

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION  
895 Aerovista Place, Suite 101  
San Luis Obispo, California**

**RESOLUTION NO. R3-2009-0030  
March 19-20, 2009**

**City of Scotts Valley Storm Water Management Plan  
Santa Cruz County**

The Regional Water Quality Control Board, Central Coast Region ("Water Board") finds:

1. On December 8, 1999, the U.S. Environmental Protection Agency ("EPA") promulgated regulations under authority of the Clean Water Act ("CWA") Section 402(p)(6). These regulations required NPDES storm water permits for operators of small municipal separate storm sewer systems ("Small MS4s") that discharge to waters of the U.S.
2. On April 30, 2003, the State Water Resources Control Board ("State Water Board") adopted Order No. 2003-0005 DWQ (NPDES Permit No. CAS000004) Waste Discharge Requirements for Storm Water Discharges from Small Municipal Separate Storm Sewer Systems ("General Permit").
3. The General Permit requires regulated Small MS4s to develop a storm water management program ("SWMP") designed to reduce pollutant discharge to the maximum extent practicable ("MEP") and to protect water quality. The SWMP must contain Best Management Practices ("BMPs") that address six Minimum Control Measures. SWMPs must incorporate measurable goals and implementation time schedules, and must be available for public review and comment and are subject to a public hearing if requested prior to approval. Upon approval of a SWMP by the appropriate regional water quality control board or its Executive Officer, permit applicants obtain coverage under the General Permit.
4. The State Water Board found, and the Water Board concurs, that implementing storm water quality programs that address the six Minimum Control Measures in previously unregulated areas will decrease the pollutant loading to the receiving waters and improve water quality.
5. The State Water Board found the General Permit to be consistent with the anti-degradation policies of 40 CFR Section 131.12, SWRCB Resolution 68-16, and the Water Board's Basin Plan.
6. This action to approve the City of Scotts Valley SWMP is exempt from the California Environmental Quality Act pursuant to Water Code Section 13389.

7. The City of Scotts Valley evaluated local water quality, BMP applicability, expected BMP effectiveness, and technical and economic feasibility in developing the SWMP. Specific BMPs were identified from community input, review of other programs, and evaluation of various BMP manuals and lists.
8. The City of Scotts Valley submitted a Notice of Intent to comply with the General Permit on March 11, 2003. An initial SWMP was submitted on July 30, 2003. In response to Water Board staff review and comments, the City prepared five revised SWMPs.
9. Following public notice in accordance with State and federal laws and regulations, the Water Board, in a public hearing on March 19-20, 2009, heard and considered all comments on the SWMP.
10. The Water Board finds that the SWMP, including the Required Revisions attached to this Resolution, is designed to reduce the discharge of pollutants to the MEP standard established in the General Permit for these reasons: 1) The SWMP meets and/or exceeds the Phase II General Permit requirements for all six Minimum Control Measures; 2) The chosen BMPs address both the research-based urban pollutants, and the locally-documented pollutants of concern; 3) the SWMP employs all applicable BMPs except those that are not technically feasible in the locality, or whose cost would exceed the benefit to be derived, or where other selected BMPs achieve the same water quality protection or serve the same purpose, or where the cost of the BMPs would be prohibitive; and 4) the five-year program prescribed by the SWMP provides a logical progression of BMP implementation to meet a full program realization within the permit term.
11. Section 402(p)(3)(B)(iii) of the Clean Water Act requires controls that reduce pollutants to MEP, and "such other provisions as the Administrator or the State determines appropriate for the control of such pollutants." The General Permit requires permittees to develop a SWMP designed to reduce the discharge of pollutants to MEP and to protect water quality. (General Permit Finding 14, page 3 and Provision D, pg.8.)
12. The SWMP with the Required Revisions is in compliance with the General Permit and is necessary to achieve the MEP standard and protect water quality. The Required Revisions address the six minimum control measures required to be addressed in the federal regulations and in the State Water Board's General Permit for Small MS4s. The Required Revisions related to hydromodification ensure the City's SWMP includes BMPs that will attempt to maintain pre-development runoff conditions and, therefore, attain MEP. The Required Revisions related to Wasteload Allocation Attainment Programs ensure the City's SWMP includes BMPs that will achieve wasteload allocations and thereby protect water quality. Although not required, the Water Board has considered all of the factors listed in Water Code Section 13241 in reviewing the City's SWMP and approving the SWMP with the Required Revisions. The Water Board considered past, present, and probable future beneficial uses of water, which are set forth in the Basin Plan, and found the Required Revisions to be necessary to attain water quality standards and minimize water quality impacts as required in the federal regulations. The Water Board considered environmental characteristics of the hydrographic unit in which the City is located (the Big Basin Hydrologic Unit), including the quality of water available

