

BMP 5.1 Update Land Use Policies

Measurable Goal 5.1.1: *Update all policies, practices, and procedures applied to discretionary new and redevelopment projects to protect water quality consistent with the requirements of General Permit and Attachment 4(B) prior to SWMP implementation.*

Status: Complete and ongoing. See Annual Report Year 1 and SWMP for historical detail.

As per the Joint Effort, the County of Santa Barbara is committed to accomplishing certain milestones. The first is concerned with Low Impact Development. As part of the development review process, the County's Planning & Development Department requires LID measures. Hillside and Watershed Protection Policy (Land Use Element, Policy #7& Coastal Plan Policy 3-19) states:

Degradation of the water quality of groundwater basins, nearby streams, or wetlands shall not result from development of the site. Pollutants, such as chemicals, fuels, lubricants, raw sewage, and other harmful waste shall not be discharged into or alongside coastal streams or wetlands either during or after construction.

The following interpretation was approved by the Board of Supervisors in September 2002:

To be consistent with this policy the discharge of pollutants from newly developed and redeveloped sites must be reduced to the "maximum extent feasible". This can be achieved through the implementation of non-structural or structural best management practices (BMPs) and maintenance of the BMPs over the life of the project. BMPs are methods, activities, maintenance procedures, or other management practices for reducing the amount of pollution entering a water body.

Nonstructural BMPs include but are not limited to site designs that reduce the area and connectivity of impervious surfaces, protection or restoration of native vegetation, wetlands and riparian corridors, and where applicable, parking lot sweeping programs to remove accumulated debris, oil and grease.

Structural BMPs include but are not limited to storm water treatment facilities, grassed swales, bioswales, porous pavement and storm drain treatment systems (e.g., catch basin filters).

A. In order of preference, the following BMPs shall be used to minimize water quality impacts associated with new development and redevelopment projects in urban and rural areas:

- site planning to avoid, protect, and restore sensitive areas (e.g., wetlands and riparian corridors);

- minimizing impervious surfaces and directly connected impervious surfaces, using existing natural features to allow for on-site infiltration of water;
- vegetative treatment (e.g., bio-swales, vegetative buffers, constructed or artificial wetlands);
- mechanical or structural treatment (e.g., storm drain filters and inserts).

B. Combinations of BMPs listed above may be required to reduce runoff and water quality impacts to achieve consistency with this policy.

C. Adequate space on each project site shall be reserved to incorporate the BMPs.

D. Provisions shall be made for maintenance of BMPs over the life of the project.

To make this requirement clearer to applicants and at the same time assure that LID is considered early in the design process, a new item was added to the Land Use Permit application addressing LID. The revision makes clear that certain discretionary projects subject to the Attachment 4 must include minimum LID measures for the application to be deemed complete. Submittal of a complete application, as determined by County staff, initiates certain scheduling milestones in the process of environmental review under CEQA, ultimately followed by decision to either approve (with conditions) or deny the project. A letter of Application Completeness is therefore critical to the applicant in the process of moving their project forward.

Development and implementation of this application revision involved ongoing coordination meetings between Public Works and Planning & Development staff (see MG 5.5.2), multiple public meetings and targeted outreach to the engineering and development industry (Jan 2010 PCW Stakeholders, and three Building Industry Association of Southern California meetings on December 4, February 12, and April 9), training to P&D staff (see MG 5.5.2), and updates to the Accella tracking system and associated Procedures Manual. In the process, several draft versions of the application were revised. The final version expected to be implemented in Year 5 is shown in Appendix 5A.

Proposed Modifications: None.

Planned Year 5 Activities: Begin requiring applicants to submit LID measures on applicable development associated with Land Use Permit (discretionary) applications.

BMP 5.2 Implement Design Standards for Post-Construction BMPs Per NPDES General Permit Including Provisions of Attachment 4(B)

Measurable Goal 5.2.1: *Apply design standards to 100% of all applicable projects.*

Status: Complete and ongoing.

