPPP required upon adoption of ordinance. MG: 100% sites ≥1 acre with SWPPPs			√	100% completed.  City Engineer developed model SWPPP based on the existing Storm Ordinance, the existing City BMPs, and the CASQA Construction Handbook' equipments.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
4.4 Tracking of sites >1 acre with associated erosion & sediment control measures	Permit Years 1-5: Log of construction sites developed and maintained by City. MG: 100% all construction sites ≥1 acre logged & tracked		√	√	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
4.5 Inspections for sediment & erosion control	Permit Year 1: City will develop prioritization criteria and inspection checklist. MG: Prioritization criteria and checklist developed		√	100% completed. Checklist created by City Engineer.	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
4.6 Penalties for non-compliance with runoff control measures	Permit Year 1: Enforcement procedures and tracking to be developed. MG: Enforcement & tracking procedures detailed in writing		√	100% completed City Inspectors enforce Ordinance.	Ongoing practice. City will continue implementing this BMP in the fifth permit year.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
4.7 Procedures for receipt and consideration of public inquiries, concerns, and information submitted regarding local construction activities	Permit Year 3-5: Website to include information related to construction site runoff control requirements and reporting by Sept. of Third Permit Year. MG: Information on construction site storm water runoff added to website, number of reports called in documented, follow-up on 100% of reports achieved	√		No	The full completion and implementation of this BMP will be accomplished in the fifth permit year.

## 5. Post-Construction Storm Water Management in New Development and Redevelopment

### A. Introduction

The status, the effectiveness and measured goals of the five BMPs of the Post-Construction Storm Water Management in New Development and Redevelopment implemented during the fourth permit year are summarized in Table 5-1. Proposed modifications to the existing BMPs are also illustrated in Table 5-2.

**Table 5-1: Post-Construction Storm Water Management in New Development & Redevelopment - Status**

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
5.1 Site design requirements for new development and redevelopment	Limiting the amount of impervious surfaces for new developments reduces the amount of storm water runoff into the City's storm sewer system, thus reducing the amount of sediment and vehicle-generated pollutants entering the system. Requirements for developers to stencil any new catch basins upon construction will reduce the amount of trash and motor oil that would otherwise enter the City's storm sewer system.	√			√		
5.2 Storage or detention BMPs controlling storm water	Ensuring flows from newly developed or redeveloped areas will be detained before entering storm drainage system to reduce sediment loading into the Salinas River.	√			√		
5.3 Post-Construction storm water runoff strategies and design standards	Storm water runoff strategies are site-specific, and require analysis on a case-by-case basis. The City defaults to the existing, State-accepted BMPs published in various reference materials to ensure that, as the State requirements for controls are updated, so too are the City's requirements.	√			√		

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
5.4 Adopt ordinance, including an enforcement mechanism	To require compliance with implementation of site development controls (as established by the City and outlined in Attachment 4) that prevent or minimize water quality impacts.	√			√		
5.5 Long-term operations and maintenance of BMPs	Procedures in place for staff to conduct inspections and for compliance to be measured and tracked both for implementation of controls and operations and maintenance of those controls. Implementation of this BMP will effectively minimize, and in some cases prevent, erosion and sediment loading into the City's storm sewer system.	√			√		

**B. General Summary**

Any construction site in the City limits is required to meet post construction erosion control measures to prevent pollutants and sediments to travel into the storm water system.

Currently three projects with post construction runoff control exist in the City. To ensure proper installation and performance of the post construction measurements existing in each project, inspection and maintenance of post construction devices prior the rainy season is necessary to enforce; unfortunately, constant monitoring of the post construction devices installed in the City-right of way in the fourth permit year was not achieved.

During the fourth permit year, the City continued utilizing its existing Storm Water Quality and local requirements for construction site sediment and erosion control. Since the City is subject to Attachment 4 (Supplemental Provisions) of the General Permit, the City requires that each new project must adhere to the requirements of Attachment 4.

