

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

Reporting Month: September 2015

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 [<math>\mu\text{g}/\text{m}^3</math>]</b>
01/09/2015	12.2
02/09/2015	13.9
03/09/2015	7.3
04/09/2015	15
05/09/2015	12.3
06/09/2015	9.9
07/09/2015	7.9
08/09/2015	5.8
09/09/2015	7.9
10/09/2015	8.9
11/09/2015	12.2
12/09/2015	12.9
13/09/2015	13.7
14/09/2015	20.5
15/09/2015	13.7
16/09/2015	22.2
17/09/2015	12
18/09/2015	9.5
19/09/2015	9.2
20/09/2015	10.1
21/09/2015	11.3
22/09/2015	9.6
23/09/2015	9.9
24/09/2015	8.4
25/09/2015	9.4
26/09/2015	6.5
27/09/2015	9.8
28/09/2015	11.8
29/09/2015	19.4
30/09/2015	19.5

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(g/m<sup>2</sup>/month)</b>	<b>Comment</b>
DDG 1	3.9	Results likely affected by the marina works
DDG 2	1.9	Results likely affected by the marina works