thereto, and found the Required Revisions to be appropriate. The proposed Required Revisions allow the City, up to a year after approval of the SWMP, to develop the specific hydromodification controls that will be most effective for its hydrologic unit. The Water Board considered water quality conditions that could reasonably be achieved through the coordinated control of all factors which affect water quality in the area. The Water Board has been addressing the need for hydromodification controls within the Central Coast Region for at least two years. The Water Board has a comprehensive monitoring program, which has provided significant information on the quality of waters, including those within this hydrologic unit. The Water Board has been evaluating the various options for control of water quality conditions affected by post-construction stormwater discharges and has concluded that controlling hydromodification typically associated with urbanization is reasonably achievable and practicable. Without the Required Revisions, the MEP and water quality protection standards of the General Permit may not be met. The Water Board considered economics and found that the best information available indicates that controlling hydromodification through, among other approaches, implementation of low impact development principles, is technically feasible, practicable, and cost-effective. The Water Board considered the need for developing housing within the region and found that the Required Revisions would not affect regional housing supply. Hydromodification controls have been applied in this and neighboring regions with no demonstrated affect on housing availability. The use of hydromodification controls will protect water quality, which is necessary to support housing. The Water Board considered the need to develop and use recycled water and found the Required Revisions would not interfere with development and use of recycled water.

13. The General Permit allows permittees five years from the date of SWMP approval to fully implement the SWMP.
14. The SWMP requires the City of Scotts Valley to develop and implement programs and ordinances within five years to achieve MEP and to protect water quality. The specific provisions of some of these programs will be developed after SWMP approval, and will be subject to public review. The General Permit allows the Executive Officer to require changes to the SWMP (including the ordinances and other program details) as necessary to meet the MEP standard, and to require additional monitoring and reporting.

**THEREFORE, BE IT RESOLVED THAT:**

1. The Water Board hereby approves the City of Scotts Valley Storm Water Management Plan, subject to Paragraph 2. Coverage under the General Permit commences on the date this Resolution is adopted.
2. Pursuant to Section G of the General Permit, the City of Scotts Valley is required to amend the SWMP no later than May 20, 2009, to include the revisions found in the **ATTACHED TABLE OF REQUIRED REVISIONS**. Failure to make these revisions may subject the City of Scotts Valley to enforcement action.
3. The City of Scotts Valley shall provide a copy of the revised SWMP to the Water Board no later than May 20, 2009, pursuant to Water Code Section 13383.

4. The Executive Officer will notify the City of Scotts Valley and other interested persons of the acceptability of the City's proposed interim hydromodification criteria for new development and re-development. The Water Board shall provide interested persons the opportunity for comment and a hearing before the Water Board if any party is aggrieved by the staff's determination prior to Water Board action being final.

Any person affected by this action may petition the State Water Board to review the action in accordance with section 13320 of the California Water Code and Title 23, California Code of Regulations, Section 2050. The State Water Board must receive the petition within 30 days of the date of this Resolution. Copies of the law and regulations applicable to filing petitions will be provided upon request.

I, Roger W. Briggs, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of a Resolution adopted by the California Regional Water Quality Control Board, Central Coast Region, on March [date], 2009.