**C. Status of Measurable Goals**

All the measurable goals in fourth permit year were achieved but it is important to maintain a constant inspection of the projects that have post-construction devices to ensure performance.

**D. Appropriateness**

The enforcement of the post construction BMPs in the construction site has been facilitated by the adoption of the Storm Water Quality Ordinance in the first permit year.

The proper installation and maintenance of the post construction devices can reduce the impacts of development in receiving waters.

**E. Effectiveness**

To ensure the functionality of the post construction devices, the City has to maintain a constant vigilance with the construction sites.

**F. Proposed Modifications**

Currently, the City is not proposing any modifications.

**G. Results**

No results were reported in this reporting year.

**H. Summary**

The storm water activities that will be implemented during the fifth permit year are discussed in Table 5-2.

**Table 5-2: Post-Construction Storm Water Management in New Development & Redevelopment – Proposed Measurable Goal**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
5.1 Site design requirements for new development and redevelopment	Permit Years 2-5: Incorporate storm drain stenciling as a site design requirement beginning Second Permit Year. MG: 100% of new- and re-development sites to have stenciled drainage inlets prior to receiving Notice of Termination		√	Yes	City Design Standards incorporates the addition of the storm drain stenciling.
5.2 Storage or detention BMPs controlling storm water	MG: 100% of all new- or redevelopment sites will divert min. 75% storm water runoff into detention basin.		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
5.3 Post-Construction storm water runoff strategies and design standards	The City will require developers and planning and development plan review staff to adhere to the requirements of Attachment 4 of the General Permit, beginning in the Second Permit Year. MG: 100% of new- and re-development "priority project" sites will comply with Attachment 4 design standards, and 100% of all other new- and re-development sites will implement City-approved post-construction BMPs		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
5.4 Adopt ordinance, including an enforcement mechanism	Complete ordinance by Dec. of First Permit Year MG: Ordinance adopted		√	Adopted on April 6, 2005	

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
5.5 Long-term operations and maintenance of BMPs	Inspection procedures, database, and log sheet to be developed by end of First Permit Year. Requirements for reporting by developers, homeowners associations, and City maintenance staff to be finalized also by end First Permit Year. MG: Procedures and log developed, reporting requirements developed		√	100% completed	Ongoing practice. City will continue implementing this BMP in the fifth permit year.

## 6. Pollution Prevention and Good Housekeeping for Municipal Operations

### A. Introduction

The status, the effectiveness and measured goals of the eleven BMPs of the Construction Site Storm Water Control implemented during the fourth permit year are summarized in Table 6-1. Proposed modifications to the existing BMPs are also illustrated in Table 6-2.

**Table 6-1: Pollution Prevention & Good Housekeeping for Municipal Operations - Status**

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
6.1 Street sweeping	Preventing specific pollutants of concern* from entering storm water system. *See also BMP 6.11	√				√	
6.2 Routine cleaning of drainage inlets	Prevent loading of specific pollutants of concern* before leaving the City limits. *See also BMP 6.11	√				√	
6.3 Guidelines for cleaning of vehicle parts	Established record-keeping of waste basin-unit use	√			√		
6.4 Used oil disposal	Established record-keeping for used-oil pick up	√			√		
6.5 Hazardous materials storage	Proper hazardous materials storage	√			√		
6.6 Hazardous materials training for City employees	Training for liability mitigation and education on ways to reduce the use of hazardous materials in City maintenance activities (for example, other products that may be used to reduce pesticides used for City parks).	√			√		

BMP	Description	Status					
		Implemented	Not Applicable	Modified <sup>1</sup>	Effective	Unknown	Not Effective
6.7 Employee training on storm water management and BMPs	Up-to-date information on storm water management and BMPs. Training for liability mitigation and protection of City's infrastructure system.	√			√		
6.8 Spill response	Immediate action to contain and cleanup spills	√			√		
6.9 Record keeping of spills, leaks, and other discharges at a facility	Tracking of spills, leaks, and other discharges by facility	√			√		
6.10 Staff Survey	Measure of SWMP effectiveness under current regulations. Objective is to determine known sources of pollution and/or especially problematic/pervasive areas or activities contributing to pollution in storm water, and work toward reducing these sources and activities.			√		√	
6.11 Annual Testing for Pollutants of Concern	Objective is to effectively measure what pollutants are found in distinct areas of the City to better determine what activities may be employed to reduce those specific pollutants from entering the storm drain system in the future.			√		√	

