

Sydney Football Stadium Redevelopment Stage 2 Environmental Monitoring Summary – November 2021

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Date: 4 January 2022**

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1 Vibration Monitoring

1.1 Attended Monitoring

Attended monitoring was not conducted during the reporting period as no high impact activities were conducted

1.1.1 Discussion

Monitoring was not required during reporting period as no high vibration impact activities were undertaken.

2 Noise Monitoring

2.1 Real time monitoring

Real time monitors were located at the following locations

- Kira Childcare
- North East Boundary near Moore Park Road

The adopted criteria are as per the conditions of the Development Consent below:

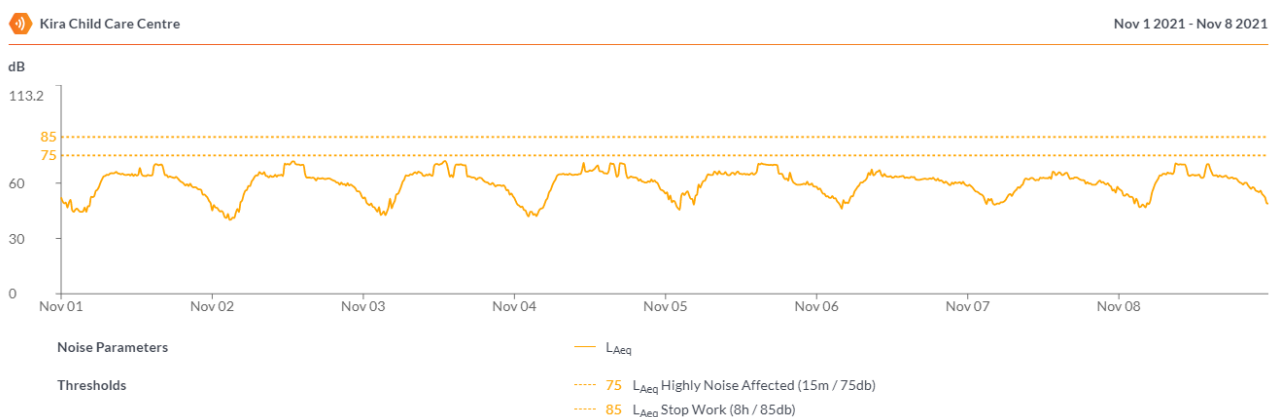
C7. All works that generate noise exceeding 75dB(A) LAeq (15mins) are subject to the intra-day respite periods, as approved by the Planning Secretary in the CNVMP in condition B28

B28e(iv). the following intra-day respite periods (as defined by ICNG) for works exceeding 75dB(A) LAeq(15 mins), unless otherwise agreed with the identified sensitive receivers such as UTS, Kira Child Care Centre and / or Fox Studios and evidence of the agreement provided to the Planning Secretary, prior to the commencement of the works:

- *in continuous blocks not exceeding 3 hours each with one hour of respite every three hours block;*
- *scheduling of works outside of the examination time for educational establishments; and*
- *noise intrusive works commencing after 8am and be undertaken within the approved standard construction hours.*

