



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.

OBJECTIVES

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



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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