

PEAT SAND TRICKLE BIOFILTER TREATING LEACHATE

OWENGA LANDFILL, CHATHAM ISLANDS

In March 2014, Kliptank completed a project for a Peat Sand Trickle Biofilter for treating Leachate from the Owenga Landfill in the Chatham Islands.

THE SPECIFICATIONS OF THIS TANK ARE:

- ◆ Tank Capacity 50,000 litre
- ◆ 6.87m diameter
- ◆ 1.3m high
- ◆ Open-top
- ◆ Distribution framework/pipework for leachate jet application system
- ◆ Peat soil and sand

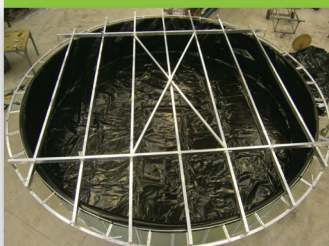
MWH/Downer required a treatment plant to treat leachate to reduce the BOD. A Kiptank Biofilter tank solution was selected due to its reliable construction for harsh environments including wind speeds of up to 160km/hr. In addition, Kiptank's ability to design specifically to MWH specific design that included provision to assemble on site the dosing wrack system incorporated into the tank.

Due to the remote location and unfriendly climatic conditions that can change rapidly, Kiptank's factory team assembled and tested the tank system prior to despatch to the client. Kiptank's modular design and erection process then made it straight forward to assemble on location. This provided the client with real confidence that once erected on site the system would function as designed and manufactured.

It was a no brainer for the client with the ease of site erection within 2 days and all components flat packed to site without any heavy trucks to transport needed.

CONSULTANT: MWH New Zealand Ltd
MAIN CONTRACTOR: Downer NZ Ltd
PROJECT MANAGER: Huntercivil Project Management Christchurch

The series of photos shows the construction process and the workings of the Kliptank.



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