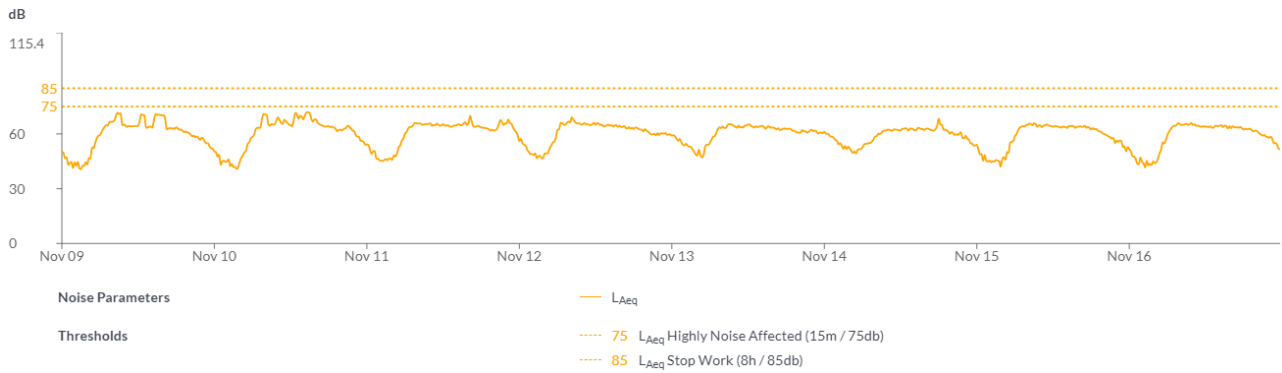
2.1.1 Results

Kira Child Care Centre



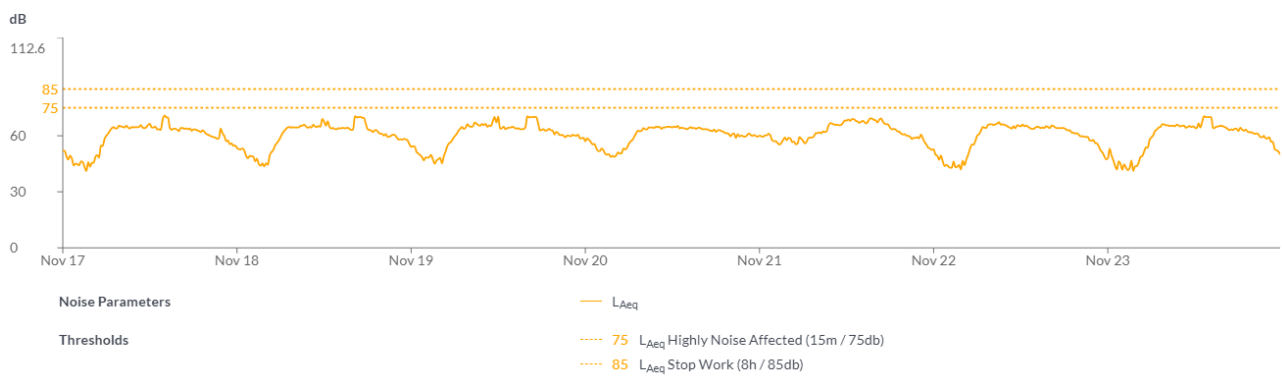
Kira Child Care Centre

Nov 9 2021 - Nov 16 2021



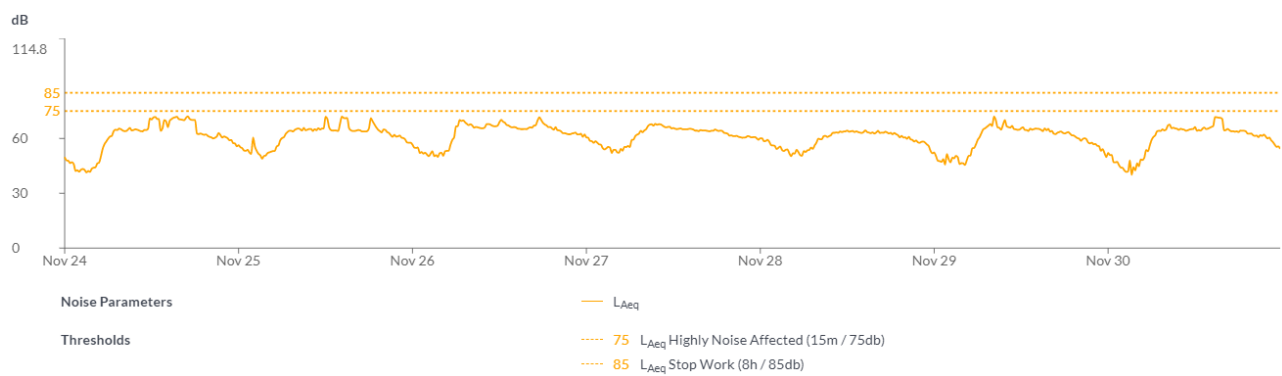
Kira Child Care Centre

Nov 17 2021 - Nov 23 2021



Kira Child Care Centre

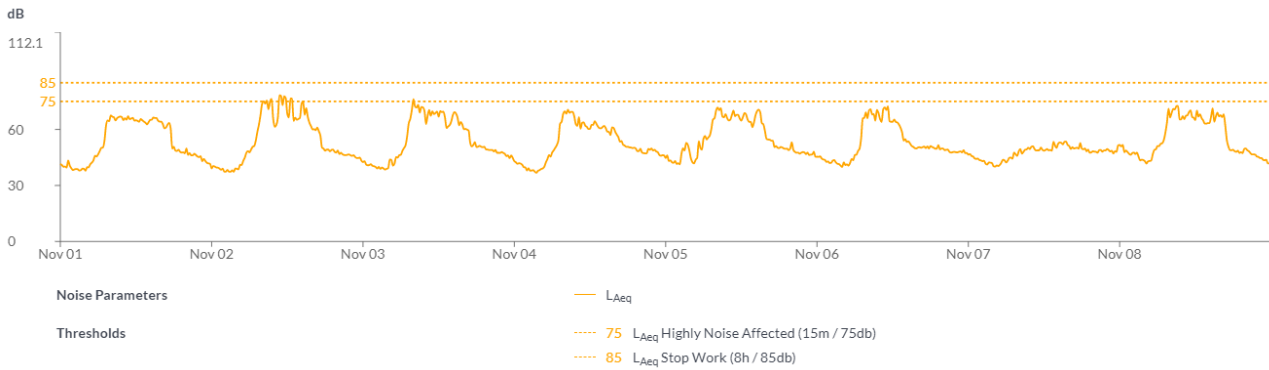
Nov 24 2021 - Nov 30 2021



Moore Park Road

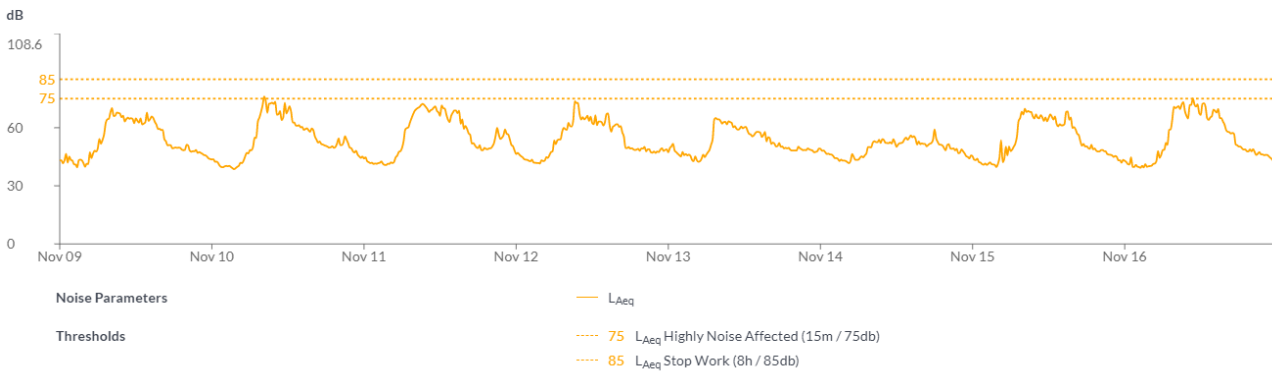
Gatehouse, Moore Park Road

Nov 1 2021 - Nov 8 2021



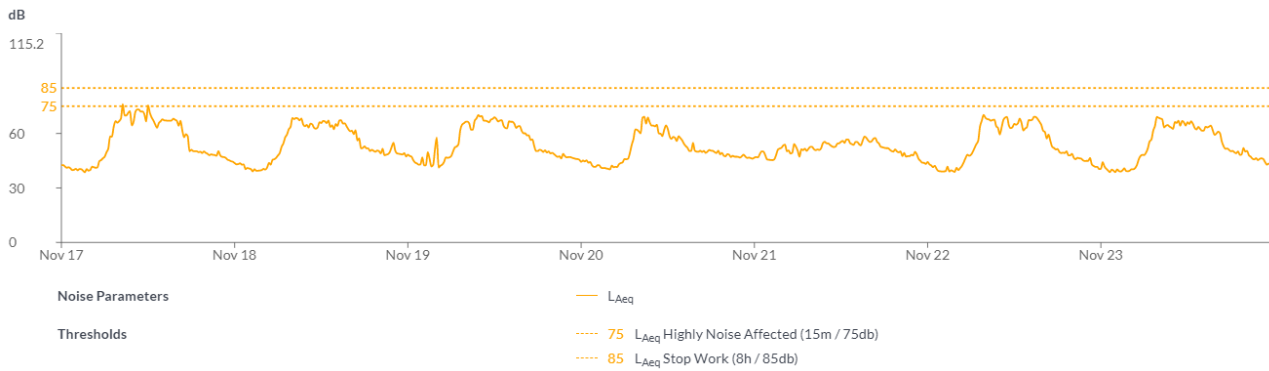
Gatehouse, Moore Park Road

Nov 9 2021 - Nov 16 2021



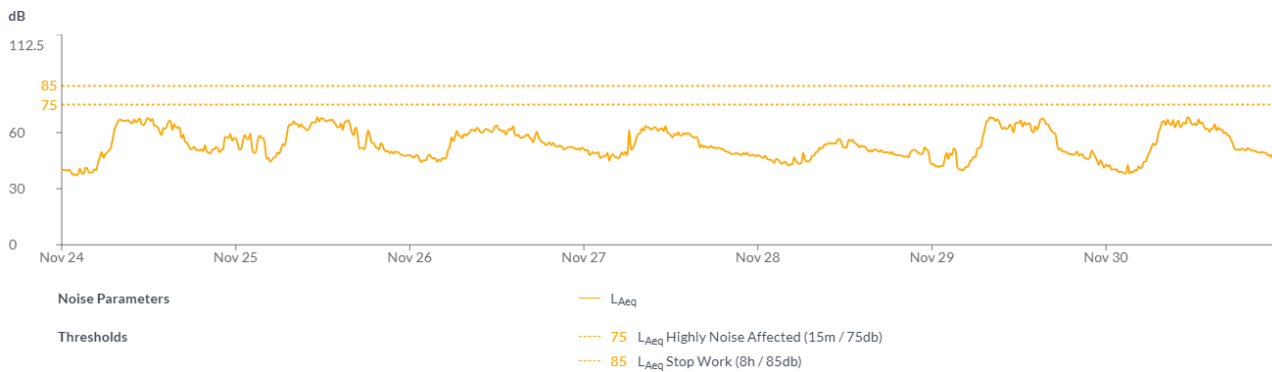
Gatehouse, Moore Park Road

Nov 17 2021 - Nov 23 2021



Gatehouse, Moore Park Road

Nov 24 2021 - Nov 30 2021



2.1.2 Discussion

Works were compliant with the criteria. There were 14 instances exceeding the Highly Noise Affected threshold at Moore park road, most non-consecutive. Upon