

BASMAA OPC BMP Training Outline *Draft 2*

- Purpose:**
- 1). To provide a working understanding of the Regional General Permit requirements.
 - 2). To sell the idea that it is important to implement BMPs for minimal impact maintenance activities.
 - 3). To provide a clear understanding of when, which and how to implement and maintain the BMPs.
 - 4). To provide clear guidance and materials to help attendees train their staff to implement BMPs.

- Audience:**
- 1) Flood Control Maintenance Supervisors
 - 2) Environmental Services Department Staff
 - 3) Engineering Design Staff

- Logistics:**
- 1) Auditorium -- to fit entire group, slide presentations, places to display posters. Kitchen area, or area to set up for lunch/ refreshments.
 - 2) Nearby site visit or large corporation yard to set up hands-on examples, break into groups.
 - 3) Full Day Training. Group break-outs.

- Location:**
- 1) Alameda County Flood Control District
 - 2) ?

Timing: Spring 2001, 2 identical workshops on separate days

TRAINING OUTLINE

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|------|--------------|--|
| I. | 8:00- 8:30AM | Registration and Refreshments (Posters on Display) |
| II. | 8:30- 8:45AM | Welcoming Remarks (Site Host Agency; Liz Lewis, OPC chair) <ul style="list-style-type: none"> • Workshop Facility Logistics • Reasons for Workshop • Goals: Train the Trainer • Introduction to the Day/ Style of Workshop (interactive) |
| III. | 8:45- 9:00AM | Cracking Open the Books: Workshop Materials (Rick Baker/WE) <ul style="list-style-type: none"> • Binder and Field Guide; • Additional Train-the-Trainer Training Materials |
| IV. | 9:00- 9:30AM | Interactive Group Activity—Using the Binder and Field Guide. <ul style="list-style-type: none"> • Split into Tables. Each Table has a different activity that they are assigned to plan for. They must figure out which BMPs they are going to use. • After set time, each group shares its project with the rest of the audience. |

- V. 9:30- 10:00AM The Importance of Stream Values
(Ann Riley video or Jill Marshall or ...)
- VI. 10:00-10:15AM Discussion of Stream Values
- VII. 10:15-10:30AM BREAK
- VIII. 10:30-10:45AM Introduction to the Regional General Permit
(Bill Hurley, Molly Martindale, Marla Lafer)
- What we are trying to accomplish
 - How the permit will ease paperwork/costs
 - Overview of what's in the permit/required
 - General Conditions & Prohibitions
- IX. 10:45-11:00AM RGP Discussion
- X. RGP Activity Sessions
- What the Activity Accomplishes
 - What are the Impacts
 - What are the Requirements
 - What BMPs are Available
- 11:00-11:10AM *Sediment and Debris Removal*
- A. Removal of sediment and debris from a concrete lined channel for the purpose of maintaining the channel's design flow.
 - B. Removal of sediment and debris from in-channel siltation basins.
- 11:10-11:30 *Vegetation Management*
- C. Cutting and removing vegetation above the ground by hand or low impact mechanical means, which does not cause incidental fill. Such vegetation control methods include: a) Hand removal or pruning of aquatic and terrestrial woody vegetation by use of loppers, hand saws, chainsaws, weed eaters and other tools; and, b) Repeat disturbance by mowing, or mulching of woody vegetation.
 - D. Vegetation control by application of herbicides registered for use in aquatic environments.
 - E. Selective removal of vegetation in accordance with a vegetation management plan developed specifically for that water body or channel reach.
 - F. Creek or riparian enhancement projects including eradication of exotic species, enhancement of fish and wildlife habitat values and routine vegetation maintenance activities such as replanting, new planting and maintenance of plantings.

- 11:30-11:45PM Sediment & Debris Removal; Vegetation Management Discussion
- 11:45-12:45PM LUNCH (Lunch speaker on effective training methods?)
- XI. RGP Activity Sessions Continued...
- 12:45- 1:30PM ***Maintenance of Structures***
- G. Maintenance and in-kind replacement of weirs or gates, including tidegates, trash racks, utility lines, stream gauge structures, structural channel linings, grade control structures, energy dissipaters, and bridge structures (including seismic retrofitting).
 - H. Maintenance of stormdrain or pump station inlet/outlet structures or in-kind replacement of stormdrain or pump station inlet/outlet structures of the same dimension, or with minor deviations in dimension, configuration or alignment.
 - I. Maintenance, repair, or in-kind replacement of piers and pilings.
 - J. Maintenance or repair of silt basins, debris basins, groundwater recharge basins, flood attenuation basins and retention basins. This includes basins constructed of earth sides and bottoms, and basins lined with hard lining materials.
 - K. Maintenance of culverts, or in-kind replacement of culverts of the same dimension, or with minor deviations in dimension, configuration or alignment.
 - L. Temporary water diversions associated with other related maintenance activities using structures such as cofferdams.
 - M. Removal of debris, sediment and other obstructions to flow within 100 feet upstream and downstream of structures including streamflow measuring stations, culverts, bridges stormdrain outfalls, weirs and gates, including tidegates, energy dissipaters, trash racks, utility lines, silt basins, dams, access ramps, and bridges.
 - N. Replacement of bank stabilization structures with in-kind structures or materials, or with less hardened alternatives (i.e., replacement of rip-rap with in-kind rip-rap, or with vegetated riprap or vegetated earthen banks).
- 1:30- 1:45PM Maintenance of Structures Discussion
- XII. 1:45- 3:30PM BMP Demonstrations (*note: will need more time if offsite...*)
- Spill Prevention & Control (III-CU-4.1)
 - Pesticide Application and Aquatic Conditions (III-CU-6.1)
 - Equipment & Vehicle (Maintenance/) Cleaning (III.EV.2.1)
 - Channel Protection & Restoration (III-NR-1.1)

- Dredging (III-SC-2.1)
 - Sediment Basin (III-SC-3.1)
 - Erosion Control Blankets (III-SS-1.9)
 - Temporary Stream Crossing (III-SS-3.2)
 - Removal of Existing Vegetation/Debris Removal (III-VDM-2.1, 4.1)
 - Temporary Outlet Protection (III-VR-4.9)
 - Storm Drain Protection (III-VR-5.1)
 - In Channel Flow Diversion System (III-WD-5.1)
 - Stabilized Unpaved Road Entrances (SS-4)
 - Concrete Use and Disposal (CU-8)
- XIII. 3:30-3:45PM Regional General Permit Monitoring and Reporting Requirements (Bill Hurley)
O. Monitoring and Reporting Requirements
(Photo documentation, water quality sampling, and reporting)
P. Planning and Scheduling Projects
- XIV. 3:45-4:15PM Group Discussion: How to Effectively Train Your Staff
- XV. 4:15-4:30PM Certification of Training/ Evaluations/Raffle/Giveaway
- XVI. 4:30PM Closing Remarks/ Adjourn