

Turbidity Curtain Installation Guide

The following is a typical installation guide for installing the floating silt and turbidity curtain. Sites may require additional designs, layouts, and performance requirements.

****** PLEASE NOTE: PROPER ANCHORING OF TURBIDITY CURTAINS IS EXTREMELY IMPORTANT. LOADING, VELOCITY, FLOW AND LOCATION OF SUBMERGED DEBRIS WILL IMPACT THE PERFORMANCE OF THIS PRODUCT—AND MAY CONTRIBUTE TO PRODUCT FAILURE. PLEASE ASK YOUR TEAM MEMBER FOR PROPER ANCHORING RECOMMENDATIONS BASED ON YOUR SITE AND CONDITIONS.**

(Prior to deploying, it is helpful to mark off your curtain layout using buoys or markers. This can help to direct boats along the right path during deployment and positioning.)

When arriving to your location, each section of the turbidity curtain will be bundled separately and secured with a vinyl strap. **(Fig 1)**

In addition, skirts located on the barrier will be additionally furled or rolled up to the flotation device with a light twine. DO NOT CUT THE TWINE REEFING LINES UNTIL YOUR CURTAIN HAS BEEN TOWED AND ANCHORED INTO POSITION. (see note page 2)

Step 1: Lay out bundles/sections of turbidity curtain along the shoreline of your location. Each bundle should be placed approximately 15 to 20 inches apart. Once in place, cut or untie the vinyl BUNDLE straps. **(Fig 2)**

Step 2: Slide together the aluminum section connectors. **(Fig 3a)** (These connectors will only be present on Type 2 or Type 3 curtains). Once together, insert the toggle pin to keep in place. **(Fig 3b)** (These types of Connectors will not be present on a Type 1 turbidity curtain.)

Step 3: Connect the grommet eyes of the sections using rope ties or heavy duty zip ties. This should be done by aligning the grommet eye of one section to the grommet eye of the next section. Once aligned, tie the rope through both grommet eyes.

Repeat for the entire depth of the skirt. **(Fig 4)**

(Steps 4 -7 Continued on p. 2)

For additional information regarding your curtain design, layout, or deployment method, please contact your local technical representative.



Fig 1



Fig2



Fig 3a



Fig 3b

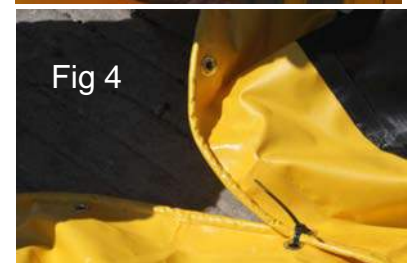


Fig 4



GEI
WORKS



(+1) 772.646.0597



(+1) 772.589.3343



info@geiworks.com

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PLEASE NOTE: In order to connect ballast chain, one or two reefing lines can be cut to extend the skirt for complete fastening. Once connection is complete, the skirt should be tied up again with a light cord prior to towing. Ensuring that the skirt is loosely rolled up to the float and tied off with a piece of scrap twine PRIOR to towing is important. Tearing and damage can occur if the curtain is towed from land to water unfurled.

Step 4: Attach sections of chain together using shackles located at the bottom of the curtain (Type 2 and Type 3 Turbidity Curtains). The shackle located on section 1 should attach to the chain or ring of section 2. This process should be repeated until all the sections are connected. (Fig 5)



Fig 5

Step 5: Prior to dragging curtain across shoreline, lay down geotextile or tarp to protect the curtain from sharp shoreline debris if applicable to your location. Tow the curtain out into position/anchoring points and secure the barrier to the anchors. See note above for towing curtain safely. (Fig 6)



Fig 6

Step 6 (Anchoring): Anchoring of the turbidity curtain is done by attaching the anchored buoy to the curtain through the use of a painter line. This line should connect to anchoring points or section connectors located along the barrier. Buoys should be anchored into position prior to connection to the barrier. Anchoring placement is designed based on your water conditions and will typically be reserved to moving water applications. (Fig 7)



Fig 7

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Step 7: Once in place, cut the twine rope and release the skirt into the water. Skirt should extend down for complete containment. All turbidity curtains should be inspected periodically to ensure that all the components on the barrier are operating correctly. (Fig 8)



Fig 8

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