review of the real time monitors, respite was implemented as per the management plan. The predominant source of noise outside this was due to peak hour traffic.

2.2 Attended Monitoring

Attended monitoring was carried out at 4 locations as below

Date	Time	Location	Predicted Laeq (15)	Result (Laeq)	Activities	Comment
15/11/21	13:22	E5	77	68.5	Excavation works, Crane operations, steel fixing, façade installation	Traffic dominant noise source, construction works are audible.
15/11/21	13:38	CC2	74	70.2	Excavation works, Crane operations, façade installation	Traffic dominant noise source, construction audible
15/11/21	13:55	R6	80	68.2	Excavation works, Tower crane lifting, façade installation	Traffic dominant noise source, construction works are audible
15/11/21	14:20	C1	76	67.1	façade installation, paving	Construction works are audible.

3 Dust Monitoring

3.1 Real Time Monitoring

2 Real time dust monitors are installed on the site

- North eastern boundary near Moore Park Road
- Kira Childcare Centre

The criteria and trigger values are as below:

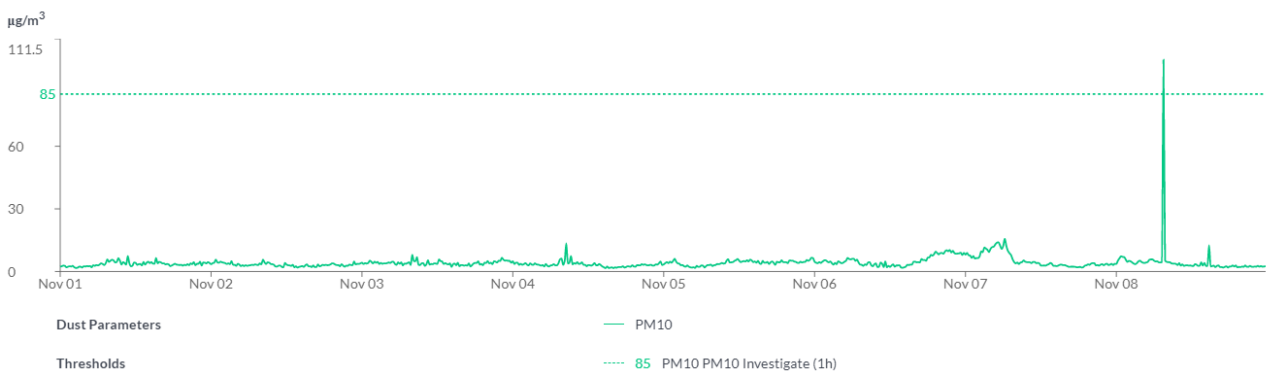
Trigger Stage	Averaging Period	Trigger Value ($\mu\text{g}/\text{m}^3$)	Action Required
1 Investigate	1 hour	85	Site Manager to undertake review of possible dust sources operating during the average period. Identify possible measures for these activities; action if deemed necessary.
	3 hour	80	
2 Action	1 hour	470	Site Manager to attend site and ensure implementation of the control. Effectiveness of control actions to be reviewed and escalate where appropriate.
	3 hour	160	
3 Stop Work	1 hour	940	Targeted shut down of dust-generating activities until the measured pollutant levels are below the stated trigger value. Identify long-term solutions to dust issues.
	3 hour	320	