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Roger W. Briggs, Executive Officer

**Board Resolution No. R3-2009-0030**

**TABLE of REQUIRED REVISIONS to  
City of Scotts Valley Storm Water Management Program**

Acronyms/Abbreviations:

- BMP - Best Management Practice
- CEQA - California Environmental Quality Act
- City - City of Scotts Valley
- LID - Low Impact Development
- MS4 - Municipal Separate Storm Sewer System
- SWMP - Storm Water Management Plan
- TMDL - Total Maximum Daily Load
- Water Board - Central Coast Regional Water Quality Control Board

Item Number	SWMP Section	Subject	Issue	Required Revisions
1	All Tables, including BMPs # 1-1, 1-2, 1-3, 1-4, 2-1, 2-2, 3-3, 4-2, 4-3, 5-2, 6-2, 6-3, 6-4, 7-1	Implementation Years	For many BMPs, including those listed here, the SWMP appears to indicate that the BMPs will only be implemented for one year. It is unclear whether or not implementation of the BMPs will continue in subsequent years. Following initial implementation, BMP implementation must continue in subsequent years in order for the City to achieve the maximum extent practicable standard.	Review the implementation schedule for each BMP listed in the SWMP's tables and identify every year the BMP will be implemented. Ensure storm drain stencil design standards and the construction site checklist are implemented every year following their development.
2	Public Education and Outreach	Education BMP Progression	The SWMP includes several educational approaches that have traditionally been used by stormwater programs. However, the Public Education Program must continually assess new public education methods to improve program effectiveness.	Include a BMP to assess community-based social marketing strategies and incorporate them into your program where appropriate.

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			<p>One particularly promising approach to public education is community-based social marketing. Community-based social marketing is based upon research in the social sciences that demonstrates behavior change is most effectively achieved through initiatives delivered at the community level which focus on removing barriers to an activity while simultaneously enhancing the activities benefits. More information on community-based social marketing is available at: <a href="http://www.cbsm.com/">http://www.cbsm.com/</a>. The techniques of community-based social marketing should be considered when developing, implementing, and assessing your public education and outreach program.</p>	
3	BMP # 1-3	Riparian Restoration and Protection Education	<p>While the SWMP mentions the possibility of educating the public regarding opportunities and activities for riparian restoration and protection, it does not commit to conducting this type of education. Riparian restoration and protection are important aspects of achieving healthy functioning watersheds.</p>	<p>Modify BMP #1-3 to commit the City to educating the public on opportunities and activities for riparian restoration and protection.</p>
4	BMP # 1-3	Measurable Goal	<p>The measurable goals for this BMP do not identify the scope or magnitude of BMP implementation. Without these kinds of measurable goals, the City will not know whether the BMP is as effective as planned.</p>	<p>Include a quantifiable goal for BMP # 1-3 that the City will use to measure the scope and magnitude of BMP implementation, such as identifying the number of local events the City will attend annually.</p>

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5	Illicit Discharge Detection and Elimination	Illicit Discharge tracking	Procedures to trace the sources of illicit discharges, once detected, are not discussed. Such procedures are important tools in the elimination of illicit discharges.	Include procedures to trace the sources of illicit discharges.
6	Illicit Discharge Detection and Elimination	Enforcement	The SWMP does not include a description of the procedures the City will use to eliminate identified sources of illicit discharges. This information is necessary to ensure that City staff are aware of procedures to effectively eliminate illicit discharges.	Include a description of the specific procedures and corrective actions the City will use to eliminate sources of illicit discharges.
7	Illicit Discharge Detection and Elimination	Pollutants of Concern	It is unclear how this section of the SWMP directly targets the City's primary pollutants of concern (fecal indicator bacteria and sediment). BMPs do not appear to be tailored to address primary pollutants of concern within the City.	Include new BMPs or tailor existing BMPs to target illicit discharges from potential sources of the primary pollutants of concern.
8	Illicit Discharge Detection and Elimination	Non-Stormwater Discharges	<p>The SWMP discusses review of certain categories of non-storm water discharges to determine if they are significant sources of pollutants, but does not identify this activity as a BMP with an implementation schedule.</p> <p>The SWMP does not state what action the City will take if a category of non-storm water discharges that is reviewed is determined to be a significant source of pollutants. Non-storm water discharges that are determined to be a significant source of pollutants must be prohibited or addressed by BMPs.</p>	<p>Add a BMP, including an implementation schedule, for the review of these categories of non-storm water discharges.</p> <p>Identify the action the City will take if a category of non-storm water discharges that is reviewed is determined to be a significant source of pollutants. Commit to prohibiting such discharges, or requiring implementation of BMPs to address the pollutants in the discharges.</p>

