

Z-Filter

Environmental Solutions

Application Summary: Tunnelling construction sludge de-watering

Date:

August 2015 – ongoing.

Location:

Sydney, Australia.

Equipment:

- Z-Filter turn-key flat-rack.
- Complete polymer dosing system.
- System operator.

Technical data

| | Feed from settling pond |
|----------------------------|-------------------------|
| Filter cake (total solids) | 30.28% |
| Filtrate (total solids) | 0.16% |
| Feed (total solids) | 8.44% |

Services provided:

Z-Filter was engaged to carry out tunnelling sludge de-watering at site. Z-Filter surpassed client expectations by being able to provide a dry solids cake of up to 40% and a clear filtrate. Z-Filter's services allowed the client's sludge pit levels to be managed on a continual basis. This in turn solved a significant environmental and waste management challenge for the client. Being able to consolidate and de-water the sludge meant a massive reduction in vacuum truck and ultimate sludge disposal costs.

