

# Port Fairy Waste Reduction Plant Tank Cover



As part of an upgrade to the Port Fairy Waste Reduction Plant a new 18 metre diameter tank was built. In order to eliminate the entry of foreign material and the potential for algal growth a membrane cover was designed as part of the tank works.

A large HDPE shade cloth membrane was designed to connect to a fixing rail that was cast into the tank wall and a central lifting column was fixed to the tank floor.

The 90% block out shade cloth membrane was tensioned around the perimeter of the 18 metre tank and a covered opening was provided for ladder access into the tank for maintenance.



## Client:

Environmental Fluid Systems

## Location:

Port Fairy, Victoria

## Date of Completion:

December, 2009

## Product Type:

Tensioned membrane

## Fabric Type:

HDPE – Shade cloth

## Steel Finish:

Hot Dipped Galvanized

## Scope of Works:

Design  
Engineering  
Manufacture  
Project Management  
Install

## Area of Coverage:

255 m<sup>2</sup>

## Function:

Permeable tank cover