

September 2014 Water Quality Summary Report

Licence Number: 13336

Licensee: Barangaroo Delivery Authority

Licensee Address: Lvl 21, 201 Kent Street, Sydney

Sampling period: 1-30 September 2014

Date provided to Licensee: 23 October 2014

Date published: 27 October 2014

September 2014 Water Quality Summary Report

Barangaroo South

This report has been compiled to summarise results of water quality monitoring at Barangaroo South during September 2014 in accordance with [EPL number 13336](#). This data is for samples taken from 1 to 30 September 2014. The data was provided to the Barangaroo Delivery Authority (the Licencee) on 23 October 2014.

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.

Location of water quality monitors

Ambient water quality monitoring devices are positioned at three locations within Darling Harbour as shown below. The location of the water treatment plant discharge point is adjacent to the Nearfield 1 location.



Approximate locations of water monitoring equipment

These locations correspond to the following licenced monitoring locations:

Water Discharge Point 1: EPL Point 1 (Monitoring ceased)

Nearfield 1: EPL Point 2

Nearfield 2: EPL Point 3

Background: EPL Point 4

Monitoring results

During September 2014, there were no exceedances of water quality criteria for ambient monitoring in Darling Harbour.

Turbidity

Monitoring Parameter	EPL Point 2 (NTU)	EPL Point 3 (NTU)	EPL Point 4 (NTU)
Minimum	1.3	1.2	1.1
Maximum	10.1	15.0	19.8
Mean	1.9	1.7	2.5
Limit	No licence limit, monitoring requirement only		
Number of Exceedences	N/A	N/A	N/A

Conductivity

Monitoring Parameter	EPL Point 2 (mS/cm)	EPL Point 3 (mS/cm)	EPL Point 4 (mS/cm)
Minimum	43.0	28.5	42.4
Maximum	52.3	52.7	52.9
Mean	50.4	50.2	50.7
Limit	No licence limit, monitoring requirement only		
Number of Exceedences	N/A	N/A	N/A

pH

Monitoring Parameter	EPL Point 2	EPL Point 3	EPL Point 4
Minimum	7.67	7.70	7.42
Maximum	8.11	8.25	8.08
Mean	7.96	7.98	7.87
Limit	No licence limit, monitoring requirement only		
Number of Exceedences	N/A	N/A	N/A

Temperature

Monitoring Parameter	EPL Point 2 (°C)	EPL Point 3 (°C)	EPL Point 4 (°C)
Minimum	14.97	14.09	15.13
Maximum	19.39	19.65	19.13
Mean	17.26	17.24	17.27
Limit	No licence limit, monitoring requirement only		
Number of Exceedences	N/A	N/A	N/A

Frequency

Monitoring Parameter	EPL Point 2	EPL Point 3	EPL Point 4
Monitoring frequency required by licence	Every 15 minutes		
NTU Samples Collected & Analysed *	99.5%	99.6%	99.4%
pH Samples Collected & Analysed *	99.5%	99.6%	99.6%
Conductivity Samples Collected & Analysed *	99.3%	99.6%	99.6%
Temperature Samples Collected & Analysed *	99.5%	99.6%	99.6%

* Based on the percentage of data recovery for the month

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