

## **Construction Site Storm Water Control**

### **Additional Activities Implemented**

- The City worked with the Upper Salinas-Las Tablas Resource Conservation District and San Luis Obispo County Planning and Building Department to hold a workshop on Erosion Control for Contractors, Engineers, Developers, & Planners. This course was designed to provide contractors with effective and easily achievable methods to reduce soil erosion from construction sites and development projects. See Appendix D for the information sheet and photos.

### **BMP CS-1: Develop City Storm Water Pollution Prevention Inspection Program**

#### **i. General Summary**

Sites that are greater than or equal to 1 acre or less than 1 acre that are part of a larger project are required to prepare a Storm Water Pollution Prevention Plan (SWPPP) and must submit a SWPPP checklist certifying that the plan meets the requirements. Sites are inspected during the grading and building phases for compliance with the SWPPP. Sites less than 1 acre must have an Erosion and Control Plan and are inspected for compliance with the plan.

#### **ii. Status of Measurable Goals**

CA-1A: # and % of projects receiving a grading permit (Year 3), ranked by size of overall project (between 1 and 5 acres, and greater than 5 acres).

The Building Department issued 26 grading permits. 7 projects (26%) of the grading permit applicants were required to submit a SWPPP and SWPPP checklist to the City. Out of the 7 projects, 5 were between 1 and 5 acres and two were over 5 acres.

CA-1B: # and % of projects inspected resulting in enforcement actions taken for noncompliance with the SWPPP, Grading Ordinance, or Erosion Control Plan and the type of enforcement taken. (Year 3)

The City did not note any violations for storm water compliance for projects that were 1 acre or larger in size. The number of grading permits issued has dropped significantly from previous years and grading of the projects being done in the dry months could be the reason why no violations were noted. The inspections at these sites were not tracked in a manner in which the type of inspection, (grading, storm water, etc.), could be counted. Therefore it could not be determined how many grading inspections were conducted. This will be corrected in Year 4.

In addition to inspections at sites that are greater than or equal to 1 acre, the City's Building Department also inspects projects less than one acre in size for storm water violations and for compliance with the Erosion Control Plan during the building process. The Building Inspectors conducted over 3800 site inspections. There were 9 storm water complaints received and various storm water violations noted. The inspectors conducted on site inspections, contacted the contractor and required the violations to be corrected immediately. The City will develop a system to track the

number of storm water violations at sites less than 1 acre in size.

CA-1C: # of repeat offenders as well as the increase or decrease of enforcement actions taken and types of offenses.

There were no repeat offenders for projects 1 acre in size or larger.

**iii. Appropriateness**

Construction sites are common sources of storm water pollution. Inspecting sites for compliance with the SWPPP and Erosion and Control Plan can eliminate construction site runoff which is a common source of pollutants such as sediments.

**iv. Effectiveness**

This BMP is consistent with CASQA Levels 1 through Level 4. All construction sites are inspected for storm water runoff and required to correct any storm water violations. This reduces the loads from construction sites and makes contractors more aware of storm water requirements.

**v. Proposed Modifications**

No modifications are proposed.

**vi. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle.**

The City will develop a system for tracking grading inspections and storm water violations, and continue to document the # of projects requiring a SWPPP and the # and % of projects inspected resulting in enforcement actions. If enforcement actions are taken, the # and types of offenses will be documented. The City will also develop a method for tracking storm water violations for building sites less than 1 acre in size.

**BMP CS-2: Revise Grading Ordinance**

**i. General Summary**

The City's grading ordinance will be revised to ensure that proposed projects adhere to attachment 4 criteria and the LID Manual.

**ii. Status of Measurable Goals**

CS-2: Continue revising the grading ordinance to include references to the General Construction Permit, Attachment 4 requirements, and the LID Manual.

In Year 2 a draft Grading Ordinance was developed using a template. However, the City's current grading ordinance is more comprehensive than the draft ordinance and includes requirements specific to the City. Therefore, the City will review and revise the current Grading Ordinance to include Attachment 4 requirements and references to the LID Design Manual and the State's General Construction Permit.

**iii. Appropriateness**

The most effective means to prevent storm water pollution is to control it at the site

during grading and after it is built. Ensuring that the City's grading ordinance requires proposed projects follow the State Construction Permit and adhere to attachment 4 criteria is expected to reduce the long term water quality impacts associated with development.

