

# CASE STUDY

# HELENSVILLE WATER TREATMENT POND DESLUDGING

ENVIROSIEVE DEWATERING TUBES & CIRTEX SILT CURTAIN



CONTRACTOR	Downer EDI Water Limited
CLIENT	Rodney Water
ENGINEER	Downer EDI Water Limited
LOCATION	Helensville
PRODUCTS USED	EnviroSieve Dewatering Tubes, Cirtex Silt Curtain

ADVANCED  
GEOSYNTHETIC  
SOLUTIONS

### PROJECT

Downer EDI Water used a siphon effect to fill the EnviroSieve’s with sludge and pumped the overflow water back up to the pond. Working between two EnviroSieve’s gave time for one to consolidate while the other was filled, without having to decommission the pond.

Also used on this project was a Cirtex Silt Curtain. Constructed in house to project specific measurements, the Silt Curtain has a flotation pontoon at the top, enclosed in a canvas sleeve and an anchor weight at the pond floor, with a non woven geotextile between for effective filtration of sediments. This contains the contaminated water within the working area and therefore meets environmental consent requirements.

EnviroSieve’s were chosen as an effective dewatering option for this water treatment pond in Helensville. EnviroSieve’s are constructed with a unique high flow woven geotextile.