3.1.1 Results

Moore Park Road

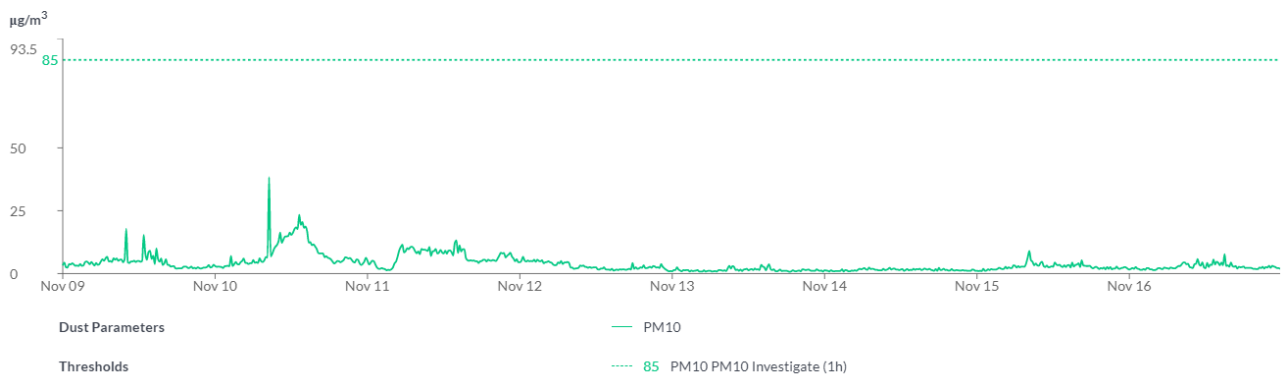
Gatehouse, Moore Park Road

Nov 1 2021 - Nov 8 2021



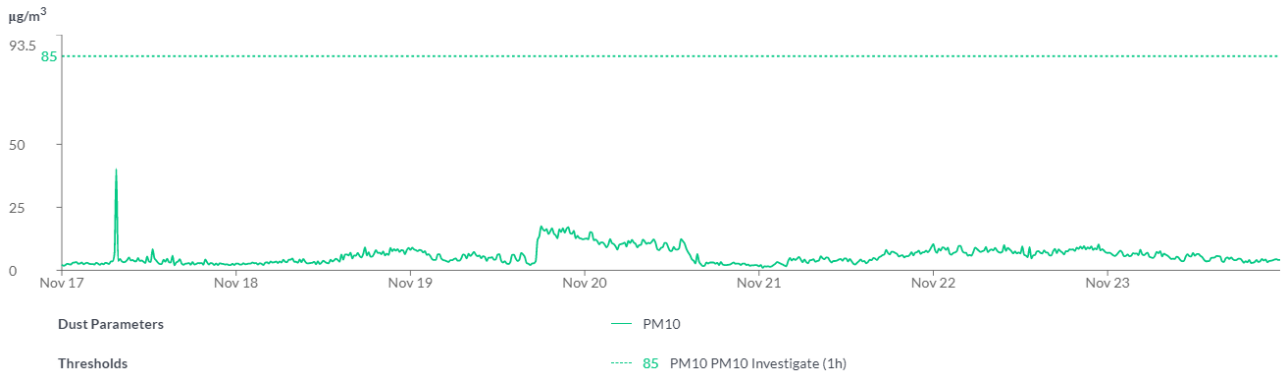
Gatehouse, Moore Park Road

Nov 9 2021 - Nov 16 2021