**B. Introduction**

The City of Soledad has continued to accomplish several of the municipal operations including the street sweeping program, the used oil disposal, and the hazardous material storage, responding to spill incidents, taking the annual employee training, and preparing the hazardous material training.

Since the City residents pay a monthly fee of \$6 for sweeping and graffiti, the streets are swept once a week. These removals of sediments from the streets prevent deposits of sand and garbage from collecting on the roads and migrate to the storm water system.

The joint hazardous material training class, First Responder Operation, was successful held on September 10, 2008, and the annual employee training on storm water management and BMPs was held on July 15, 2008, and the first staff survey was distributed also in this reporting period.

Having an annual training provides the opportunity to teach the importance of the implementation of the Storm Water Management Program to new employees and also provides a good reminder to the existing staff.

**C. Status of Measurable Goals**

Though the majority of the measurable goals were accomplished in the fourth permit year, 25% of the goals could not be fully implemented.

**D. Appropriateness**

The implemented measurable goals in this reporting period appear appropriate in the reduction and prevention of storm water pollution.

**E. Effectiveness**

The implemented goals in the fourth permit year do not provide enough data to quantify its effectiveness.

**F. Proposed Modifications**

The proposed modifications needed for this reporting period were BMP 6.2, BMP 6.6, BMP 6.10 and BMP 6.11.



**i. BMPs**

**BMP 6.2**

Approximately only twenty-five percent of the existing storm drainage inlets were cleaned prior to rainy season. The cleaned area is located mainly in the old section of the town, Monterey Street and Front Street. Since the clean-out achieved in the fourth permit year did not fulfill the requirements of the permit, the City will inspect and log each inlet to determine potential storm water problems and will full clean out the required inlets in the fifth permit year.

**BMP 6.6**

The annual hazardous material training to reduce the use of hazardous materials in the City maintenance activities, such as pesticides, was only performed twice a year in this reporting period. According to Public Works Department personal, the training is only conducted every six months.

City is proposing to conduct the training only twice years since some of the employees have pesticides licenses that require annual training classes instead of the 12 hazardous material training required in the permit.

**BMP 6.10**

The first questionnaire was distributed in this reporting period, but the incorporation of the survey findings to address feedback to be incorporated in the SWMP was not completed. In the fifth permit year, City will analyze and discuss findings to obtain feedback to be addressed in a meeting with Public Works Staff. If modifications are needed based on survey outcome, a new survey will be conducted to obtain new feedbacks that can be used to improve BMPs implantation.

**BMP 6.11**

The annual testing for pollutants in the City outfalls was not conducted in the fourth permit year since the amount of rain fund in the outfall sites was not enough for sampling in the fourth permit year. The City will continue to achieve the completion of this goal in the fifth permit year.

**G. Results**

The results obtained in the fourth permit year are the following:

- 1) Street sweeping program: according to Public Works Department personnel, the approximate volume of debris collected in the fourth permit year was approximately 25 yd<sup>3</sup> per week.
- 2) Approximately twenty five percent of the total storm inlets were cleaned in this reporting year.

- 3) Second joint hazardous material training program that included the Police, the Fire and Public Works Department was held on September 10, 2008.
- 4) Annual training session given to Public Works Staff was conducted on July 15, 2008. The speaker of the training session was Sonny Vaughn, the Storm Water Coordinator.
- 5) No samples were collected in this reporting year since no sufficient rainfall was found in the outfalls inspected.

**H. Summary**

The storm water activities that will be implemented during the fifth permit year are discussed in Table 6-2.

