

# Water Quality Fact Sheet

Barangaroo South

Lend Lease is committed to ensuring that the environment is protected during both construction and the future operation of the Barangaroo South precinct. As the Barangaroo South site is located along the eastern shore of Darling Harbour, ensuring harbour water quality is not adversely impacted is a key priority for the project.

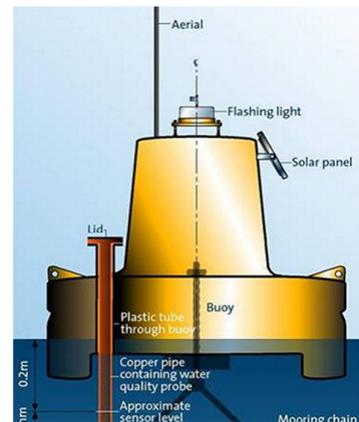
Operating under an Environment Protection Licence from the Environment Protection Authority (EPA), Lend Lease implement comprehensive water quality mitigation measures on site, as well as a water quality monitoring program, to ensure the harbour aquatic ecosystem is protected at all times.

## Water Quality Monitoring

Three water quality monitoring stations are situated within the harbour as part of the monitoring program for the project. Buoys at each station house the latest in technology and allow water quality to be continuously monitored on a 24 hour basis. Equipment in the buoys are remotely monitored and can be controlled from an on shore location.

Monitoring is carried out for:

- Turbidity (the cloudiness of the water)
- pH
- temperature
- electrical conductivity (the salinity of the water)



Water quality monitoring buoy profile

## Water Treatment Plant

Barangaroo South is home to the largest mobile water treatment plant in Australia. This plant can treat water at a rate of up to 90 litres per second, and is made up of three separate 'trains' which can operate independently or together as one, depending on the amount of water to be treated.

The water treatment plant operates continuously 24 hours a day, treating stormwater collected within the site and groundwater extracted from excavations. All treated water is required to meet stringent limits specified in the Environment Protection Licence from the EPA.



Water treatment plant at Barangaroo South

The results of harbour water quality monitoring and performance of the water treatment plant are displayed on our project website and updated on a monthly basis. To view these results, please visit [www.barangaroosouth.com.au](http://www.barangaroosouth.com.au) and click on the 'Community' tab.

