

## **Bass Point Quarry Air Quality Monitoring Data**

Reporting Month: August 2014

Licensee Address: Bass Point Tourist Rd, Bass Point NSW 2529

EPL No: 2193

Project Approval: Ref 08\_0143, January 28, 2014

## **Qualifications related to the Air Quality Management Plan**

As per the EPL, Project Approval and Air Quality Management Plan, the quarry is required to report on the following:

### *Particulate Matter*

The quarry will gather representative data and compare the results against the following tables:

*Table 4: Long-Term Impact Assessment Criteria for Particulate Matter*

<i>Pollutant</i>	<i>Averaging period</i>	<i><sup>d</sup> Criterion</i>
Total suspended particulates (TSP)	Annual	<sup>a</sup> 90 µg/m <sup>3</sup>
Particulate matter < 10 µm (PM <sub>10</sub> )	Annual	<sup>a</sup> 30 µg/m <sup>3</sup>

*Table 5: Short Term Impact Assessment Criteria for Particulate Matter*

<i>Pollutant</i>	<i>Averaging period</i>	<i><sup>d</sup> Criterion</i>
Particulate matter < 10 µm (PM <sub>10</sub> )	24 hour	<sup>a</sup> 50 µg/m <sup>3</sup>

### *Dust Deposition Gauges*

The quarry monitors two Dust Deposition Gauges (DDG's) and compares the results against the following table:

*Table 6: Long-Term Impact Assessment Criteria for Deposited Dust*

<i>Pollutant</i>	<i>Averaging period</i>	<i>Maximum increase in deposited dust level</i>	<i>Maximum total deposited dust level</i>
<sup>c</sup> Deposited dust	Annual	<sup>b</sup> 2 g/m <sup>2</sup> /month	<sup>a</sup> 4 g/m <sup>2</sup> /month

### *Representative Weather Data*

The quarry will gather representative weather data for the respective month including temperature, rainfall, wind speed and direction.

## **Results**

### *Particulate Matter*

#### *Short Term Impact Assessment*

<b>Date</b>	<b>PM10 24h average [µg/m<sup>3</sup>]</b>
01/08/2014	13.3
02/08/2014	13.2
03/08/2014	13.6
04/08/2014	16.1
05/08/2014	18.9
06/08/2014	10.2
07/08/2014	15
08/08/2014	17.5
09/08/2014	21.7
10/08/2014	12.8
11/08/2014	12.8
12/08/2014	12.6
13/08/2014	10.1
14/08/2014	10.5
15/08/2014	12.7
16/08/2014	8.8
17/08/2014	8.6
18/08/2014	10.8
19/08/2014	15.4
20/08/2014	11.1
21/08/2014	9.1
22/08/2014	6.8
23/08/2014	7.5
24/08/2014	8.6
25/08/2014	11.2
26/08/2014	13
27/08/2014	14
28/08/2014	12
29/08/2014	10.8
30/08/2014	9.1
31/08/2014	9.4

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(g/m<sup>2</sup>/month)</b>	<b>Comment</b>
DDG 1	2.8	Results likely affected by the marina works
DDG 2	9.2	Results likely affected by the marina works