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9	BMP # 3-3	Measurable Goal	The measurable goals for this BMP do not identify the scope or magnitude of BMP implementation. Without these kinds of measurable goals, the City will not know whether the BMP is as effective as planned.	Include quantifiable goals for BMP # 3-3 that the City will use to measure the scope and magnitude of BMP implementation. For example, identify the percentage of total open drainage facility distance the City will inspect annually during "facility walks."
10	Illicit Discharge Detection and Elimination	Illicit Discharge Elimination	The SWMP does not clearly state that all detected illicit discharges from all sources will be eliminated.	Clearly state that all detected illicit discharges from all sources will be eliminated.
11	Illicit Discharge Detection and Elimination	Business Inspections	The City has removed the BMP for inspection of high risk businesses without providing justification for the removal.	Reinstate the BMP for City inspections of high risk businesses. Modify the BMP to clarify the inspections include assessment of potential illicit discharges and BMP implementation. Ensure the BMP includes associated measurable goals and implementation schedules.
12	BMP # 4-2	Site Review and Inspection Procedures	The SWMP text states that "the City will examine existing site review and inspection procedures and revise them, as appropriate, to address storm water issues." However, this activity is not reflected in Table 4-1 or provided an implementation schedule.	Include a BMP in Table 4-1 for the City to examine existing site review and inspection procedures and revise them, as appropriate, to address storm water issues. Ensure the BMP addresses review and revision of the items cited in the text, including sediment and erosion control programs, existing agency permit requirements, and development of additional controls into planning documentation and policies, such as the CEQA initial study checklist and General Plan. Include an implementation schedule for the BMP.
13	BMP # 4-2	Enforcement	The SWMP states that when a violation is outstanding, additional permits or sign-offs on the project <i>should</i> not	Revise the language to change the word <i>should</i> to <i>will</i> .



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			occur. This language does not ensure proper enforcement of construction BMP requirements.	
14	Construction Site Runoff Control	Inspection Checklist	The SWMP does not discuss development of a construction site inspection checklist to be used by inspectors. An inspection checklist is an important tool to ensure that all required BMPs are implemented.	Include a BMP to develop and use a construction site inspection checklist. Ensure the checklist will be used consistently after development.
15	Construction Site Runoff Control	Training and Education	The SWMP does not clearly address training of municipal staff regarding construction stormwater issues. The City must train municipal plan review and inspection staff on construction issues and requirements.	Clearly indicate the City will train municipal plan review and inspection staff on construction issues and requirements.
16	BMP # 5-1	Measurable Goal	The SWMP does not include a measurable goal for implementation of new requirements for new development and redevelopment.	Include a measurable goal for implementation of new requirements for new development and redevelopment, such as application of the modified and updated design standards to 100% of new development and redevelopment projects.
17	BMP # 5-1	Interim Hydromodification Control Criteria	The SWMP states the City will adopt an ordinance with post-construction/LID requirements in Year 4. Interim hydromodification control criteria must be implemented and applied to new development and redevelopment projects starting one year after enrollment under the general permit.	Clarify that the City will implement and apply interim hydromodification control criteria to new development and redevelopment projects starting one year after enrollment under the general permit.
18	BMP # 5-1	Stormwater Filters	The SWMP focuses on stormwater filters as post-construction BMPs that the City will require to treat runoff from new development and redevelopment projects. However, depending upon	Include a BMP for the City to develop a project review process that requires implementation of effective treatment BMPs for new development and redevelopment projects' pollutants of concern, and only

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			<p>their design, stormwater filters are frequently not the most effective stormwater BMPs for treating storm water. Instead, the City must develop a project review process that requires implementation of effective treatment BMPs for new development and redevelopment projects' pollutants of concern, and only allows for implementation of less effective treatment BMPs when implementation of the more effective treatment BMPs is infeasible.</p>	<p>allows for implementation of less effective treatment BMPs when implementation of the more effective treatment BMPs is infeasible.</p>
19	Post-Construction Runoff Control	Interim Hydromodification Control Criteria	<p>The SWMP states that the City will develop interim hydromodification control criteria in Year 2. Interim hydromodification control criteria must be developed and implemented within one year of enrollment under the general permit.</p>	<p>Modify the interim hydromodification control criteria schedule so that the criteria is developed and implemented within one year of enrollment under the general permit.</p>
20	Post-Construction Runoff Control	Interim Hydromodification Control Criteria	<p>The SWMP does not include an adequate schedule describing the process the City will follow to develop the interim hydromodification control criteria. The SWMP also does not identify the goals and expected effectiveness of the alternative interim hydromodification control criteria.</p>	<p>Modify the SWMP to include the development of interim hydromodification criteria using one of the options listed below:</p> <p>Option 1: The proposed criteria may include the following types of requirements which provide a high degree of assurance of effective hydromodification control without regard to the nuances of individual</p>

