



SECTION 7

NEW AND REDEVELOPMENT WORK PLAN

7. FY 06-07 NEW AND REDEVELOPMENT (C.3.) WORK PLAN

INTRODUCTION

This section describes the Program's planned tasks during FY 06-07 to continue to assist Co-permittees to control the impacts of development on stormwater quality and flow through the development project planning, review and approval process.

BACKGROUND

On October 17, 2001, the Water Board adopted Order 01-119 which amended the Program's Permit Provision C.3. (New and Redevelopment Requirements) to contain significant new requirements. These requirements include:

- Numeric design standards for sizing stormwater treatment controls;
- Limits on increases in peak stormwater discharges from new or redevelopment sites that may increase erosion in creeks;
- Requirements for operation and maintenance of stormwater controls;
- Requirements for site design and source control measures;
- Definition of a minimum project size, based on amount of impervious surface created, for which the design standards, control measures, peak flow limitations, and maintenance requirements apply;
- Requirements for changes to General Plans and environmental review processes to provide authority to implement the requirements;
- Reporting requirements; and
- Schedule for implementation.

The Program and Co-permittees submitted work plans for implementing all C.3. requirements to the Water Board on March 1, 2002 (as part of the Program's *FY 02-03 Work Plan*, Volume II). These included the Program's "Guidance for Work Plan Tasks Related to Implementation of Permit Provision C.3." (referred to herein as C.3. Work Plan Guidance) which identifies proposed actions to meet the requirements of Provision C.3. and whether the actions will be implemented at the Program level, Co-permittee level or both. Most of the tasks in the C.3 Work Plan Guidance were completed by the end of FY 04-05. Additional implementation-phase tasks identified by the C3 Provision Oversight (C3PO) Ad Hoc Task Group and the Management Committee for FY 06-07 and ongoing support tasks are the basis of this work plan section.

Since the October 17, 2001 adoption by the Water Board of Order 01-119, there have been several changes to the requirements of Provision C.3. The first change, authorized by the Water Board Executive Officer, was an extension of three of the permit deadlines, as shown below, in order to be consistent with other Bay Area stormwater permits adopted subsequent to SCVURPPP Order 01-119¹.

¹ Letter to Beau Goldie, SCVURPPP Management Committee Chair, from Loretta Barsamian, Executive Officer, San Francisco Bay Regional Water Quality Control Board, re: Extension of Specified Deadlines in Order 01-119, May 12, 2003.

Provision	Activity	Original Deadline	New Deadline
C.3.c.i.	Require stormwater treatment BMPs at Group 1 Projects	July 15, 2003	October 15, 2003
C.3.c.ii.	Require stormwater treatment BMPs at Group 2 Projects in addition to Group 1 Projects	October 15, 2004	April 15, 2005
C.3.f.	Submit HMP for Regional Board approval	October 15, 2003	January 15, 2004

The second change relates to the definition of Group 2 projects. The Program requested Water Board approval of an Alternative Group 2 Project Definition, as allowed under Provision C.3.c.iii. of the Program's permit (Order No. 01-119). In a letter dated September 22, 2003, the Program proposed an Alternative Group 2 Project Definition that would make its Provision C.3. project size requirements consistent with the other Bay Area stormwater permit requirements (i.e., minimum project size of 10,000 square feet of impervious surface). At the Water Board's October 15, 2003, meeting, the Water Board authorized the Executive Officer to approve the Program's proposal.

The third change relates to the implementation date for Group 2 projects. Order R2-2005-0035, adopted July 20, 2005, contains revisions to Order 01-119 that recognize two types of Group 2 projects and extends the implementation dates for both. Group 2A includes projects that are more likely to contribute pollutants to stormwater (e.g., gas stations, auto wrecking yards, loading docks) and parking lots with 10,000 square feet or more of impervious surface. Group 2B includes all other Group 2 projects. The Group 2A implementation date was effective on October 20, 2005. The Group 2B implementation date was extended to August 15, 2006 to be consistent with other Bay area permits. In addition, Order R2-2005-0035 incorporated key provisions of the Program's *Hydromodification Management Plan Report* (April 2005) into the SCVURPPP permit.

A summary of the subsequent changes in permit deadlines resulting from the adoption of Order R2-2005-0035 is presented below:

Provision	Activity	Previous Deadline	New Deadline
C.3.c.ii.	Require stormwater treatment BMPs at Group 2 Projects: <ul style="list-style-type: none"> • Group 2A (special land use categories) • Group 2B 	April 15, 2005	October 20, 2005 August 15, 2006
C.3.f.	Implement HMP Key Provisions	Following Water Board approval	October 20, 2005

PAST AND CURRENT ACTIVITIES TO IMPLEMENT C.3.

