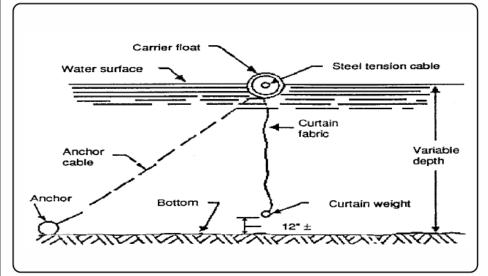
BMP: Flotation Silt Curtain



OBJECTIVES

- □ Housekeeping Practices
- Contain Waste
- ☐ Minimize Disturbed Areas
- ☐ Stabilize Disturbed Areas
- ☐ Protect Slopes/Channels
- Control Site Perimeter

DESCRIPTION:

A flotation silt curtain is a silt barrier for use within a lake or pond. The flotation silt curtain consists of a filter fabric curtain weighted at the bottom and attached to a flotation device at the top. This structure is used to isolate an active construction area within a lake or pond to prevent silt-laden water from migrating out of the construction zone.

APPLICATIONS:

▶ Where construction is conducted within a lake or pond area.

INSTALLATION/APPLICATION CRITERIA:

- ► The curtain should be constructed of a nylon fabric with a minimum tensile strength of 300 pounds per inch of fabric.
- ► The top of the curtain should have a flotation carrier consisting of a floating plastic tube (6-inch minimum diameter) filled with marine quality polyethylene foam. The flotation carrier should also have a 5/16" diameter coated steel cable in it to carry loads imposed upon the curtain.
- ► The bottom edge should be weighted by cable or chain with a minimum weight of 1.1 pounds per foot.
- ▶ One 24-pound anchor should be used per 100 feet of curtain.
- ▶ Where the curtain is made up of sections, the sections should be joined so that silt cannot permeate through the connection.

LIMITATIONS:

Not recommended in very shallow water bodies.

MAINTENANCE:

➤ The silt curtain should be maintained until the construction area is stabilized and turbidity is reduced to acceptable levels.



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TARGETED POLLUTANTS

- Sediment
- □ Nutrients
- □ Toxic Materials
- □ Oil & Grease
- Floatable Materials
- □ Other Waste
- High Impact
- Medium Impact
- □ Low or Unknown Impact

IMPLEMENTATION REQUIREMENTS

- Capital Costs
- ☑ O&M Costs
- Maintenance
 - Training
- High

- Medium
- □ Low