

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 16/10/2017
Results Published 16/10/2017

Point 1 Sep-17	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			
1/09/2017	11.5	10.7	30	50	42	Yes	
2/09/2017	30.2	11	30	50	42	Yes	
3/09/2017	23.4	11.2	30	50	42	Yes	
4/09/2017	19.0	11.3	30	50	42	Yes	
5/09/2017	21.2	11.5	30	50	42	Yes	
6/09/2017	13.7	11.5	30	50	42	Yes	
7/09/2017	8.6	11.5	30	50	42	Yes	
8/09/2017	8.1	11.4	30	50	42	Yes	
9/09/2017	12.4	11.4	30	50	42	Yes	
10/09/2017	10.8	11.4	30	50	42	Yes	
11/09/2017	22.2	11.6	30	50	42	Yes	
12/09/2017	17.5	11.6	30	50	42	Yes	
13/09/2017	51.1	12.2	30	50	42	No	EPA Self Report Ref C14016-2017: EPL3916 - The rolling 24 hour average PM10 exceeded the 42 ug/m3 criteria (EPL condition M2.4). At 3.24 pm. Dixon Sand management received the TEOM automatic alarm warning the 24 hour average has reached 50.4 ug/m3. Prior to receiving the alarm, 2 dump trucks, 1 dozer and 1 excavator were operating on Lots 1 and 2. Following receipt of the alarm all operations on Lots 1 and 2 ceased immediately and will remain ceased for the remaining of the day. Two water carts have been operating on site constantly today. Dixon's management continued to monitor the PM10 condition prior to recommencing work on Lots 1 and 2. Note that the BOM has issued a warning today for a broad front moving through central and southeastern districts of New South Wales. Hot, dry and gusty west/northwesterly winds are occurring ahead of the front, leading to elevated fire danger. No works on Lots 1 and 2 the following day (14/09/17). The TEOM exceedance was not attributed to Haerses Road quarry operations (EPL12513)
14/09/2017	8.4	12.1	30	50	42	Yes	
15/09/2017	12.2	12.1	30	50	42	Yes	
16/09/2017	14.2	12.1	30	50	42	Yes	
17/09/2017	9.8	12.1	30	50	42	Yes	
18/09/2017	13.5	12.1	30	50	42	Yes	
19/09/2017	16.1	12.2	30	50	42	Yes	
20/09/2017	14.4	12.2	30	50	42	Yes	
21/09/2017	14.9	12.2	30	50	42	Yes	
22/09/2017	20.5	12.3	30	50	42	Yes	
23/09/2017	22.9	12.5	30	50	42	Yes	
24/09/2017	48.6	12.9	30	50	42	No	TEOM exceedance occurred on Sunday. Dixon Sand does not operate its quarry on sundays and therefore the exceedance was not attributed to quarry operations.
25/09/2017	18.6	12.9	30	50	42	Yes	
26/09/2017	15.7	13	30	50	42	Yes	
27/09/2017	21.6	13.1	30	50	42	Yes	
28/09/2017	17.1	13.1	30	50	42	Yes	
29/09/2017	12.9	13.1	30	50	42	Yes	
30/09/2017	14.6	13.1	30	50	42	Yes	

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Static Dust
EPL 12513 Point 3

Number of Days: 28
Date On: 24/08/2017
Date Off: 21/09/2017
Time Sampled: 9:12 AM
Sampled by: TW (VGT)

Results Obtained 27/09/2017
Results Published 27/09/2017

Jul-17	Deposited Dust g/m2/mth	Annual Average (Jul16-Jun17) g/m2/mth	Annual Average Limit g/m2/mth	Requirement Met	Notes
Point 3	12.7	17.2	4.0	No	Stockpiles of mulch located approximately 50 metres from the dust gauge in the neighbouring property. Neighbouring property undertaken earthworks. Minimal quarry activities occurring in Stage 1. Main quarry operations in Stage 2 located approximately 800 metres from the dust gauge. Water cart had been in use. Extremely dry and dusty conditions experienced during this monitoring period. Insects ,bird droppings, algae and dust/sand particles observed were present in the dust gauge.