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				<p>watersheds:</p> <ul style="list-style-type: none"> <li>• For new and re-development projects, Effective Impervious Area<sup>1</sup> shall be maintained at less than five percent (5%) of total project area.</li> <li>• For new and redevelopment projects that create and/or replace 5,000 square feet or more of impervious surface, the post-construction runoff hydrographs shall match within one percent (1%) the pre-construction<sup>2</sup> runoff hydrographs, for a range of events with return periods from 1-year to 10-years.</li> <li>• For projects whose disturbed project area exceeds two acres, preserve the pre-construction drainage density (miles of stream length per square mile of watershed) for all drainage areas serving a first order stream<sup>3</sup> or larger, and ensure that post-project time of concentration is equal or greater than pre-project time of concentration.</li> </ul> <p>OR</p> <p>Option 2: The City may use the following process to</p>

<sup>1</sup> Effective Impervious Area is that portion of the impervious area that drains directly to a receiving surface waterbody via a hardened storm drain conveyance without first draining to a pervious area. In other words, impervious surfaces tributary to pervious areas are not considered Effective Impervious Area.

<sup>2</sup> Pre-construction condition is defined as undeveloped soil type and vegetation.

<sup>3</sup> A first order stream is defined as a stream with no tributaries.

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				<p>develop interim criteria as effective as the above criteria. "As effective as" means the City may use other approaches (including other variables or numeric criteria, different than Option 1 criteria, appropriate for the City's watershed(s)) to control hydromodification and protect the biological and physical integrity of the City's watershed(s). Other acceptable approaches to develop interim criteria that are as effective as Option 1 include:</p> <p>A. Adopt and implement hydromodification criteria developed by another local municipality and approved by Board staff, such as the criteria the Water Board adopted for the City of Salinas, as interim criteria;</p> <p>OR use the following methodology to develop interim criteria:</p> <p>B. Include a BMP to develop interim hydromodification criteria, including a period of no less than three (3) weeks to allow for Water Board staff's review of the proposed criteria. The BMP shall state:</p> <p>The City shall develop interim flow control and infiltration criteria. These interim criteria shall be developed within one year of the City's enrollment under the General Permit. For the interim</p>

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				<p>criteria, the City shall:</p> <ul style="list-style-type: none"> <li>• Identify a range of runoff flow rates for which post-project runoff flow rates and durations shall not exceed pre-development runoff rates and durations, where the increased discharge rates and durations will result in off-site erosion or other significant adverse impacts to beneficial uses. Pre-development refers to the soil type, vegetation and amount of impervious surface existing on the site prior to the development project.</li> <li>• Establish numeric criteria for development projects to maximize infiltration on-site and approximate natural infiltration levels to the maximum extent practicable and to effectively implement applicable low-impact development strategies.</li> <li>• Identify the projects, including project type, size and location, to which the City will apply the interim criteria. The projects to which the City will apply the interim criteria will include all those projects that will cause off-site erosion or other significant adverse impacts to beneficial uses.</li> <li>• Identify methods to be used by project proponents to demonstrate compliance with the interim</li> </ul>

