

205-C-231 TEMPORARY TURBIDITY CURTAIN

Adopted (02-21-13)

Description

Turbidity curtains shall be implemented in accordance with 105.03.

Materials

Materials shall be in accordance with the following:

- Ballast:.....minimum 0.7 lbs/ft enclosed
1/4 in. galvanized chain.
- Curtain fabric material type:....impermeable vinyl-nylon
laminate.
- Flotation:.....6 in. diameter marine quality
expanded polystyrene.
- Grab tensile strength:.....minimum 300 lbs, in
accordance with ASTM D 4632.
- Net buoyancy:.....13 lbs/ft.
- Top load carrying components:....fabric only.
- Weight of fabric:.....18 oz/sq yd.

The materials shall be a bright color and shall be installed and maintained per the manufacturer's recommendations.

Any deviation from the above material specifications is subject to approval by the Engineer.

The manufacturer's recommendations shall be followed with regard to shipping, handling, storage, installation, and protection from direct sunlight. The curtain material will be rejected if it has defects, tears, punctures, flaws, deterioration, or damage incurred during manufacturing, transportation, storage, or installation. Each roll shall be labeled or tagged to provide product identification.

Material provided under this specification shall be covered by a Type B certification in accordance with 916.

Construction Requirements

The turbidity curtain shall be installed prior to any disturbance below the top of the channel bank, or as directed by the Engineer. Maximum water depth shall be as shown on the plans.

The Contractor shall inspect the curtain for sediment seepage plumes into the protected water. The Contractor shall repair and seal all tears, rips or openings which allow sediment to escape. The Contractor shall wait 48 hrs after site stabilization before removing the curtain. The Contractor shall minimize sediment re-suspension during curtain removal. Sediment that originated in the water body limits does not require removal. Damaged curtains shall be repaired prior to work continuing in the area.

Legible copies of all necessary current manufacturers' installation manuals shall be provided prior to installation. Required warning systems shall be in accordance with applicable local and federal laws and regulations. Seaming of the floating curtain shall be completed to develop the full strength of the product.

Method of Measurement

Turbidity curtains will be measured by the linear foot, installed.

Basis of Payment

Turbidity curtains will be paid at the contract unit price per linear foot.

Payment will be made under:

Pay Item

Pay Unit Symbol

Temporary Turbidity Curtain.....LFT

The cost of materials, installation, maintenance, and all other necessary incidentals shall be included in the cost of the pay item.