

## 2000 ACE Package goes underground down under

Haigh are delighted to announce the successful completion of an innovative underground Screenings Handling Installation for Sydney Water at their North Head sewage treatment plant in Australia, processing sewage for a population of 1.2m.

Originally awarded the contract in 2007, Haigh have been working on the plant situated on the north shore of Sydney Harbour for the last two years, during which time the treatment plant has seen a \$100M+ upgrade with grit removal, screenings handling and many other areas having been completely refurbished.

Of special interest is the fact that the treatment plant is situated 60m below ground in a chamber cut out of the natural rock and is approximately 100m long and 6m high. The Main sewer pipe enters the plant another 100m below this chamber and is pumped up into the inlet channel just below the chamber.

This presented certain challenges for the Haigh team as the chamber had very tight space restrictions. As such a bespoke design was generated based on the popular Haigh Ace 2000 Package delivering a wide range of performance criteria and benefits including:

- Increased redundancy within the screenings handling system
  - 95% volume reduction
- Very low odour level
- Improved dryness of end product
- Improved reliability of plant

The ACE Package's high degree of flexibility enables it to be fitted into the existing challenging footprint.

The final phase of the installation took place in August 09 with Haigh in association with Project Waste Water commissioning the whole system in Sept 09. The equipment successfully passed all process proving testing in Oct 09 and is now being operated and maintained by Sydney Water.

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