

A complex geotextile container used in the dredging and disposal of contaminated materials at Victoria Harbor

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ABSTRACT

In light of the active and increasing demand of marine transit due to the prosperous international trading business, the port facilities are supposed to operate functionally and smoothly so the intensive needs could efficiently be eased and relieved. Under such circumstances, the design, construction as well as maintenance of port facilities all play a magnificent role in upholding and improving the purpose of harbors. Therefore, to maintain the operation of shipping will be the key to determine the success of trading port. Taking the present and future necessity into consideration is definitely compulsory when the blueprint of harbor is drawn up. However, sediment is one of main factors to effect the basic operation of the harbor. Sorting out the prevention and cure method for sediment issue would be helpful to reduce the operation costs; simultaneously the satisfaction of users could be advanced. The advanced eco-friendly construction method is thus proposed to respond and treat the sediment harbor issue.

Keywords: Geotextile Container; Dredge; Harbor basin sludge