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.

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

Timing: Spring 2001, 2 identical workshops on separate days

TRAINING OUTLINE

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)
   • 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)
      • Binder and Field Guide;
      • Additional Train-the-Trainer Training Materials

IV. 9:00-9:30AM Interactive Group Activity—Using the Binder and Field Guide.
    • 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. 9:30-10:00 AM  The Importance of Stream Values
   (Ann Riley video or Jill Marshall or …)

VI. 10:00-10:15 AM  Discussion of Stream Values

VII. 10:15-10:30 AM  BREAK

VIII. 10:30-10:45 AM  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. 10:45-11:00 AM  RGP Discussion

X. RGP Activity Sessions
   • What the Activity Accomplishes
   • What are the Impacts
   • What are the Requirements
   • What BMPs are Available

11:00-11:10 AM  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 onsite…)

- 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