Section 8 of the Program's *FY 04-05 Annual Report* described the progress of the Program (up to September 15, 2005) in completing Program tasks in the C.3 Work Plan and assisting Co-permittees to prepare for implementation of the C.3. requirements. With most of the preparation tasks completed, Co-permittees are now focusing on the implementation of C.3. requirements for Group 1 projects (those creating or replacing one acre or more of impervious surface) and Group 2a (as described above). The Program has continued to hold meetings of the C.3. Provision Oversight Ad Hoc Task Group (C3PO AHTG) to keep Co-permittees updated on current issues and promote exchange of ideas on and experience with C.3. implementation.

The Program also completed its Hydromodification Management Plan (HMP) in April 2005, and submitted it to the Water Board on May 4, 2005. Key provisions of the HMP were adopted by the Water Board on July 20, 2005 (as described above), and Co-permittees began implementation on October 20, 2005. Chapter 7 of the HMP Report identifies a number of action items that Program and Co-permittee staff will complete to address remaining HMP implementation issues. These action items and other related tasks are listed with anticipated start and completion dates within Attachment 7-1, "SCVURPPP HMP - Summary of Next Steps" (revised February 1, 2006).

To make it easier for developers to design flow control facilities to comply with the HMP, the Program investigated an automated modeling and flow control facility sizing tool called the Western Washington Hydrology Model, and collaborated with several other Bay Area stormwater programs to develop a version of the tool adapted to the Bay Area called the Bay Area Hydrology Model (BAHM). Development of the regional portion of the model began in February 2006. Calibration of the tool to specific watersheds within the Santa Clara Valley will be initiated in late FY 05-06 and completed during FY 06-07.

During the fall and winter of FY 05-06, Program staff was involved with Water Board staff and NGO representatives in a process to develop a Municipal Regional Permit for the Bay-area Phase 1 countywide stormwater programs. A Program staff person served on the New Development Work Group and assisted the group in establishing the current baseline activities conducted by municipal agencies and developing a list of options for the future permit. Work on the Municipal Regional Permit is expected to continue during FY 06-07.

FY 05-06 C.3. IMPLEMENTATION TASKS**General C.3. Tasks**

Table 7-1 presents the list of tasks from the C.3. Work Plan and other tasks that will be implemented in FY 06-07. Most of the tasks in the original multi-year C.3. Work Plan have been completed, except for ongoing reporting and implementation assistance. Some tasks identified for FY 05-06 were delayed due to unexpected time spent on the Municipal Regional Permit. As a result, some will carry over to the beginning of FY 06-07. Tasks in FY 06-07 will focus on continuing assistance with implementation of the current permit provisions, and guidance on implementation of any changes made in the Municipal Regional Permit (assuming it will be completed mid-fiscal year.)

Anticipated needs for implementation assistance in FY 06-07 include:

- Guidance on implementing changes to Provision C.3. in the Municipal Regional Permit, and updates to the C.3. Handbook to reflect those changes;
- Development of model standards and specifications for certain BMPs;
- Workshop on implementation and design of certain BMPs (e.g., bioretention, planter boxes, green roofs, etc.); and
- Continued assistance with SCVURPPP agencies' implementation of BMP O&M verification programs and development of a Program-wide database (ongoing);
- Regional roundtable meetings with agency staff from SCVURPPP and other stormwater programs to share information about implementation strategies and experience, facilitated through the BASMAA New Development Committee (ongoing);
- Continued assistance with the C3PO AHTG meetings and action items (ongoing);
- Continued guidance and assistance with annual reporting of C.3. information (ongoing).

HMP Tasks

The focus in FY 06-07 will be to continue providing assistance to local agencies and the development community with outreach and implementation. Most of the tasks listed within the document entitled "Summary of Next Steps" (Attachment 7-1) are scheduled for completion during FY 05-06. However, some tasks will not be completed or will begin in FY 06-07. Anticipated tasks for FY 06-07 include:

- Provide guidance on any changes to HMP requirements in the Municipal Regional Permit, and update the HMP and C.3. Stormwater Handbook to reflect these changes;
- Collect data on HMP implementation at small sites and plan to re-evaluate the small site size threshold after two years of implementation (HMP Next Steps Task 9 (ongoing)– may be superseded by changes to the permit);
- Conduct programmatic monitoring tasks identified in Section 7.8 of the HMP Report (tracking projects, documenting BMP design and inspection, self-evaluation -- annually);
- Continue to develop approach for quantifying the flow control benefits of site design measures and other BMPs, and implement through modifications to the BAHM (begun in FY 05-06);
- Conduct one or more workshops on HMP implementation (annually); and
- Conduct additional implementation studies for example sites in Santa Clara Valley (ongoing).

