



March 2016 Air Quality Summary Report

Barangaroo South – Hickson Road Remediation Trial

Licence Number: 13336

Licensee: Barangaroo Delivery Authority

Licensee Address: Lvl 21, 201 Kent Street, Sydney

Sampling period: 1-31 March 2016

Date provided to Licensee: 21 April 2016

Date published: 4 May 2016

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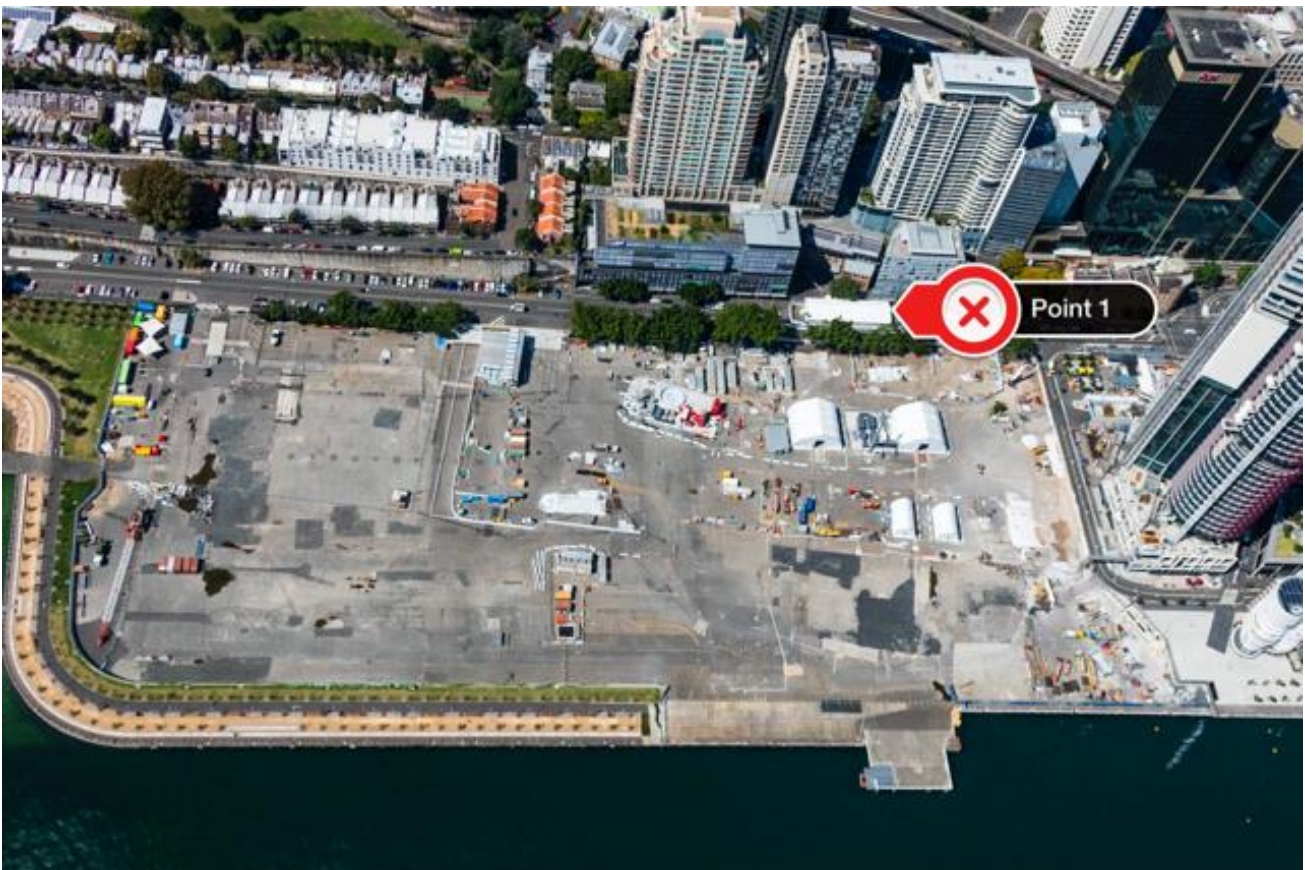
Barangaroo South – Hickson Road Remediation Trial

This report has been compiled to summarise results of air quality monitoring at Barangaroo South – Hickson Road Remediation Trial in March 2016 in accordance with [EPL number 13336](#). This data is for samples taken from 23 to 31 March 2016. The data was provided to the Barangaroo Delivery Authority (the Licencee) on 21 April 2016.

Lend Lease conducts continuous air quality monitoring at Barangaroo South to measure air quality. Air quality monitoring is carried out in accordance with all relevant authority and statutory requirements. Monitoring parameters include Volatile Organic Compounds (VOCs).

Location of ambient air quality monitors

The Continuous Emission's Monitoring System (CEMS) is located within the Hickson Road Remediation Trial Overhead Enclosure at a single location (Point 1) as shown below:



Approximate location of air monitoring equipment

Monitoring results

During March 2016 remediation trial activities were undertaken in accordance with relevant management plans with specific controls implemented during this reporting period which included:

- Deodorising and Foaming unit to suppress odours
- Sealed vacuum unit with activated carbon filters
- Operation of Multi-phase extraction (MPE) units and the Soil Vapour Extraction (SVE) units to control vapours
- Sealed liquid extraction units
- Granulated Activated Carbon filter system



Volatile Organic Compounds (VOCs) – Hickson Road Trial discharge

Monitoring Parameter	EPL Point 1 1 hour average (mg/m ³)
Average (ppm)	1.755
Minimum (ppm)	0.0
Maximum (ppm)	
Limit	10 mg/m³ (5.1ppm)

Frequency

Parameter	Frequency	EPL Point 1
VOCs as n-propane equivalent	Monitoring frequency required by licence	Continuous*
	No. of samples required by licence	
	No. of samples collected & analysed	

* The CEMs was operational between 23/03/16 and the 31/03/16.