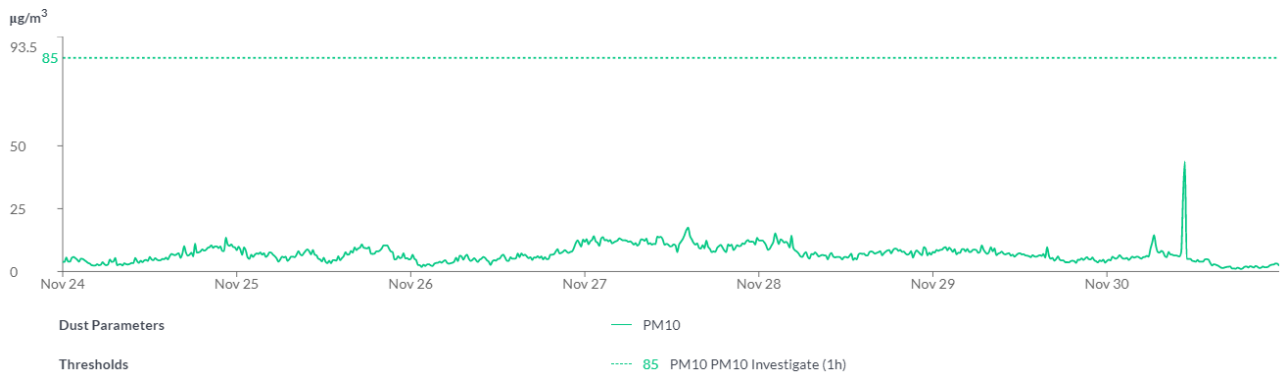
Gatehouse, Moore Park Road

Nov 17 2021 - Nov 23 2021



Gatehouse, Moore Park Road

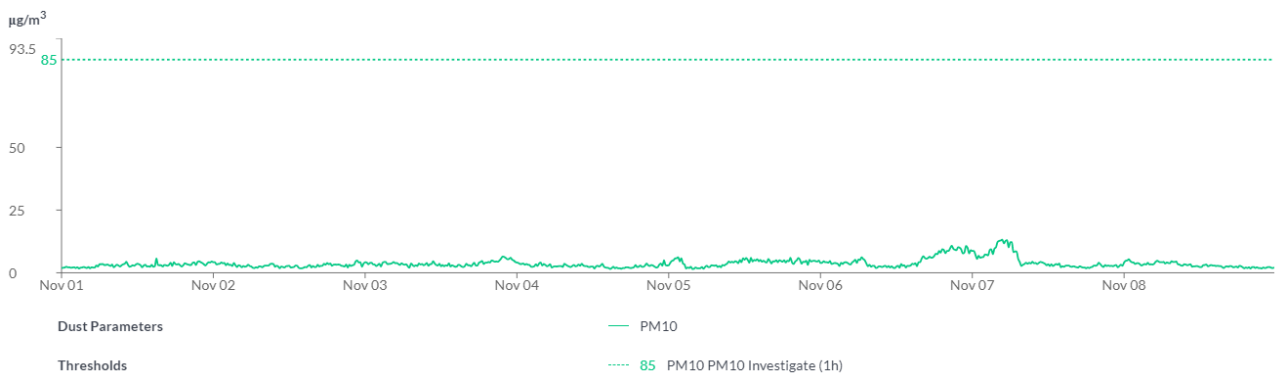
Nov 24 2021 - Nov 30 2021



Kira Childcare Centre

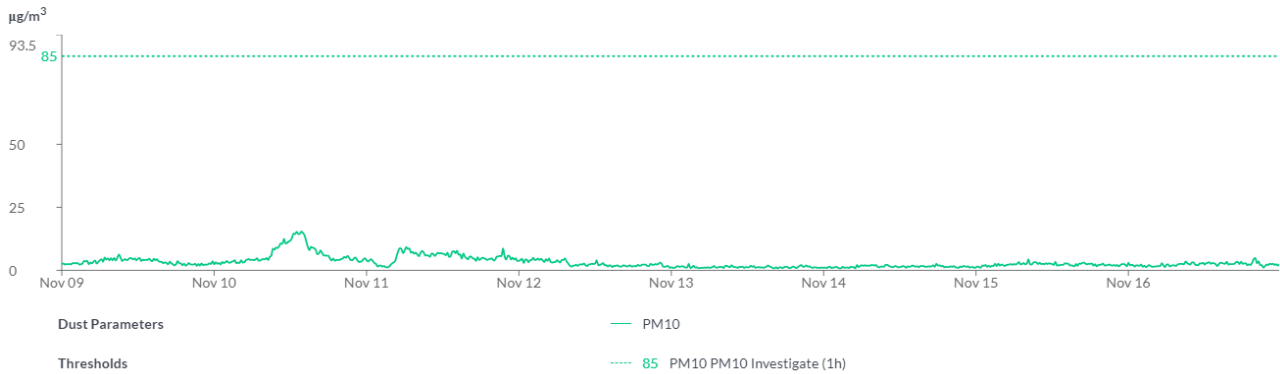
