



April 2016 Water Quality Summary Report

Barangaroo South – Remediation Works

Licence Number: 13336

Licensee: Barangaroo Delivery Authority

Licensee Address: Level 21, 201 Kent Street, Sydney

Sampling period: 23 March to 30 April 2016

Date provided to Licensee: 24 May 2016

Date published: 30 May 2015

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Barangaroo South – Hickson Road Remediation Trial

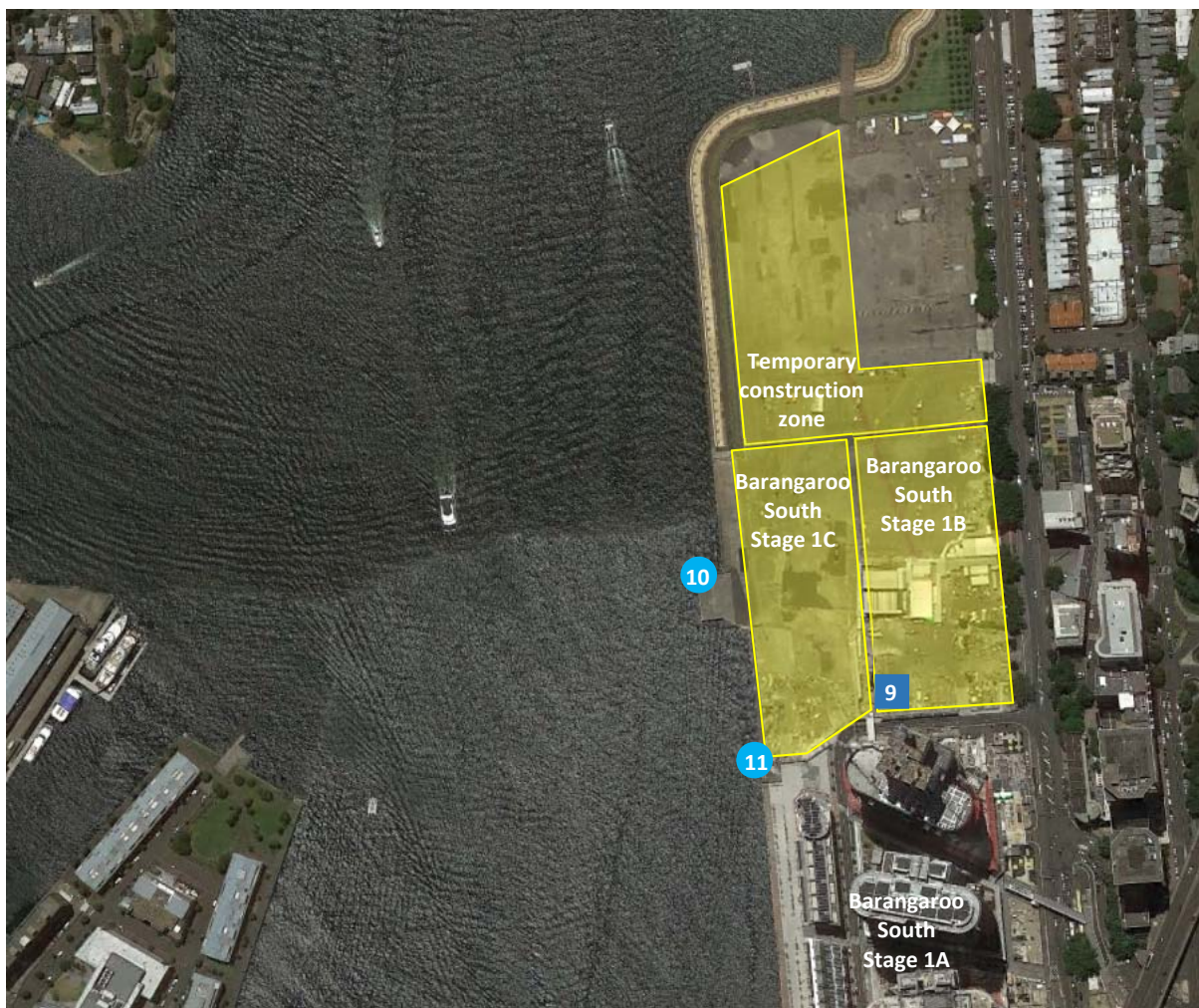
This report has been compiled to summarise results of water quality monitoring at Barangaroo South in April 2016 in accordance with [EPL number 13336](#). This data is for samples taken from 1 to 30 April 2016. The data was provided to the Barangaroo Delivery Authority (the Licencee) on 24 May 2016.

Lend Lease conducts water quality monitoring at Barangaroo South to measure water quality and assist the construction team implement appropriate environmental controls on site.

Water quality monitoring is carried out in accordance with all relevant authority and statutory requirements. Ambient monitoring in Darling Harbour measures conductivity, pH, temperature and turbidity.

Water quality monitoring locations

Water quality monitoring locations are located as shown below:



Approximate location of water quality monitoring equipment

Legend

- Ambient Water Quality Monitoring Location
- X WTP Water Discharge Point
- X EPL point number

EPL point 10 is the Nearfield 1 (NF1) location, and EPL point 11 is the Nearfield 1 (NF2) location. EPL point 9 was not used during April 2016.

Environment Protection Licence number: 13336

Licencee: Barangaroo Delivery Authority, Level 21, AON/Maritime Trade Towers, 201 Kent Street, Sydney, 2000

These results have been made available in accordance with Environment Protection Authority requirements for publishing pollution monitoring data



Monitoring results

During April 2016, there were no exceedances of water quality criteria for ambient monitoring in Darling Harbour.

Turbidity

Monitoring Parameter	EPL Point 10 (NTU)	EPL Point 11 (NTU)
Minimum	0.0	0.7
Maximum	19.6	17.0
Mean	2.5	1.7
Limit	63	63

Conductivity

Monitoring Parameter	EPL Point 10 (mS/cm)	EPL Point 11 (mS/cm)
Minimum	51.8	49.4
Maximum	53.4	53.8
Mean	52.9	52.7
Limit	No licence limit, monitoring requirement only	

pH

Monitoring Parameter	EPL Point 10	EPL Point 11
Minimum	7.99	7.97
Maximum	8.42	8.27
Mean	8.09	8.08
Limit	No licence limit, monitoring requirement only	

Temperature

Monitoring Parameter	EPL Point 10 (°C)	EPL Point 11 (°C)
Minimum	21.42	21.45
Maximum	23.74	23.77
Mean	22.37	22.39
Limit	No licence limit, monitoring requirement only	

Frequency

Monitoring Parameter	EPL Point 10 (NF1)	EPL Point 11 (NF2)
Monitoring frequency required by licence	Every 15 minutes	
NTU Samples Collected & Analysed *	85.6%	85.0%
pH Samples Collected & Analysed *	91.4%	92.8%
Conductivity Samples Collected & Analysed *	21.9%	92.7%
Temperature Samples Collected & Analysed *	91.4%	99.9%

* Based on the percentage of data recovery for the period 23/3/16 to 30/4/16