

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

Reporting Month: November 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>
01/11/2017	17.1
02/11/2017	20.3
03/11/2017	17.9
04/11/2017	15.6
05/11/2017	13.8
06/11/2017	4.6
07/11/2017	11.6
08/11/2017	13.1
09/11/2017	12
10/11/2017	11.5
11/11/2017	9.9
12/11/2017	11.5
13/11/2017	10.9
14/11/2017	11.2
15/11/2017	12.1
16/11/2017	12.2
17/11/2017	12.7
18/11/2017	15.1
19/11/2017	12.5
20/11/2017	13.1
21/11/2017	12.5
22/11/2017	12.9
23/11/2017	13
24/11/2017	20.1
25/11/2017	12.8
26/11/2017	13.3
27/11/2017	13.7
28/11/2017	15.8
29/11/2017	11.1
30/11/2017	12.3

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(<math>\text{g}/\text{m}^2/\text{month}</math>)</b>	<b>Comment</b>
DDG 1	2.7	
DDG 2	1.8	