Case Intake and Development Review. All discretionary projects are reviewed and analyzed by P&D development review staff based upon Comprehensive Plan policies, CEQA thresholds of significance, and standard conditions of approval, as described in the SWMP. Upon application receipt, intake planners must determine if the application is an NPDES Attachment 4(B)2 category project in type or scale, or if the parcel is in a creek or flood area overlay. If so, these cases are distributed to Public Works, Water Resources Division for additional review.

As described in the SWMP, it is the practice of P&D to review all discretionary projects and condition as appropriate for water quality design standards consistent with Attachment 4(B), except for design standards described in Attachment 4(B)(2a) and 4(B)(2i) which are instead reviewed/approved by the Public Works Department.

Water Board staff conducted a focused audit of the County’s construction and post-construction Minimum Control Measures on January 27, 2009 in concurrence with the Year 2 Annual Report review. Water Board staff was satisfied that the County is fulfilling the intent of design standards contained in Attachment 4 of the General Permit.

As noted by Water Board staff (letter dated April 10, 2009), water quality controls are being integrated into the development projects early on in the planning phase through the County’s Subdivision Review committee (SDRC), Standard Conditions of Project Plan Approval, and project conditional letters submitted by Public Works Water Resources Division (Flood Control and PCW).

Of the new applications forwarded to Water Resources Division for review and analysis, 16 were subject to the water quality treatment control design standards of Attachment 4.B.2i, and 11 were subject to the peak runoff design standards of Attachment 4.B.2a.

Case	Name	Treatment	Peak Runoff
10DVP-10	Van Wingerden Greenhouse	Yes	Yes
10DVP-8	LaBarge Tier II Winery	Yes	Yes
10AMD-4	El Capitan Canyon	Yes	No*
10PRE-3	Santa Ynez Valley Sr. Housing	Yes	Yes
10PRE-1	Montecito YMCA	Yes	Yes
10TRM-1	Park Hill Estates	Yes	Yes
9CUP-48	Crane Country Day School	Yes	Yes
09DVP-35	TTT Vineyards & Winery	Yes	No*
9DVP-34	Vincent Vineyards	Yes	Yes
9DVP-31	IVRPD Estero Park Improvements	Yes	No
9DVP-29	Clark Ave. Commercial	Yes	Yes
9DVP-28	Edison St. Service Station	Yes	Yes
9DVP-19	Mattei’s Tavern	Yes	Yes
9AMD-9	Red Diamond Cooler Expansion	Yes	No*

MCM 5.0 Post-Construction Storm Water Management in New and Redevelopment

Case	Name	Treatment	Peak Runoff
9PRE-5	Herrera Cooler Expansion	Yes	Yes
09RRP-1	Goleta Sanitary District	<u>Yes</u>	<u>No*</u>
Total		16	11

* These cases do not increase peak runoff rates because they are redevelopment on existing impervious area with no increase in impervious area and no increase in runoff rates. They are therefore not conditioned by Flood Control in accordance with Attachment 4.B.2a.

Plan Check/Final Clearance. Once an application is submitted and deemed complete, and after a decision-maker approval, the plan check process begins. This includes detailed review and approval of plans and calculations. A final maintenance agreement is approved and recorded with the County Clerk-Recorder, which defines the maintenance responsibilities of the property owner for the life of the project. The maintenance agreement is a long-term deed restriction that remains with the property in perpetuity. Prior to a final approval process, Occupancy Clearance, the applicant must provide an Engineer’s Certificate that verifies the treatment measures were installed as directed by the Engineers and approved by the County. project.

During Year 4, the following cases were processed for plan check of submittals under Public Works conditions for water quality treatment control BMPs..

