

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 16/12/2019
Results Published 5/01/2020

Point 1	24 Hour PM ₁₀ (ug/m ³)	Annual PM ₁₀ Average (ug/m ³)	EPA Short Term	EPA Long Term	24 hour PM ₁₀	Requirement	Notes
			Impact Assessment	Impact Assessment			
Nov-19			Annual PM10 Ave	24 hour PM10 Ave	EPL Criteria Value	Met	
1/11/2019	43.9	15.8	30	50	42	Yes	
2/11/2019	39.0	16.0	30	50	42	Yes	
3/11/2019	36.2	16.2	30	50	42	Yes	
4/11/2019	7.9	16.1	30	50	42	Yes	
5/11/2019	12.4	16.1	30	50	42	Yes	
6/11/2019	10.5	16.0	30	50	42	Yes	
7/11/2019	60.7	16.4	30	50	42	Yes	Exceedance attributed to bushfire at Gospers Mountain (Wollemi National Park) and a large number of fires in the Greater Sydney Region, Mid-North and North coast of NSW
8/11/2019	85.8	16.9	30	50	42	Yes	Exceedance attributed to bushfire at Gospers Mountain (Wollemi National Park) and a large number of fires in the Greater Sydney Region, Mid-North and North coast of NSW
9/11/2019	7.4	16.8	30	50	42	Yes	
10/11/2019	12.3	16.8	30	50	42	Yes	
11/11/2019	39.8	17.0	30	50	42	Yes	
12/11/2019	118.1	17.7	30	50	42	Yes	Exceedance attributed to bushfire at Gospers Mountain (Wollemi National Park) and a large number of fires in the Greater Sydney Region, Mid-North and North coast of NSW
13/11/2019	23.8	17.8	30	50	42	Yes	
14/11/2019	45.5	18.0	30	50	42	Yes	
15/11/2019	97.1	18.5	30	50	42	Yes	Exceedance attributed to bushfire at Gospers Mountain (Wollemi National Park) and a large number of fires in the Greater Sydney Region, Mid-North and North coast of NSW
16/11/2019	31.6	18.6	30	50	42	Yes	
17/11/2019	30.6	18.7	30	50	42	Yes	
18/11/2019	55.4	19.0	30	50	42	Yes	Exceedance attributed to bushfire at Gospers Mountain (Wollemi National Park) and a large number of fires in the Greater Sydney Region, Mid-North and North coast of NSW
19/11/2019	Invalid Data	19.0	30	50	42		Excessive filter loading and reduced flow capacity of TEOM Monitor
20/11/2019	Invalid Data	19.0	30	50	42		
21/11/2019	Invalid Data	19.0	30	50	42		
22/11/2019	Invalid Data	19.0	30	50	42		
23/11/2019	Invalid Data	19.0	30	50	42		
24/11/2019	Invalid Data	19.0	30	50	42		
25/11/2019	Invalid Data	19.0	30	50	42		
26/11/2019	Invalid Data	19.0	30	50	42		
27/11/2019	Invalid Data	19.0	30	50	42		
28/11/2019	Invalid Data	19.0	30	50	42		
29/11/2019	Invalid Data	19.0	30	50	42		
30/11/2019	151.8	19.9	30	50	42		Exceedance attributed to bushfire at Gospers Mountain (Wollemi National Park) and a large number of fires in the Greater Sydney Region, Mid-North and North coast of NSW

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 o TW (VGT)

Nov-19	Deposited Dust g/m2/mth	Annual Average (Jul19 - Jun20) g/m2/mth	Annual Average Limit g/m2/mth	Requirement Met	Notes
Point 3	8.5	5.9	4.0	No	<p>Ash content = 4.3g Combustible Matter = 4.2g No extraction was undertaken during the monitoring period. Rehabilitation commenced in Stage 2 west. Field observation indicated the presence of major bird droppings and algae in the dust gauge. The high ash content could potentially be attributed to the bone or mineral content of the bird droppings. The high combustible matter is likely to be attributed to the algae. Dry weather condition was recorded for this monitoring period. Field observation observed active farming activity in dry condition in the adjacent land. The soil in the adjacent plat (North of the dust gage) was observed to have been worked in preparation for summer crop, exposing topsoil and creating high potential wind erosion, contributing to the high monthly dust levels at D10</p>