ANNUAL REPORT

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

(See Small MS4 Annual Report Guidance for additional guidance on completing this Annual Report Form)

Check box if this is a new name, address, etc.

A. Permittee Information

1. Permittee (Agency Name): City of Grass Valley ☐
2. Contact Person: Jeff Jewett P.E., Director of Public Works ☒
3. Mailing Address: 125 East Main Street ☐
4. City, State and Zip Code: Grass Valley, CA 95945 ☐
5. Contact Phone Number: (530) 274-4350 ☒
6. WDID # 5A29NP00005
7. Have any areas been added to the MS4 due to annexation or other legal means? ☒ YES ☐ NO

If YES

Outfall	Has map been updated?		Has SWMP been updated?		Receiving Water Name
	YES	NO	YES	NO	
Glenbrook Area	X			X	Wolf Creek

8. Are you subject to the Design Standards contained in Attachment 4 of the General Permit? ☐ YES ☒ NO

If yes, report on the implementation of the Design Standards in section D.5 of this Annual Report Form.

B. Reporting Period (check one):

(Report is due by September 15 each year)

- ☐ Coverage Commencement **–or -**
- ☐ July 1, 2004 to June 30, 2005
- ☒ July 1, 2005 to June 30, 2006
- ☐ July 1, 2006 to June 30, 2007
- ☐ July 1, 2007 to June 30, 2008

C. Executive Summary

Effective: Sweeping operations removed 431 tons of material, over approximately 50 miles of roads swept. South Yuba River Citizens League removed 7,508 pounds of trash and 1,659 pounds of recyclables at 25 sites. Street crews cleaned out approximately 73 catch basins, removing 7,300 lbs.

In Compliance: Public Education: Modify; Public Involvement: Yes; Illicit discharge: Modify; Construction: Modify; Post construction: Modify; Pollution Prevention: Modify

Success: Coordination with Wolf Creek Community Alliance, South Yuba River Citizens League and Resource Conservation District.

Challenging Aspect: Funding necessary equipment and materials to implement SWMP. Coordination between various City Departments. Educating contractors regarding project SWPPPs and follow-up. Flooding late December 05 and March-April 06 involved crews in clean up and bank stabilization efforts.

D. Minimum Control Measures

Report on the status and effectiveness of BMPs and measurable goals by completely answering the following questions. Include any proposed modifications to the SWMP and anticipated changes to the schedule. You may use the tables provided and use narrative sections to highlight information. Alternatively, you may wish to only provide information in a narrative format. If the "Status of Measurable Goals" question is completely addressed by the table, you may write "see table" in that narrative section.

1. Public Education and Outreach

BMP	*Description*	*Status*					
		Implemented	Not Applicable	Modified	Effective	Unknown	Not Effective
PEO 1.1	Participate in public events to promote SWMP (ongoing)	X			X		
PEO 1.2	Create Logo for stormwater program			X			
PEO 1.3	Submit articles to the City newsletter	X				X	
PEO 1.4	Publish articles twice annually to local media			X			
PEO 1.5	Develop signs for ponds, streams, etc			X			
PEO 1.6a	Review web pages by other municipalities – continuous	X				X	
PEO 1.6b	Include information on Website	X				X	
PEO 2.1	Investigate K-12 school curriculums	X				X	
PEO 2.2	Discussed with RCD joint education effort			X			
PEO 2.3	Work with School District to develop K-12 curriculum	X				X	

a. BMPs

i. General summary

Public Events: Peabody Creek Restoration, City Council approved support for 200 hours manpower and/or equipment on 12/13/05. Public meeting on 9/7/06. City assisted in SYRCL clean up event 9/17/05. City has supported monitoring efforts on Peabody Creek by Wolf Creek Community Alliance. Articles in City newsletter discuss ways for residents to minimize storm drain impacts. Sweeper operator has advised residents when seeing potential impacts to storm drains. City has worked with Grass Valley Charter School on restoring native vegetation and removing invasive plants along Wolf Creek at the Glenn ones Park site. "Great Water Mysteries" presented at Hennessey School 4/3/06.

ii. Status of Measurable Goals

Most summarized items are on-going. Peabody restoration project is expected to occur within the next 2 years. City maintains a working relationship with SYRCL and Wolf Creek Community Alliance. Logo and signage not complete.

iii. Appropriateness

All BMPs in program are appropriate to the local population. There is a great deal of public interest in the local waterways and the City has met with groups to discuss joint efforts creating community awareness.

iv. Effectiveness

Effectiveness of public support is difficult to gauge. In general, there is a public awareness because various organizations are seeing more volunteers participate in projects. Schools do "hands on" projects to supplement teaching efforts.

v. Proposed Modifications

Move City logo and signage to year 5, 06/07.

b. Present results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

None

c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

City logo and signs in January - March 2007.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
SWMP logo	Create logo for signs at creeks, letterhead	X		Complete 06/07	X
Local Media	Articles @ SWMP 2 x year	X			2 x per year

2. Public Involvement and Participation

BMP	Description	Status					
		Implemented	Not Applicable	Modified[1]	Effective	Unknown	Not Effective
PIP 1.1	SWMP available for review	X				X	
PIP 1.2	Concurrent with Annual Permit – in progress	X				X	
PIP 2.1	Assist with annual stream clean up efforts	X			X		
PIP 2.2	Assist in storm drain stenciling	X			X		

a. BMPs

i. General summary

Partner with SYRCL for annual water shed cleanup. Two sites in Grass Valley - Wolf Creek at Glenn Jones Park (785 lbs. removed) and Peabody Creek (97 lbs. removed). City now maintains stencils that were previously installed. City may work with public groups on future Peabody Creek Restoration Project.