Name (Location)	Case #	Date Cond. Ltr / Date Plan Check Fees	Status
Cate School (Montecito)	06RVP-00013	(conditioned by P&D prior to 2004) / Sept 2007.	Final plans approved. Maintenance Agreement recorded. Under construction. Pending Engr’s Certificate of Construction.
Chisan Orchids Nursery (Los Alamos)	07DVP-00035	Jan 2008 / April 2010	Plans approved. Maintenance Agreement approved. To be recorded (July 2010). Not under construction. Pending Engr’s Certificate.
Creekside Village (Los Alamos)	08DVP-00011	April 2008 / Aug 2009	Final plans approved. Maintenance Agreement recorded. Under construction. Pending Engr’s Certificate.
Isla Vista Parking (881 Embarcadero Road)	08DVP-00023	Sept 2008 / May 2009	Final plans approved. Maintenance and certificates pending. Project constructed; treatment is offsite on Pardall Road.
Evergreen Shopping (Orcutt)	07DVP-00009	May 2007 / Jul 2008	Plans appr’d and Maintenance Agreement recorded in Yr 3. Under construction. Pending Engr’s Certificate.
Foxen – Dore Winery	07DVP-00010	May 2007 / March 2008	Plans appr’d Yr 3. Maintenance recorded Yr 3. Final occupancy cleared. Project completed.
Gunner Commercial	08DVP-00028	Sept 2008 / March 2010	Plans approved. Maintenance Agreement appr’d to be recorded

Name (Location)	Case #	Date Cond. Ltr / Date Plan Check Fees	Status
(Montecito)			July 2010. Not under construction. Pending Engr's Certificate.
Orcutt Union Plaza (Orcutt)	06DVP-00016	Nov 2006 / June 2008	Maintenance Agreement recorded Yr 3. Under construction. Pending Engr's Certificate.
OSR Rice Cooler (Santa Maria)	06GPA-00012	Sept 2006 / Nov 2009	Maintenance Agreement recorded Yr 3. Not under construction. Pending Engr's Certificate.
Splash N Dash (Orcutt)	07DVP-00033	Oct 2008 / Jan 2009	Plans appr'd Yr 3. Maintenance Agreement recorded. Not under construction. Pending Engr's Certificate

Proposed Modifications: Ongoing requirements will continue to be implemented; no changes to this BMP are recommended.

Planned Year 5 Activities: Ongoing requirements will continue to be implemented.

BMP 5.3 Evaluate Program Efficacy

Measurable Goal 5.3.1: *Compare the existing policies, procedures, and standard conditions to the Post-Construction Minimum Control Measure requirements and the specific requirements of the General Permit Attachment 4(B). (Year 1)*

Status: Complete. This measurable goal was accomplished through a consultant evaluation of the County's approach. See discussion Year 1 Report.

Proposed Modifications: None.

Planned Year 5 Activities: Measurable Goal is completed; no further activities proposed except through ongoing evaluation of effectiveness as described below.

5.3.2 Measurable Goal: *Develop or modify relevant policy, procedures, or standard conditions to meet or exceed all of the requirements in the General Permit including Attachment 4(B). (Year 2).*

Status: Complete and ongoing. The evaluation report made a large number of recommendations. For a summary of these recommendations including areas of potential conflict, and how these were addressed and resolved, see Year 2 Annual Report.

During Year 3, Regional Board staff audited the County's Storm Water Management Program with focus on the post-construction program. As stated in their April 10, 2009 letter to County of Santa Barbara, Water Board staff found "that water quality controls are being integrated into development review projects early on in the planning phase through the County's Subdivision Review Committee (SDRC), Standard Condition of Project Plan

Approvals, and project conditional letters submitted by Project Clean Water staff” and that the “County appears to be fulfilling the intent of the design standards contained in Attachment 4 of the General Permit.”

During Year 3, the Regional Board stated (April 10, 2009) that the County must develop and implement a hydromodification control criteria, and revise the SWMP to include a BMP to ensure development of hydromodification control criteria. See BMP 5.7 below.

The County has already begun to analyze applicable policies, procedures and standard conditions that may need to be modified to effectively implement LID and hydromodification control criteria being developed through the joint regional effort. As discussed above under Measurable Goal 5.1.1 the County currently requires LID through the development review process. Enforceable mechanisms are already in place to require LID on discretionary projects and condition as appropriate for water quality design standards consistent with Attachment 4(B). These enforceable mechanisms include Comprehensive Plan policy, Board-approved interpretation of that policy, CEQA thresholds of significance related to water quality impacts and standard conditions of approval. During Year 4 revisions were made to the Land Use Permit application requiring discretionary projects subject to Attachment 4 to include minimum LID measures in order for the application to be deemed complete.

Proposed Modifications: No modifications to this measurable goal are proposed.

Planned Year 5 Activities: Develop a hydromodification control plan; see BMP 5.7 below.