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				<p>discharge rate and duration criteria, potentially including continuous simulation of the entire rainfall record.</p> <ul style="list-style-type: none"> <li>Identify methods to be used by project proponents to demonstrate compliance with the interim infiltration criteria, including analysis of site imperviousness.</li> </ul>
21	Post-Construction Runoff Control	Interim Hydromodification Control Criteria	Development and implementation of interim hydromodification control criteria is not identified as a specific BMP in the SWMP. Due to the importance of interim hydromodification control criteria in protecting beneficial uses, development and implementation of the criteria must be identified as a specific BMP within the SWMP.	Identify development and implementation of interim hydromodification control criteria as a specific BMP in the SWMP.
22	Post-Construction Runoff Control	Application of New Design Standards	The SWMP does not identify the stage in the project planning, design, and funding process the City will use as the cut-off point to determine which projects in the development review pipeline will be subject to new design requirements, such as interim hydromodification control criteria.	Identify the stage in the project planning, design, and funding process that the City will use as the cut-off point to determine which projects in the development review pipeline will be subject to new design requirements. For projects in the planning, design, and funding process at the time the new design requirements take effect, the cut-off point must be chosen in order to apply the new design requirements to as many projects as is feasible.
23	Post-Construction Runoff Control	Hydromodification Management Plan	The SWMP does not commit the City to having long-term hydromodification criteria in place and implemented by the end of Year 5.	Include a statement in the SWMP committing the City to having long-term hydromodification criteria in place and implemented by the end of Year 5.

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24	Post-Construction Runoff Control	Hydromodification Management Plan	While the SWMP discusses development of interim hydromodification control criteria, it does not clearly describe the process the City will follow to develop long-term hydromodification criteria as part of a Hydromodification Management Plan.	<p>Include a BMP describing how and when the City will develop long-term hydromodification criteria and control measures as part of a Hydromodification Management Plan that will be based on a technical assessment of the impacts of development on the City's watersheds. An adequate technical assessment will address the following:</p> <ul style="list-style-type: none"> <li>• Hydrograph modification (flow volume, duration, and rate);</li> <li>• A wide range of flow events and continuous flow modeling;</li> <li>• Effects of imperviousness;</li> <li>• Evaluation of downstream affects (stream stability);</li> <li>• Buffer zone requirements; and</li> <li>• Water quality impacts.</li> </ul> <p>The assessment should result in:</p> <ul style="list-style-type: none"> <li>• Numeric criteria for runoff rate, duration, and volume control for development and redevelopment projects;</li> <li>• Numeric criteria for stream stability impacts for development and redevelopment projects;</li> <li>• Identification of areas within the City where these criteria must be met;</li> <li>• Specific performance and monitoring criteria for installed hydromodification control infrastructure;</li> <li>• Riparian buffer zone requirements; and</li> <li>• Appropriate hydromodification control</li> </ul>

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				<p>measures such as LID concepts, on-site hydrologic and water quality controls, and in-stream controls.</p> <p>Identify the key steps in the process that will be used to develop the Hydromodification Management Plan. Examples of steps that should be considered include:</p> <ul style="list-style-type: none"> <li>• Development of problem statement and objectives;</li> <li>• Review of literature and data availability;</li> <li>• Characterization of watershed and future development patterns;</li> <li>• Determination of assessment methodology;</li> <li>• Development of criteria and guidance; and</li> <li>• Development of an implementation strategy.</li> </ul>
25	Post-Construction Runoff Control	Long-Term Watershed Protection	The SWMP does not include a specific BMP to collectively enact long-term watershed protection.	<p>Include a BMP stating how and when the City will:</p> <ul style="list-style-type: none"> <li>• Develop where feasible quantifiable measures that indicate how the City's watershed protection efforts relative to stormwater management achieve desired watershed conditions;</li> <li>• Evaluate existing watershed protection planning efforts, including: land use policies, plans, ordinances, guidance manuals, development project review procedures, and BMPs; and</li> <li>• Adapt or change the existing efforts if warranted.</li> </ul>