ATTACHMENTS

Attachment 7-1 SCVURPPP HMP - Summary of Next Steps (revised March 1, 2006)

**Table 7-1
Schedule and Deliverables for FY 06-07 New and Redevelopment (C.3) Tasks**

Task from C.3. Work Plan	Schedule	Deliverables
C.3.c. Requirements for Group 1 and Group 2 Projects		
<p>All C.3. Work Plan tasks completed. Other tasks:</p> <ul style="list-style-type: none"> • Promote/facilitate regional roundtable meetings with agency staff from SCVURPPP and other stormwater programs to share information about implementation strategies and experience; • Guidance on implementing changes to Provision C.3. in the Regional Permit, and updates to the C.3. Handbook to reflect those changes; • Develop model standards and specifications for certain BMPs; • Continued assistance with the C3PO AHTG meetings and action items; • Conduct workshop on implementation and design of BMPs, such as bioretention, planter boxes, green roofs, etc.; 	<p>Ongoing</p> <p>TBD, pending adoption of MRP</p> <p>6/07</p> <p>Ongoing</p> <p>6/07</p>	<ul style="list-style-type: none"> • Regional meetings and summaries • C.3. Handbook updates • Model standards and specifications • C3PO AHTG meetings and summaries • Workshop
C.3.e. Operation and Maintenance of Treatment BMPs		
<p>e.1. Assist Co-permittees to report on treatment BMP O&M verification program in each annual report, including organizational structure, evaluation of effectiveness, and planned improvement to the program.</p> <p>Other Tasks:</p> <ul style="list-style-type: none"> • Continue assistance with SCVURPPP agencies' implementation of BMP O&M verification programs and develop a Program-wide database. 	<p>Ongoing - FY 03-04 Annual Report and future ARs</p> <p>Ongoing</p>	<ul style="list-style-type: none"> • Guidance on Annual Report preparation • Program-wide database (6/07)

Table 7-1, continued
Schedule and Deliverables for FY 06-07 New and Redevelopment (C.3) Tasks

Task from C.3. Work Plan		Schedule	Deliverables
C.3.f. Hydromodification Management Plan			
f.2.	<p>Develop guidance to the Co-permittees on implementation of the HMP as part of requirements for Group 1 projects that may cause increased erosion or other related impacts (See also Attachment 7-1).</p> <ul style="list-style-type: none"> • Conduct one or more workshops on HMP implementation; • Provide guidance on any changes to HMP requirements in the Regional Permit, and update the HMP and C.3. Stormwater Handbook to reflect these changes; • Continue to develop approach for quantifying the flow control benefits of site design measures and other BMPs, and implement through modifications to the BAHM; 	<p>6/07</p> <p>TBD, pending adoption of MRP</p> <p>6/07</p>	<ul style="list-style-type: none"> • Workshop and handouts • Updates to C.3. Handbook • BAHM modifications and guidance
f.3.	<p>Upon adoption by the Water Board, begin implementation of HMP requirements for Group 1 projects that may cause increased erosion or other related impacts.</p> <ul style="list-style-type: none"> • Conduct additional implementation studies for example sites in Santa Clara Valley. • Collect data on HMP implementation at small sites and plan to re-evaluate the small site size threshold after two years of implementation (HMP Next Steps Task 9 – may be superseded by changes to the permit); • Conduct programmatic monitoring tasks identified in Section 7.8 of the HMP Report (tracking projects, documenting BMP design and inspection, self-evaluation); 	<p>FY 06-07</p> <p>6/07</p> <p>9/07</p> <p>9/07</p>	<ul style="list-style-type: none"> • Program to assist Co-permittees with questions about implementation • Technical memorandum on one or more studies • Data collection and analysis provided in FY 06-07 Annual Report • Monitoring results provided in FY 06-07 Annual Report

**Table 7-1, continued
Schedule and Deliverables for FY 06-07 New and Redevelopment (C.3) Tasks**

Task from C.3. Work Plan	Schedule	Deliverables
C.3.g. Waiver and Compensatory Mitigation Program		
g.3. Assist Co-permittees to track and report information on waivers granted, including project name, location, type, percent impervious surface, reasons for and terms of waiver, and the alternative benefit project and completion date.	Ongoing - FY 03-04 Annual Report and future ARs	<ul style="list-style-type: none"> • Guidance on Annual Report preparation
C.3.j. Site Design Measures Guidance and Standards Development		
j.2. Assist Co-permittees to prepare and submit reports summarizing the status of review, revision, and implementation of local site design guidance and standards, as part of their annual reports.	Ongoing - FY 03-04 Annual Report and future ARs	<ul style="list-style-type: none"> • Guidance on Annual Report preparation
C.3.n. Reporting Requirements		
n.1. Provide information described in Table 1 of Provision C.3. in annual reports	Ongoing - FY 03-04 Annual Report and future ARs	<ul style="list-style-type: none"> • Guidance on Annual Report preparation
n.2. Assist Co-permittees to collect information and report a summary of types of pesticide reduction measures required for development projects, and the percentage of projects for which pesticide reduction measures were required.	Ongoing - FY 03-04 Annual Report and future ARs	<ul style="list-style-type: none"> • Guidance on Annual Report preparation