BMP 5.4 Discretionary Permit Review Process: Project Evaluations

Measurable Goal 5.4.1. *Evaluate 100% of all discretionary projects receiving approval for construction, implementation, and, as appropriate, proper functioning and maintenance of water quality measures*

Status: Complete. All projects issued a discretionary permit (CUPs, DVPs, etc.) undergo regular inspection during construction to ensure compliance with permit conditions and mitigation measures. Construction practices must comply with all conditions of approval, the design must be consistent with final approved plans, construction must meet all codes and standards, and the final project must comply with any conditions of use or final design conditions such as landscaping. Site inspections for permit compliance are performed by the Development Review Division of Planning & Development Department. Inspections are tracked through the recently upgraded Accela permit tracking system.

Conditioning a project begins at the time the application is submitted. A lengthy process of development review and project adjustment ensues. This is followed by decision maker hearings where new requirements may be imposed. Once approved, the developer must then submit for building and grading permits. Many projects never make it this far, much less get

constructed. Therefore, it takes many years between conditioning, plan checking, and construction of treatment control BMPs.

General Permit Section B.e.4 requires the County to “ensure adequate long-term operation and maintenance of BMPs”. To ensure operation and maintenance, all projects are required to enter into an approved maintenance agreement with the County to assure perpetual maintenance of treatment control facilities by the property owner. The maintenance agreement gives the County the ability to go onto private property to verify proper operations and perform maintenance, if necessary, at the property owner’s expense. Also, because maintenance of the facility is also a condition of development, failure to maintain the facilities is a zoning violation.

All discretionary projects with post-construction mitigation measures to protect water quality are inspected during construction by Planning & Development staff. In addition, projects that have structural treatment control measures must be certified and stamped by the design engineer upon completion and prior to final Occupancy Clearance. All projects conditioned by Public Works staff under General Permit Attachment 4.B.2.i are tracked using an excel spreadsheet. The spreadsheet contains the following fields:

Post Construction Tracking									
Name									
Address									
Responsible Contact						Engineer			
Phone			office						
APN									
Permit No.									
Recorded Agmt									
Treatment Feature(s)									
		Date		Comments					
Inspections									

The following table lists those projects tracked during Year 4 and their status:

Project	Area	Status
Cate School	Montecito	Inspected; in progress
Isla Vista Parking	Isla Vista	Inspected; complete
Foxen Dore Winery	Santa Maria	Inspected; complete.

Westmont College
Orcutt Union

Montecito
Orcutt

Inspected; in progress.
Inspected; in progress

Proposed Modifications: Ongoing evaluation of treatment control measures will continue; no changes are recommended.

Planned Year 5 Activities: Continued inspections to verify compliance with measures as projects are constructed. Continue tracking all conditioned projects.

Measurable Goal 5.4.2: *Take enforcement actions on 100% of all projects where there is non-compliance on conditioned projects with approved water quality design, operation and/or maintenance procedures (including a correction notice, Stop Work Order, collection of any bonds, and establishing a time frame for developer to take corrective steps to resume work)..*

Status: No enforcement actions were taken in Year 4 because no violations were found.

Proposed Modifications: None.

Planned Year 5 Activities: No change in activities proposed.

BMP 5.5 Staff Training

Measurable Goal 5.5.1: *75% attendance by P&D permit and review staff involved in design review at annual storm water trainings by year 1.*

Status: Completed. See Year 1 Annual Report.

Proposed Modifications: NA.

Planned Year 5 Activities: Continue to provide training to all existing and new P&D staff. See MG 5.5.2.

Measurable Goal 5.5.2: *100% attendance by P&D permit and review staff involved in design review at annual storm water trainings or through videotape by Year 2*

Status: All P&D development review staff received training by PCW staff during Year 4. The training focused on new directives from Regional Board staff concerning Low Impact Development and hydromodification controls. Results from the Year 3 survey were used to emphasize areas where results showed decline such as information needed for application completeness. Prior to delivering the training, efforts were made to obtain P&D upper level management understanding and buy-in of the SWMP permit requirements, LID, and the role of P&D in implementing LID. This year staff training was provided by the Project Clean Water manager and included active participation from P&D management. Training emphasized the planner's role (vs. Public Works) in implementing LID and Attachment 4(b) design standards. A more intensive, one-hour training session was offered to staff in order to

allow discussion and dialogue. A schedule of P&D staff training is provided below in Table 5-3.

