

Dixon Sand Quarry Hearses Rd and intersection of Wisemans Ferry Rd
Maroota NSW 2756

TEOM PM10 Monitoring Data
EPL 12513 Point 1

Sampling Frequency Monthly summary
Date Sampled Continuous (15min)

Results Obtained 21/02/2020
Results Published 21/02/2020

Point 1	24 Hour PM ₁₀ (ug/m ³)	Annual PM ₁₀ Average (ug/m ³)	EPA Short Term Impact Assessment	EPA Long Term Impact Assessment	24 hour PM ₁₀ EPL Criteria Value	Requirement Met	Notes
			Annual PM10 Ave EPL Ave Criteria	24 hour PM10 Ave NEPM Criteria			
1/01/2020	44.1	25.8	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
2/01/2020	31.2	25.9	30	50	42	Yes	
3/01/2020	38.4	25.9	30	50	42	Yes	
4/01/2020	49.4	26.1	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
5/01/2020	71.9	26.3	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
6/01/2020	35.1	26.4	30	50	42	Yes	
7/01/2020	22.2	26.4	30	50	42	Yes	
8/01/2020	62.2	26.6	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
9/01/2020	33.2	26.6	30	50	42	Yes	
10/01/2020	31.6	26.6	30	50	42	Yes	
11/01/2020	50.6	26.8	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
12/01/2020	52.1	26.9	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
13/01/2020	35.8	26.9	30	50	42	Yes	
14/01/2020	20.4	26.9	30	50	42	Yes	
15/01/2020	16.3	26.9	30	50	42	Yes	
16/01/2020	21.5	26.8	30	50	42	Yes	
17/01/2020	33.4	26.9	30	50	42	Yes	
18/01/2020	24.6	26.8	30	50	42	Yes	
19/01/2020	15.1	26.8	30	50	42	Yes	
20/01/2020	15.8	26.7	30	50	42	Yes	
21/01/2020	28.3	26.7	30	50	42	Yes	
22/01/2020	32.0	26.8	30	50	42	Yes	
23/01/2020	151.8	27.4	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
24/01/2020	80.5	27.7	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
25/01/2020	49.5	27.8	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
26/01/2020	25.2	27.8	30	50	42	Yes	
27/01/2020	45.4	27.9	30	50	42	No	Exceedance attributed to poor air quality from NSW bushfires
28/01/2020	Invalid Data	27.9	30	50	42		Data was deemed valid due bushfire smoke causing bypass coalescing filter and TEOM mass transducer to block, plus excessive filter loading.
29/01/2020	Invalid Data	27.9	30	50	42		
30/01/2020	Invalid Data	27.9	30	50	42		
31/01/2020	Invalid Data	27.9	30	50	42		

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Static Dust
 EPL 12513 Point 3

Number of Days: 28
 Date On: 13/12/2019
 Date Off: 10/01/2020
 Time Sampled: 9:39 AM
 Sampled by: TW (VGT)

Results Obtained 17/01/2020
 Results Published 20/01/2020

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Dc]bh'	9.4	6.4	4.0	No	<p>High monthly and annual average dust deposition were recorded at Monitoring Point 3 between the monitoring period of 13 Dec 2019 to 10 Jan 2020. The monthly Total Insoluble Solids = 9.4g/m2/mth comprising 6.0g of Ash content and 3.4 g of Combustible Matter.</p> <p>No extraction was undertaken during the monitoring period. Vegetation clearing in Cell 1A commenced in December however this location is more than one kilometre from the dust gauge. Field observation indicated the presence of dust, ash, vegetation and algae in the dust gauge. It must be noted that almost half of the dust gauges which make up Dixon Sand's dust deposition monitoring system (for both Haerses Road and Old Northern Road quarries) were observed to contain visible ash, dust and returned higher dust deposition results than under normal circumstance. This is likely to be attributed to the on-going bushfires in the Greater Sydney and NSW regions, coinciding with high PM10 readings in December and January.</p>