

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

Reporting Month: February 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>
01/02/2018	11.8
02/02/2018	10.3
03/02/2018	9.3
04/02/2018	6.3
05/02/2018	9.8
06/02/2018	9.1
07/02/2018	9.8
08/02/2018	23.1
09/02/2018	27.5
10/02/2018	18.3
11/02/2018	22
12/02/2018	22.6
13/02/2018	17.3
14/02/2018	38.2
15/02/2018	46.6
16/02/2018	30.6
17/02/2018	22.3
18/02/2018	25
19/02/2018	17.4
20/02/2018	13.1
21/02/2018	13
22/02/2018	14.9
23/02/2018	19.3
24/02/2018	30.7
25/02/2018	5.3
26/02/2018	12.6
27/02/2018	13.5
28/02/2018	26.7

### *Dust Deposition Gauges*

<b>Location</b>	<b>Result(<math>\text{g}/\text{m}^2/\text{month}</math>)</b>	<b>Comment</b>
DDG 1	1.4	
DDG 2	8.2	