Table 5-3 Development Review Staff Training

Date	Staff	#	Total staff	Percent trained	Meet Measurable Goal?
December 17, 2009	Management	6	6	100%	Yes
January 11, 2010	D-Rev South	11	11	100%	Yes
January 25, 2010	D-Rev North	9	9	100%	Yes
June 14, 2010	B&S north & south	6	6	100%	Not a MG
June 23, 2010	B&S Inspectors north	3	3	100%	Not a MG
June 29, 2010	B&S Inspters, south	8	8	100%	Not a MG

In the process of reviewing and improving the County’s LID implementation, PCW staff and P&D Deputy Directors representing North and South County staff met regularly throughout the year. The purpose was to discuss Regional Board’s requirements for implementing LID / hydromodification, consider existing policy and procedures, and develop a strategy for carrying out the Regional Board’s directives under the NPDES permit. Meetings were held September 24, October 20, November 18, December 17, and March 5.

In addition to training planners, staff from the Building and Safety Division (grading, plan check, and building inspectors) were also included this year on the new LID expectations to improve successful implementation of LID measures during the construction phase of development. For example, inspectors were trained to recognize and be aware of LID structural features, and in particular cautioned not to casually approve what may appear to be minor revisions to project design where such revisions could be related to LID. In these situations, the building or grading inspector should verify with the development review planner prior to approving any changes.

Proposed Modifications: Ongoing annual training for planners will continue; no modifications to measurable goal are recommended.

Planned Year 5 Activities: Continue to provide training to all existing and new planning staff using similar format and materials as Years 3 and 4.

Measurable Goal 5.5.3: *Achieve participation of 100% of all new planning staff in a County water quality training (in-house). (Years 1-5)*

Status: There were no new staff in Year 4.

Proposed Modifications: Ongoing commitment will continue; no modifications are recommended.

Planned Year 5 Activities: Continue to provide training to all new P&D staff.

Measurable Goal 5.5.4: *Provide effectiveness assessment and follow-up to assure that planners understand County responsibilities and their role implementing this program.*

Status Training of development review staff in Year 4 focused on implementation of LID through existing policy authority and practice, and the revisions to the Land Use Permit application (see discussion above MG 5.5.1). Effectiveness and follow-up with planners was to be assessed once the revised application became effective, which was initially intended for Year 4. Due to ongoing correspondence and productive exchanges with Water Board staff, LID Center staff, P&D managers, and numerous interested stakeholders, various drafts of the revised permit were considered and implementation was delayed until Year 5. We believe the final product will be better accepted and applicable as a result. Staff will receive refresher training on documentation of LID measures and updates to the Planner's Procedure Manual once the revised permit takes effect. Effectiveness will be assessed at that time.

Proposed Modifications: This measurable goal was added in 2008; no modifications are proposed.

Planned Year 5 Activities: Effectiveness assessment and follow-up will take place after the revised Land Use Permit takes effect in Year 5. The follow-up will consist of a refresher training for development review staff on documentation of LID measures, with particular attention on electronic tracking through the Countywide electronic tracking system, Accella, and the requirement for LID measures to be shown on the initial application submittal in order for the application to be deemed "complete" per CEQA review procedures.

BMP 5.6 Incentive Program for Innovative Site Design

Measurable Goal 5.6.1: *Establish an incentive program for developers/contractors who implement good site design. Incentives could be in the form of reduced fees or fast-tracking through permit process. This would also apply to remodels or redevelopment that requires a discretionary permit (Year 3).*

Status: See discussion in Year 3 Annual Report. During Year 4, opportunities to work with Innovative Building Review Program (IBRP) were carefully examined. The IBRP advises developers on how to make their developments more energy efficient. Through ongoing

conversation with P&D staff, it was determined that the IBRP process would not be an effective means to encourage or promote LID, at least at this time due to its current focus on energy and the level of experience provided by the IBRP members. For the level of staff effort to attend these meetings and the lack of meaningful benefit to the applicant, the IBRP was not considered a sustainable mechanism. Furthermore, it was determined that reduced fees or expedited review could not be offered, at least at this time.

