

Case Study – Maritime Constructions - Adelaide

The 2017 Adelaide festival will feature a reincarnation of a floating dance hall formerly known as the “Taj Mahal of the Torrens”. It was found that features of the Torrens river had changed since the 1920s however and the location of the new floating platform needed greater depth. To accommodate this the built up silts and sediments along the riverbed were removed by dredging. Maritime Constructions, an experience local contractor was awarded the project.

The dredge spoils needed to be contained and disposed of in an environmentally friendly way. Often uncontained dredge spoils carry unpleasant odors which would not be acceptable in this public job site. Geotube™ dewatering units were chosen to contain and filter the dredged slurry and allow clean effluent water to be discharged back into the Torrens River. A temporary dewatering cell was constructed to contain and channel the filtered water. The cell consisted of a thin HDPE liner with an overlaying layer of drainage aggregate. 4 Geotube™ units were used simultaneously to allow the dredge operation to work at full efficiency. 3 Geotube™ units could safely dewater while the 4th was being filled by the dredger at flows exceeding 300m³/hr. During dredging, the site remained virtually odorless and the high solids concentration achieved in the Geotube™ units allowed for economical disposal of the dredged river deposits. More dredging work is planned for the same dewatering site after the conclusion of the festivities.



