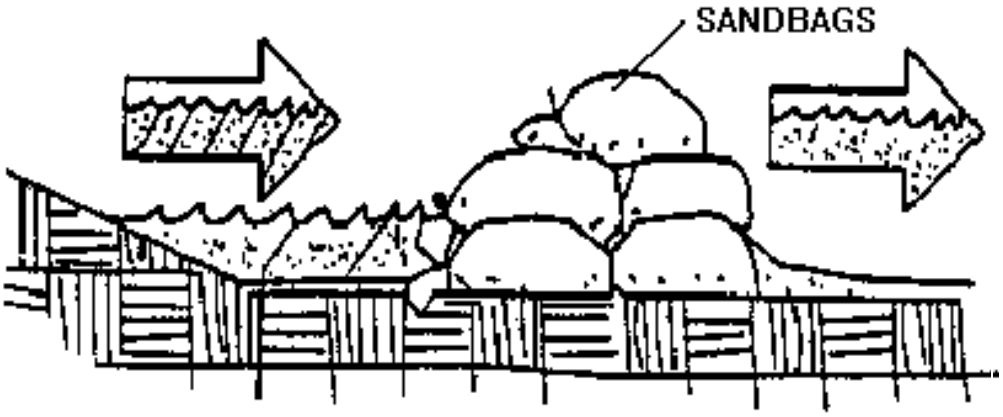
BMP: Sand Bag Barrier

SBB



OBJECTIVES

9 Housekeeping Practices
9 Contain Waste
9 Minimize Disturbed Areas
9 Stabilize Disturbed Areas
: Protect Slopes/Channels
: Control Site Perimeter
: Control Internal Erosion

DESCRIPTION:

Stacking sand bags along a level contour creates a barrier which detains sediment-laden water, ponding water upstream of the barrier and promoting sedimentation.

APPLICATION:

< Along the perimeter of the site.
< May be used in drainage areas up to 5 acres.
< Along streams and channels
< Across swales with small catchments.
< Around temporary spoil areas.
< Below the toe of a cleared slope.

INSTALLATION/APPLICATION CRITERIA:

< Install along a level contour.
< Base of sand bag barrier should be at least 48 inches wide.
< Height of sand bag barrier should be at least 18 inches high.
< 4 inch PVC pipe may be installed between the top layer of sand bags to drain large flood flows.
< Provide area behind barrier for runoff to pond and sediment to settle.
< Place below the toe of a slope.

LIMITATIONS:

< Sand bags are more expensive than other barriers, but also more durable.
< Burlap should not be used.

MAINTENANCE:

< Inspect after each rain.
< Reshape or replace damaged sand bags immediately.
< Replace sediment when it reaches six inches in depth.

TARGETED POLLUTANTS

▬ Sediment
9 Nutrients
9 Toxic Materials
9 Oil & Grease
9 Floatable Materials
9 Other Waste

IMPLEMENTATION REQUIREMENTS

▬ High Impact
: Medium Impact
9 Low or Unknown Impact

▬ Capital Costs
9 O&M Costs
9 Maintenance
9 Training

▬ High	: Medium	9 Low