As discussed in the Year 3 report, the strongest incentive to an applicant is to avoid unexpected costs and minimize design costs by meeting multiple objectives, i.e. flood control, water quality, and LID. Developers have clearly communicated to staff that they are most concerned with lack of consistency and variability in the LID requirements. Thus, revisions to the application provided prescriptive requirements, making the completeness determination clearer for both planners and applicants.

Therefore, focus was turned toward developing a more standardized approach for LID. Specifically, this approach included an up-front requirement on the Land Use Permit application to specify which LID measures the project includes.

Staff developed approach for LID implementation through the development review process by establishing minimum LID measures required, and providing guidance through a menu of design approaches to accomplish those measures (see discussion 5.7 below).

Proposed Modifications: No modifications.

Planned Year 5 Activities: Continue to work toward integrating water quality criteria and low impact development in the development review process in coordination with the Regional Board and other municipalities through the Joint Effort.

Measurable Goal 5.6.2: *Establish an annual award program in following year for the most innovative project approved by County. This program would include projects nominated by the County as well as the public. The number of projects and types of innovations that are nominated each year will be tracked and reported to determine whether there is an overall increase in projects with innovative site design or overall improvement in the type of innovations (Year 4).*

Status: An award program was developed during Year 4. This program awards a Certificate of Recognition for excellent LID implementation on new and redevelopment projects.

Projects must be located within unincorporated Santa Barbara County, and must be constructed and installed. There is no size or scope limitation; any new or redevelopment project is acceptable. Any project can be nominated by any person. County staff from Project Clean Water and Planning & Development will evaluate individual projects for inclusion in the award program.

A Certificate of Recognition is awarded for projects which exemplify the following attributes:

1. Site design/development layout incorporates LID principles (i.e. driveways, roadways, parking, building footprint, green roof, permeable materials, etc)
2. Integrated structural controls, using a treatment train approach with multiple benefits and various
3. Simple, low-cost design allows for easy installation and long-term maintenance
4. Aesthetically pleasing

Goals of Award Program:

1. Comply with this measurable goal.
2. Acknowledge outstanding or innovative work integrating LID measures into new and redevelopment, as appropriate for that site.
3. Promote future effort and collaboration between engineers, architects, and landscape architects
4. Demonstrate long-term success by reviewing notable LID features every five years

See Appendix 5B for an example of the certificate of recognition award.

Proposed Modifications: None proposed.

Planned Year 5 Activities: Projects reviewed or built during Year 5 will be awarded based upon a review and assessment of the following: number of innovative measures in proportion to size and scale of development, ease of long-term inspection and maintenance, and point of completion. The award program will be discussed publically and advertised through interested trade journals and associations.

BMP 5.7 Enforceable Mechanisms to Implement Hydromodification Controls and Low Impact Development (LID)

Measurable Goal 5.7.1: *Analyze all applicable codes, regulations, standards, and/or specifications and identify modifications and/or additions necessary to effectively implement hydromodification controls and LID. Q2*

Status: The County is committed to participating in the regional joint effort to develop hydromodification control criteria within a two year period and will make continual progress in preparing for eventual implementation. It is anticipated that the joint effort will be authorized, funded and underway within the next few months.

PCW, in conjunction with other affected County departments/divisions, has already begun to analyze applicable enforceable mechanisms including municipal codes, regulations, standards, and specifications that may need to be modified to effectively implement LID. As discussed above under Measurable Goal 5.1.1 the County currently requires LID through the development review process. Enforceable mechanisms are already in place to require LID on discretionary projects and condition as appropriate for water quality design standards. These enforceable mechanisms include Comprehensive Plan policy, Board-approved interpretation