Item Number	SWMP Section	Subject	Issue	Required Revisions
26	Post-Construction Runoff Control	Attachment 4 Requirements	The SWMP does not confirm that the City will update its requirements for new development and redevelopment to be in compliance with Attachment 4 of the general permit.	Include a BMP to review and revise the City's requirements for new development and redevelopment to be in compliance with Attachment 4 of the general permit.
27	BMP # 5-2	Measurable Goals	The measurable goals for this BMP do not identify the scope or magnitude of BMP implementation. Without these kinds of measurable goals, the City will not know whether the BMP is as effective as planned.	Include quantifiable goals for BMP # 5-2 that the City will use to measure the scope and magnitude of BMP implementation, such as identifying the percentage of projects the City will inspect for compliance with BMP design requirements and the frequency that post-construction BMPs will be inspected for maintenance.
28	Post-Construction Runoff Control	Application of Post-Construction Requirements	The SWMP states that post-construction requirements will be applied to development projects that disturb more than one acre. However, the City must also apply post-construction requirements to the new development and redevelopment project categories listed in Attachment 4. In addition, the Water Board's February 15, 2008 letter states our expectation that interim hydromodification control criteria apply to all projects requiring discretionary approvals.	Confirm that the City will apply post-construction requirements to the new development and redevelopment project categories listed in Attachment 4. Also confirm that the City will apply interim hydromodification control criteria to all projects requiring discretionary approvals.
29	Total Maximum Daily Loads	Program Goals	The SWMP states that a "goal of the SWMP is not to target BMPs to specific TMDLs or geographic areas, but to implement the BMPs throughout the management area in order to reduce controllable sources of sediment and FIB associated with the storm drain	Include in the SWMP the long term goal of achieving wasteload allocations, as feasible, in watersheds where TMDLs have been adopted. The short term goal can be to eliminate to the maximum extent practicable controllable sources of pollutants for which TMDLs have been adopted that are

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			<p>system to the maximum extent practicable.” However, the SWMP must also acknowledge another goal, which is to achieve wasteload allocations in watersheds where TMDLs have been adopted. The City may need to implement targeted BMPs to achieve this goal.</p>	<p>associated with the storm drain system.</p>
30	Total Maximum Daily Loads	Wasteload Allocation Attainment Plans	<p>The SWMP does not address the City’s development and implementation of Wasteload Allocation Attainment Plans addressing the Carbonera Creek Sediment TMDL and Carbonera/Camp Evers Creek Pathogens TMDL. Due to the significant challenge of meeting these TMDLs’ wasteload allocations, the City must use a comprehensive planning approach for addressing the TMDLs, as represented by Wasteload Allocation Attainment Plans. Wasteload Allocation Attainment Plans may be waterbody or pollutant specific.</p>	<p>Include a BMP committing the City to develop, submit, and implement Wasteload Allocation Attainment Programs addressing the Carbonera Creek Sediment TMDL and Carbonera/Camp Evers Creek Pathogens TMDL. Clarify that Wasteload Allocation Attainment Programs will be developed to address controllable sources associated with the stormwater system for each impairing pollutant, but may be watershed-specific or jurisdiction-wide. Identify the specific items that the Wasteload Allocation Attainment Programs will address, including:</p> <ul style="list-style-type: none"> <li>• An implementation and assessment strategy;</li> <li>• Source identification and prioritization;</li> <li>• BMP identification, prioritization, implementation (including schedule), analysis, and assessment;</li> <li>• Monitoring program development and implementation (including schedule);</li> <li>• Reporting and evaluation of progress towards achieving wasteload allocations;</li> <li>• Coordination with stakeholders; and</li> <li>• Other pertinent factors.</li> </ul>

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31	Existing Storm Water Management Practices	Inspections	The SWMP discusses municipal inspections, but does not identify the activity as a specific BMP. Identification of municipal inspections as a specific BMP in the SWMP will better ensure implementation and assessment of the activity's effectiveness.	Include municipal inspections as a specific BMP in the SWMP. Identify measurable goals for the BMP and commit to tracking and assessing the effectiveness of the activity.
32	Existing Storm Water Management Practices	Municipal BMPs	The SWMP identifies a number of BMPs that are implemented at municipal facilities and during municipal operations. However, some municipal facilities or operations, such as parks, park maintenance, vehicle cleaning, landscaping, bridge maintenance, etc. are not addressed by these BMPs.	Include a BMP to review and update the BMPs implemented for municipal facilities and operations to ensure they address all municipal facilities and operations that have the potential to generate significant levels of pollutants. We recommend using the California Stormwater Quality Association's <i>Municipal Stormwater Best Management Practice Handbook</i> to identify appropriate BMPs for all municipal facilities and operations.
33	Municipal Operations	Grounds Maintenance	The SWMP does not discuss pollution prevention and other BMPs to be used during landscaping, lawn care, and other grounds maintenance. Pollution prevention and other BMPs, such as integrated pest management and postponement of pesticide/herbicide application prior to predicted rain, must be included in the SWMP.	Identify pollution prevention and other BMPs the City will use during landscaping, lawn care, and other grounds maintenance. Include integrated pest management and postponement of pesticide/herbicide application prior to predicted rain as BMPs.
34	Municipal Operations	Spill Response	The SWMP does not include BMPs to address large scale spill response.	Include a description of the BMPs that will be implemented for large scale spill response.
35	BMP # 6-4	Measurable Goal	The SWMP states that the City will provide in-house training to municipal employees annually, but does not identify the percentage of Engineering,	Update BMP # 6-4 to identify the percentage of Engineering, Planning, Building, Streets, and Wastewater employees that the City will train, and confirm that the City will conduct

