

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

Reporting Month: October 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>
01/10/2018	11.0
02/10/2018	13.4
03/10/2018	14.3
04/10/2018	5.4
05/10/2018	12.8
06/10/2018	14.1
07/10/2018	5.7
08/10/2018	8.3
09/10/2018	16.3
10/10/2018	14.3
11/10/2018	10.3
12/10/2018	7.8
13/10/2018	12.2
14/10/2018	18.1
15/10/2018	13.2
16/10/2018	19.4
17/10/2018	16.1
18/10/2018	15.0
19/10/2018	25.3
20/10/2018	31.3
21/10/2018	11.7
22/10/2018	18.8
23/10/2018	30.4
24/10/2018	21.5
25/10/2018	18.0
26/10/2018	21.2
27/10/2018	23.4
28/10/2018	16.4
29/10/2018	19.6
30/10/2018	33.0
31/10/2018	30.4

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(g/m<sup>2</sup>/month)</b>	<b>Comment</b>
DDG 1	1.5	
DDG 2	5.4	