of that policy, CEQA thresholds of significance related to water quality impacts and standard conditions of approval. To make these requirements clearer to applicants and at the same time assure that LID is considered early in the design process, a new item will be added to the Land Use Permit application addressing LID in Year 5 (Appendix 5A). The revision makes clear that certain discretionary projects subject to Attachment 4 must include minimum LID measures for the application to be deemed complete. Modifications to effectively implement hydromodification controls may need to wait until more detail on those controls is known later in the joint effort process.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: The County will complete an analysis of necessary modifications to codes, regulations, standards, and specifications to effectively implement LID by the end of Q2. Q2 refers to quarter 2 of a schedule of nine 3-month quarters, corresponding to the two-year schedule for the Joint Effort (Q1 through Q8) and the first quarter of the following year (Q9). Quarter 1 (Q1) will begin upon notification from the Central Coast Water Board anticipated in the fall of 2010. The County will report to the Water Board on completion of this measurable goal within 30 days of the end of Q2.

Measurable Goal 5.7.2: *Approve new and/or modified enforceable mechanisms that effectively resolve regulatory conflicts and implement hydromodification controls and LID in new and redevelopment projects. Q8*

Status: The County is committed to participating in the regional joint effort to develop hydromodification control criteria within a two year period and will make continual progress in preparing for eventual implementation.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: None; The County will approve necessary modifications to codes, regulations, standards, and specifications to effectively implement hydromodification controls and LID by the end of Q8. Based on the current anticipated schedule, Q 8 would occur in Year 7 of the County SWMP (fall 2012).

Measureable Goal 5.7.3: *Apply new and/or modified enforceable mechanisms to all applicable new and redevelopment projects. Q9*

Status: New and/or modified enforceable mechanisms will be applied to applicable projects once the regional joint effort to develop hydromodification control criteria has been successfully completed.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: None; The County will begin applying enforceable mechanisms to applicable new and redevelopment projects once the regional joint effort to develop hydromodification control criteria has been successfully completed. This is anticipated in Q9. Based on the current anticipated schedule, quarter 9 would occur in Year 7 of the County SWMP (calendar year 2013).

BMP 5.8 Hydromodification Control Criteria and Applicability Thresholds

Measurable Goal 5.8.1: *Derive municipality-specific criteria for controlling hydromodification in new and redevelopment projects using Water Board-approved methodology developed through the Joint Effort. Q8*

Status: New criteria for controlling hydromodification in new and redevelopment projects using Water Board-approved methodology will be derived once the methodology has been developed through the Joint Effort process.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: None; The County will begin to derive new criteria for controlling hydromodification once the methodology has been developed by the Water Board and its technical consulting team, estimated to be in Q4 or Year 6 of the County SWMP. The criteria will be finalized by Q8.

Measurable Goal 5.8.2 *Select applicability thresholds for applying hydromodification control criteria to new and redevelopment projects that are consistent with long-term watershed protection. Q8*

Status: The County will begin to develop applicability thresholds for applying hydromodification control concurrent with development of the criteria. New criteria using Water Board-approved methodology will be derived once the methodology has been developed through the Joint Effort process.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: None; The County will begin to develop applicability thresholds once the methodology has been developed by the Water Board and its technical consulting team, estimated to be in Q4 or Year 6 of the County SWMP. The applicability thresholds will be finalized by Q8.

BMP 5.9 Implementation Strategy for LID and Hydromodification Control

Measurable Goal 5.9.1: *Develop, advertise and make available LID BMP Guidance suitable for all stakeholders (Q4).*

Status: PCW, in conjunction with other affected County departments/divisions, has already begun to develop and update existing LID BMP guidance suitable for all stakeholders. As discussed above under Measurable Goal 5.1.1 and 5.7.1, the County currently requires LID through the development review process and enforceable mechanisms are already in place. To make these requirements clearer to applicants and at the same time assure that LID is considered early in the design process, a new item was added to the Land Use Permit application that requires minimum LID measures for certain discretionary projects before the application is deemed complete. Development and implementation of this application revision involved ongoing multiple public meetings, targeted outreach to the engineering and development industry, training to P&D staff, and updates to associated procedures manuals. All of these requirements, along with references to LID technical guidance documents from other jurisdictions, are available on the PCW web site.

PWC is also in the process of preparing a public information brochure on LID and a user's guide to LID intended to provide planners, developers, contractors, builders, designers, homeowners, engineers, architects, and landscape architects with an LID road map through the County development review process.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: The County will develop, advertise and make available an LID public information brochure and a user's guide to LID.

