

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

Reporting Month: April 2017

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>
01/04/2017	12.3
02/04/2017	14.7
03/04/2017	6.3
04/04/2017	8.5
05/04/2017	9.8
06/04/2017	10.2
07/04/2017	9.6
08/04/2017	10.1
09/04/2017	12.4
10/04/2017	15.7
11/04/2017	9
12/04/2017	7.1
13/04/2017	9.8
14/04/2017	11.6
15/04/2017	16
16/04/2017	15.6
17/04/2017	16
18/04/2017	16.6
19/04/2017	11.1
20/04/2017	7.7
21/04/2017	11.4
22/04/2017	10.9
23/04/2017	14
24/04/2017	14.6
25/04/2017	14.2
26/04/2017	5.1
27/04/2017	8.8
28/04/2017	10.2
29/04/2017	11.3
30/04/2017	10.6

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(<math>\text{g}/\text{m}^2/\text{month}</math>)</b>	<b>Comment</b>
DDG 1	2.1	
DDG 2	4.2	