**iv. Effectiveness**

Revising the current grading ordinance to incorporate attachment 4 criteria and reference the LID Design Manual, expected to Reduce Loads from Sources, (CASQA level 4).

**v. Proposed Modifications**

No modifications are proposed.

**vi. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle.**

The City will be updating and revising the Grading Ordinance in conjunction with the development and adoption of the Low Impact Development Design Manual and will include references the State Construction Permit and Attachment 4. As stated previously, adopting the revised Ordinances and the LID Design Manual in Year 4 is a priority.

**BMP CS-3: Adoption of Existing BMP Manuals**

**i. General Summary**

Adopting commonly accepted construction best management practices manuals will help permit applicants prepare SWPPPs and Erosion and Control Plans.

**ii. Status of Measurable Goals**

CS-3: Adopt construction site BMP Manuals in Year 3. The adopted manuals will be referenced in the revised Grading Ordinance and links will be provided on the City's web site and construction handouts.

The City adopted the current versions of the Caltrans Construction Site Best Management Practices Handbook and the California Stormwater Quality Association's Construction Best Management Practices Manual. A reference to the manuals will be included in the revised Grading Ordinance and there are links on the City's storm water web page to both manuals at:

<http://www.prcity.com/government/departments/publicworks/stormwater/swmp-construction.asp>

**iii. Appropriateness**

Having a uniformly accepted standard for construction site BMPs will provide applicants with a clear understanding of expected BMPs and will allow construction site inspectors to become familiar with BMP details.

**iv. Effectiveness**

Adopting the manuals is consistent with CASQA Level 1.

**v. Proposed Modifications**

No modifications are proposed.

**vi. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle.**

A reference will be included in the Grading Ordinance to the current versions of the Caltrans Construction Site Best Management Practices Handbook and the CASQA Construction Best Management Practices Manual.

**BMP CS-4: Construction Outreach and Information Materials**

**i. General Summary**

The City prepared a construction handout in Year 2. This handout is given to all grading permit applicants.

**ii. Status of Measurable Goals**

*CS-4: Prepare construction community outreach/information materials. Beginning in Year 2, provide City construction contractors and developers with construction BMP Brochures and materials for distribution to permit applicants. The City will record the number of informational brochures/materials distributed to construction staff, as well as the percent of applicants receiving and/or using the brochures.*

The City distributed the construction outreach materials to all 26 grading permit applications (100%). The construction outreach materials are also available on the City's storm water web site listed in BMP CS-4.

**iii. Appropriateness**

Distributing construction outreach materials to grading permit applicants will give a clear understanding of expected site performance.

**iv. Effectiveness**

This BMP consistent with CASQA Level 2: Raising Awareness. The Construction outreach materials are intended to ultimately reduce loads from sources (CASQA level 4).

**v. Proposed Modifications**

No modifications are proposed.

**vi. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle.**

The City will continue to track the number of brochures distributed annual and % of applicants receiving the brochures during this reporting period. The brochures will be updated as the need arises.

**Table 12. Construction Site Storm Water Control**

<b>BMP</b>	<b>Description</b>	<b>Measurable Goal</b>	<b>Status</b>						
			<b>Implemented</b>	<b>On Schedule</b>	<b>Exceeded</b>	<b>Modified</b>	<b>Effective</b>	<b>Not Effective</b>	<b>Unknown</b>
<b>CS1</b>	Develop a City Storm Water Pollution Prevention Inspection Program	CS-1A: Track the # and % of projects receiving a grading permit. (Year 3)	Yes	Yes			X		
		CS-1B: Track the # and % of projects inspected resulting in enforcement actions. (Year 3)	Yes	Yes			X		
		CS-1C: Track the # of report offenders and types of offenses	Yes	Yes			X		
<b>CS2</b>	Revise Grading Ordinance	CS-2 Revise the grading ordinance. (Year 4)	No	No		X			
<b>CS3</b>	Adoption of Existing BMP Manuals	CS-3 Adopt construction site BMP manuals. (Year 3)	Yes	Yes					X
<b>CS4</b>	Construction Outreach and Information Materials	CS-4: # of brochures distributed annual and % of applicants receiving the brochures. (Ongoing)	Yes	Yes					X