Measurable Goal 5.9.2: *Develop, advertise and make available specific guidance on how to achieve and demonstrate compliance with the hydromodification control criteria and LID requirements to new and redevelopment project applicants (Q8).*

Status: The County will begin to develop specific guidance on how to achieve and demonstrate compliance with the hydromodification control criteria and LID concurrent with development of the criteria. New criteria using Water Board-approved methodology will be derived once the methodology has been developed through the Joint Effort process.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: None; The County will begin to develop specific guidance once the methodology has been developed by the Water Board and its technical consulting team, estimated to be in Q4 or Year 6 of the County SWMP. The guidance will be finalized by Q8.

Measurable Goal 5.9.3: *Document goals, schedules, and target audiences for education and outreach the County will conduct in support of the following strategic objectives: enforceable mechanisms, hydromodification control criteria, applicability thresholds, LID BMP design, and compliance with LID and hydromodification control criteria (Q2).*

Status: The County has already begun education and outreach related to development and implementation of the LID application revision that involved multiple public meetings and targeted outreach to the engineering and development industry (see Measurable Goal 5.1.1 above). There were two public forums during Year 3 related to the regional joint effort to develop hydromodification control criteria: a charette conducted by Water Board staff on August 27, 2009 at UCSB and a well-attended PCW stakeholder meeting on January 28, 2010 at Lake Cachuma on hydromodification control and pending regulations that was targeted toward the development community.

Additional informational and training workshops will be held concurrent with development of the criteria itself. The development community will be encouraged to actively participate in development of hydromodification control criteria in order to build their capacity to propose, design and construct projects which control hydromodification and to ensure that pending hydromodification control requirements can be implemented.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: The County will document goals, schedules, and target audiences for an education and outreach program by the end of Q2, estimated for April 2011.

Measurable Goal 5.9.4: *Provide hydromodification control and LID training to P&D permit and review, inspection, and enforcement staff (Q8).*

Status: PCW currently provides annual LID training to P&D staff. Once the hydromodification control criteria are developed, the annual training will be modified to address any and all new requirements and to condition projects appropriately. P&D staff involved in project permitting will be encouraged to actively participate in development of hydromodification control criteria to ensure that any new procedures related to pending hydromodification control requirements can be implemented.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: None; Training to P&D staff on hydromodification control will occur once the regional joint effort has been successfully completed. Based on the current anticipated schedule, training in Q8 would occur in Year 7 of the County SWMP.

Measurable Goal 5.9.5: *Develop Tracking Report indicating the County's accomplishments in education and outreach supporting implementation of LID and hydromodification control for new and redevelopment project (Q8).*

Status: PCW has already started tracking education and outreach efforts supporting implementation of LID. Tracking of efforts related to hydromodification control will begin once the regional Water Board and technical consulting team has completed preparation of the methodology.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: PCW will continue to track education and outreach efforts supporting implementation of LID.

Measurable Goal 5.9.6: *Apply LID principals and features to all applicable new and redevelopment projects (Q2, Q8).*

Status: As discussed above under Measurable Goals 5.1.1, 5.7.1 and 5.9.1, the County currently requires LID through the development review process and enforceable mechanisms are already in place. A new item was added to the Land Use Permit application that requires minimum LID measures for certain discretionary projects for the application to be deemed complete. PWC is currently preparing a public information brochure and a user's guide to LID intended to provide planners, developers, contractors, builders, designers, homeowners, engineers, architects, and landscape architects with an LID road map through the County development review process.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: The County will continue to apply LID principals and features to applicable projects.

Measurable Goal 5.9.7: *Develop Tracking Report, for the period Q2 to Q8, identifying LID design principles and features incorporated into each applicable new and redevelopment project (Q9)*

Status: The County will begin tracking LID principles and features that are applied to projects through the Accela permit tracking and reporting system once the joint effort has been officially launched.

Proposed Modifications: This is a new measurable goal added to our SWMP in February 2010; no modifications are proposed.

Planned Year 5 Activities: PCW will begin tracking LID principles and features that are applied to projects once the joint effort begins in fall 2010.