

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

Reporting Month: January 2018

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>
01/01/2018	18.1
02/01/2018	14.8
03/01/2018	14.1
04/01/2018	19.2
05/01/2018	18.1
06/01/2018	27
07/01/2018	27.8
08/01/2018	33.1
09/01/2018	10.3
10/01/2018	16.4
11/01/2018	20.1
12/01/2018	25.3
13/01/2018	16.3
14/01/2018	8.9
15/01/2018	13.4
16/01/2018	24.1
17/01/2018	19.5
18/01/2018	21.1
19/01/2018	28.2
20/01/2018	20.2
21/01/2018	33.5
22/01/2018	42.6
23/01/2018	37.8
24/01/2018	25.3
25/01/2018	18.2
26/01/2018	13.8
27/01/2018	12.6
28/01/2018	17.9
29/01/2018	21.9
30/01/2018	21.7
31/01/2018	14.5

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(g/m<sup>2</sup>/month)</b>	<b>Comment</b>
DDG 1	3	
DDG 2	6.8	

