

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

Reporting Month: July 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>
01/07/2018	7.6
02/07/2018	7.9
03/07/2018	9.3
04/07/2018	11.7
05/07/2018	13.4
06/07/2018	9.2
07/07/2018	9.9
08/07/2018	7.1
09/07/2018	9.0
10/07/2018	13.9
11/07/2018	13.1
12/07/2018	11.3
13/07/2018	7.8
14/07/2018	9.7
15/07/2018	9.2
16/07/2018	9.3
17/07/2018	13.2
18/07/2018	39.6
19/07/2018	44.6
20/07/2018	16.9
21/07/2018	10.9
22/07/2018	12.3
23/07/2018	19.0
24/07/2018	20.5
25/07/2018	14.6
26/07/2018	21.0
27/07/2018	14.0
28/07/2018	40.4
29/07/2018	17.2
30/07/2018	9.1
31/07/2018	14.9

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(g/m<sup>2</sup>/month)</b>	<b>Comment</b>
DDG 1	1.0	
DDG 2	3.3	