**Table 6-2: Post-Construction Storm Water Management in New Development & Redevelopment – Proposed Measurable Goal**

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
6.1 Street sweeping	MG: Schedule prepared, volume of removed materials documented		√	Yes	The current residents' fees allow this practice to be achieved on a weekly basis.
6.2 Routine cleaning of drainage inlets	Permit Year 1: City will have a log of each inlet in storm drainage system with cleaning tallies beginning Fall of First Permit Year MG: 100% inlets logged	√		No	Only 25% were accomplished in the fourth permit year. 100% of the inlets will inspect and clean in the fifth permit year.
6.3 Guidelines for cleaning of vehicle parts	Permit Year 1: City will develop log by Summer First Permit Year. MG: Log developed		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
6.4 Used oil disposal	Permit Year 1: City will develop log by Summer First Permit Year MG: Log developed		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
6.5 Hazardous materials storage	MG: 100% hazardous materials stored in proper facility and per proper guidelines		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
6.6 Hazardous materials training for City employees	Permit Years 1-5: City will have sign-up sheet for staff at each PW safety training by Winter of First Permit Year MG: 75% PW Staff attending min. 12 Haz mat trainings/yr	√		Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year. The hazardous material use collection and disposal is proposed to be conducted only twice a year instead of the 12 hazardous material training required in the permit.
6.7 Employee training on storm water management and BMPs	Permit Year 2: First training session held at PW staff meeting addressing new information taught to Inspector by Summer Second Permit Year MG: Training session held; 50% PW staff in attendance for training session.		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
6.8 Spill response	MG: 100% spills responded to		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
6.9 Record keeping of spills, leaks, and other discharges at a facility	MG: 100% occurrences documented		√	Yes	Ongoing practice. City will continue implementing this BMP in the fifth permit year.
6.10 Staff Survey	Questionnaire will be distributed by June 30 and collected by July 15 (each year) beginning in Third Permit Year. SWMP reporting to RWQCB in September each year will incorporate findings. MG: 75% of City PW staff to provide feedback; plan to address feedback developed and incorporated into the SWMP.	√		No.	Distribution of questionnaires was accomplished in this reporting period, but the analysis of the survey was not completed. City is proposing to analyze the results and if feedbacks were obtained from survey that can improve the SWMP, the City will conduct another survey in the fifth permit year to compare results.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
6.11 Annual Testing for Pollutants of Concern	Testing to begin in First Year Permit MG: Volume pollutants prevented from leaving City limits calculated; reduction in pollutant levels present in samples determined, plans for applying data to SWMP activities developed.	√		Although no samples were collected during the third permit year because not enough runoff was available at the time of collection, City has continued sending Staff to grab samples at the seven outfalls and detention ponds after a heavy rain is present.	Ongoing practice. Although no samples were collected in this reporting year because not enough rain was collected after the storm, City will continue sending Staff to grab samples at the seven outfalls after the first heavy storm.

## Section 4 – Certification

*"I certify under penalty of law that this document and all attachments were prepared under my direction or 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, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

*Clifton W Price*

*12/19/08*

Signature of Permittee (legally responsible person)

Date Signed

*Clifton W Price*

Clifton W. Price

Public Works Director

*Edward N. Vaughn*

Edward N. Vaughn,

Utility Supervisor & Storm Water Coordinator

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## APPENDIX A

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# Soledad Outfalls

**OUTFALL NUMBER 1:**



*Retention Pond located along Gabilan Street.*

**OUTFALL NUMBER 2:**



*Detention Pond located at Santana Park.*

**OUTFALL NUMBER 3:**



*Detention Pond located at Veterans Memorial Park.*

**OUTFALL NUMBER 4:**



*Retention Pond located along Front Street and Highway 101.*

**OUTFALL NUMBER 5:**



*Outfall located at treatment plant.*

**OUTFALL NUMBER 6:**



*Outfall located at the intersection of Front Street and Nestles Road.*

**OUTFALL NUMBER 7:**



*Detention Pond located at Market Street and San Vincente.*