ii. Status of Measurable Goals

Ongoing effort.

iii. Appropriateness

SYRCL annual water shed cleanup removed 882 lbs. from Wolf Creek in Grass Valley and 9167 lbs. total from various watershed sites.

iv. Effectiveness

Volunteer groups are effective in "hands on" work and also in sharing information with the public.

v. Proposed Modifications

City now has primary responsibility to maintain the stencils on the drainage inlets.

b. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

Amount of trash removed from water sheds as referenced above.

c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

Continue to assist and support clean up and other projects by volunteer groups. Reports to various stakeholders and City Council.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
PPIP 1.1	Review with volunteers, advise public via website, media.		X		X
PPIP 1.2	With annual report		X		X
PIP 2.1	Annual Creek Cleanup efforts		X		X
PIP 2.2	Maintain stenciling Continue storm drain inventory		X		X

3. Illicit Discharge Detection and Elimination

BMP	*Description*	*Status*					
		Implemented	Not Applicable	Modified[1]	Effective	Unknown	Not Effective
ID 1.1	Review of existing ordinances for control of illicit discharge	X					
ID 1.2	Obtain and evaluate model ordinances for applicability	X				X	
ID 1.3	Adopt Storm Water Quality Control Ordinance			X			
ID 2.1	Update the existing Storm Drain System. Atlas Maps (in Auto CADD) to indicate as-built conditions - continuous	X			X		
ID 2.2a	Develop Checklist for visual water quality monitoring	X			X		
ID 2.2b	Visual observations of materials	X			X		
ID 2.3	Inspect sanitary sewer to prevent overflows – ongoing	X			X		

a. BMPs

i. General summary

City has not adopted a Stormwater Quality Control Ordinance. Staff has reviewed model ordinances and has prepared a draft ordinance. This draft ordinance is being reviewed and will be adopted in the near future.

Materials observed and removed from drainage inlets by Public Works staff and are logged showing date, employee, location, material description and comments. Visual observations of water quality are performed during rain while cleaning grates and gutters. There is a list by section, of drains with comments as to what to look for.

ii. Status of Measurable Goals

Visual observations have been documented of materials removed from drain inlets. Grates and gutters are cleaned during rain storms.

iii. Appropriateness

These BMPs are appropriate because they remove materials from the storm drain system and also allow staff to see pollutant sources.

iv. Effectiveness

Removed sediment, organics, and trash from storm drain system. Quantities are estimated to be 7,300 lbs.

v. Proposed Modifications

Remove checklist for visual quality during grates and gutters cleaning. Staff to report suspected water quality issues to appropriate department for further inspections and reporting.

b. Results of information collected and analyzed, if any, during the reporting period, including any monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

None at this time.

c. Briefly summarize the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule). If you propose activities that differ from those originally proposed in the approved SWMP, provide justification.

Adopt a SWQC Ordinance including an enforcement program. Continue to update the storm drain - Atlas maps. Checklist for inspection of commercial/industrial drains that enter the City storm drain system. Inspect sanitary sewer system on a regular basis.

BMP	Proposed Measurable Goal	Modified?		Schedule	
		YES	NO	Complete this year	Ongoing Implementation
ID 1.2	Evaluate model ordinances		X		X
ID 1.3	Review and adopt SWQC Ordinance.	X		06/07	
ID 1.4	Establish Ordinance enforcement program	X		06/07	
ID 2.1	Inventory and map		X		X
ID 2.2a	Develop Checklist	X			X
ID 2.2b	Visual observation of material		X		X

4. Construction Site Storm Water Control

BMP	Description	Status					
		Implemented	Not Applicable	Modified[1]	Effective	Unknown	Not Effective
CA 1.1	Review the Statewide Construction Activities Storm Water General Permit - Ongoing	X				X	
CA 1.2	Evaluate available model ordinances for applicability in Grass Valley - Ongoing	X				X	
CA 1.3	Review existing City ordinances	X				X	
CA 1.4	Adopt a Storm Water Quality Control Ordinance – in progress			X			
CA 2.1	Revise Public Information Sheets	X			X		
CA 3.1	Coordinate inspection activities	X			X		
CA 3.2	Facilitate Pre-Construction Meetings	X			X		
CA 3.3	Standard Inspection form	X			X		
CA 3.4	Train Inspection Staff	X			X		
CA 3.5	Receive and respond to Storm Water issues	X			X		
CA 4.1	Review SWPPP's	X			X		
CA 4.2	Follow Inspection Frequencies	X			X		
CA 4.3	Use inspection checklist	X			X		

a. BMPs

i. General summary

For construction activities, the City has developed standard development conditions that require erosion control plans, water/oil separation devices and storm water detention. Local Contractors are notified by mail and during Pre-construction meetings that full implementation of erosion control must occur prior to grading activities during winter months. Site meetings emphasize adherence to SWPPP and documentation of corrective measures.

ii. Status of Measurable Goals

City staff required submittal and review of all SWPPP's, erosion control plans and erosion control bond prior to issuance of Grading Permits.

iii. Appropriateness

Field inspections have helped to determine and expand the check list for illicit discharges.

iv. Effectiveness

The most effective BMP is the development of Standard Conditions for water/oil separation and Storm Water detention. Engineers and contractors are coming up with new and innovative ideas for water/oil separation. Increased inspection activity helped with controlling construction site storm water.