

THE AUSTRALIAN BOOM & BAFFLE CO

MENTANZA PTY LTD ABN:59 071 127 798

Contaminated Sediment Control Homebush Bay, Sydney

PRODUCT SUMMARY

- 255m heavy duty contaminated material curtain
- Combination geotex 1751 and reinforced membrane skirt
- 4m deep skirt
- 13mm ballast chain to seal to sea bed

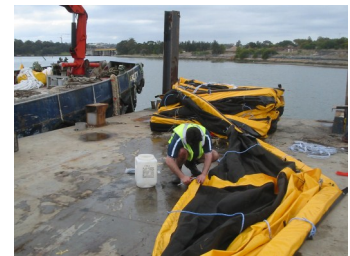
CLIENTS

Prime Contractor:

Theiss Services Pty Ltd

THE AUSTRALIAN BOOM & BAFFLE CO

Factory: 4/ 2-4 Hale St
Botany NSW Australia 2019
Phone: 02 9666 5197
Mobile: 0411264195
Email: calsop@mentanzapl.com
Web: www.mentanzapl.com



In mid 2005 Theiss Services Pty Ltd commenced remediation of the former Lednez site on the north eastern shore of Homebush Bay.

To ensure that positive containment was maintained during the entire operation two curtains were installed, both curtains were contoured to the bottom profile:

- The first curtain was installed against the wharf structure
- The second curtain was moored 20m off the wharf
- Floating plant engaged in the demolition worked in the area between the two curtains.

Whilst the deployment area was relatively calm it was often exposed to strong westerly winds, strong tidal flows and frequent passing by high speed ferries this required a robust construction.

In this application a 60kN woven fibrillated fibre polypropylene fabric was used for the skirt. In selecting the skirt fabric an important consideration was the prevention of sediment blinding during the deployment period. (Alternatively a non woven skirt whilst having an initial higher flow rate tends to blind with sediment and marine growth and reduce in effectiveness over the deployment duration). Additionally the woven skirt retains minimal sediment and facilitates low level contamination spread during removal on project completion.

This skirt was used with AB&BCo type II (enclosed water) float and ballast assemblies. The project duration was 6-9 months, product maintenance required during project nil.