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			Planning, Building, Streets, and Wastewater employees that the City will train each year. In addition, BMP # 6-4 in Table 6-1 does not state that training will occur annually.	training annually.
36	Program Effectiveness Assessment	Implementation Schedule	The text of the SWMP states that the City will use Level 1 outcomes to assess program effectiveness in Years 1 and 2. However, Table 7-1 states that an assessment strategy using Level 1 outcomes will not be developed until Year 2. Table 7-1 must be modified to exhibit that the City will develop and implement the assessment strategy for using Level 1 outcomes starting in Year 1.	Modify Table 7-1 to exhibit that the City will develop and implement the assessment strategy for using Level 1 outcomes starting in Year 1.
37	Program Effectiveness Assessment	Implementation Schedule	The SWMP states that an effectiveness assessment strategy will be developed in Year 4, but does not commit the City to continuing assessment of Level 1 outcomes during Years 3 and 4. At a minimum, the City must continue to assess Level 1 outcomes in Years 3 and 4 while an effectiveness assessment strategy is developed.	Include a statement that the City will continue to assess Level 1 outcomes during Years 3 and 4.
38	Program Effectiveness Assessment	Extent of Implementation	The SWMP includes a commitment by the City to use Level 1 outcomes, but does not identify the extent to which the City will use Level 1 outcomes for assessment.	Include a statement that the City will use Level 1 outcomes to assess the effectiveness of all applicable BMPs.
39	Program Effectiveness Assessment	Consistency with Guidance Manual	The SWMP includes a commitment by the City to use the California Stormwater Quality Association's <i>Municipal Stormwater Program</i>	Include a statement that the effectiveness assessment strategy will seek to identify links between BMP/program implementation and improvement in water quality and

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			<p><i>Effectiveness Assessment Guidance</i> as the basis for its effectiveness assessment strategy, but the City does not discuss integrated assessments, which are a critical component of the guidance. Integrated assessment, or the establishment of links between BMP/program implementation and improvement in water quality and beneficial use conditions, is necessary in order to have confidence the activities being implemented are having a positive effect on water quality and beneficial uses.</p>	<p>beneficial use conditions.</p>
40	Program Effectiveness Assessment	Implementation Schedule	<p>The SWMP discusses development of an assessment strategy in Year 4, but does not identify when the City will begin implementation of the strategy. Implementation of the strategy must occur immediately after development of the strategy, in Year 5.</p>	<p>Confirm that the City will begin implementation of the assessment strategy in Year 5.</p>
41	General	Identification of Responsible Parties	<p>The SWMP does not identify the person or persons who will implement or coordinate the SWMP, as well as each Minimum Control Measure. Section D.4 of the General Permit requires this information to be included in the SWMP.</p>	<p>Identify the position(s) and/or department(s) responsible for implementing the SWMP and each minimum control measure.</p>
42	BMP # 3-4	Illicit Discharge Field Screening	<p>The SWMP does not identify the conditions that will trigger an investigation as a result of field screening. This information is necessary to ensure City staff are clear on when investigations are needed.</p>	<p>Identify in BMP # 3-4 the conditions that will trigger an investigation as a result of field screening. If the City will not investigate all flows from storm drains observed during dry weather, identify the means the City will use to determine whether dry weather flows</p>

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				necessitate investigation, such as the use of field water quality test kits.
43	BMP # 4-2	Construction Site Inspections	The SWMP does not commit to conducting construction site inspections during wet weather. Such inspections are necessary in order to demonstrate that BMPs being required during dry weather inspections are effective during storm events.	Commit in BMP # 4-2 to regularly conducting a representative portion of construction site inspections during rain events.