Kira Child Care Centre

Nov 1 2021 - Nov 8 2021



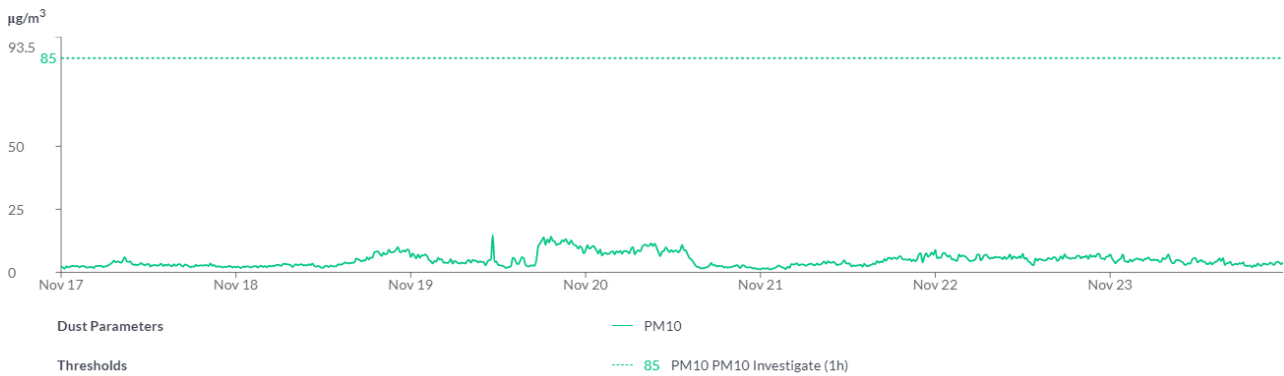
Kira Child Care Centre

Nov 9 2021 - Nov 16 2021



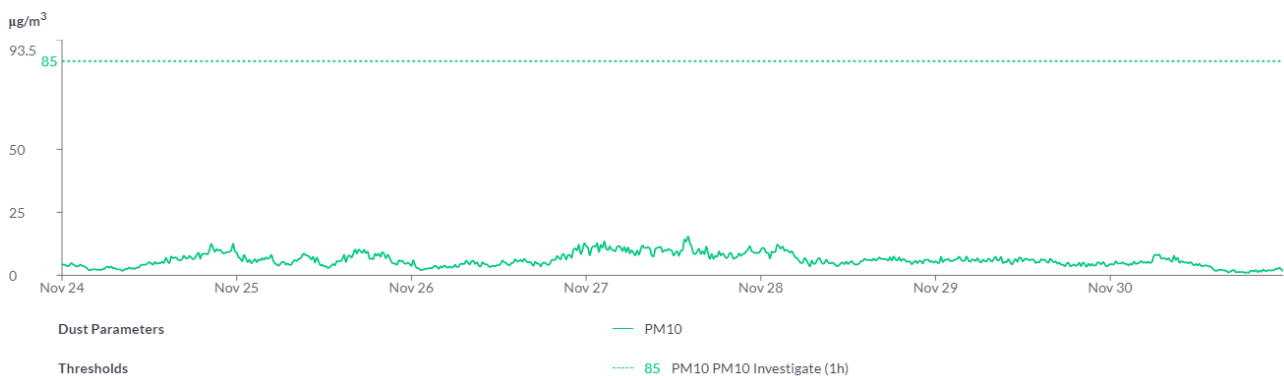
Kira Child Care Centre

Nov 17 2021 - Nov 23 2021



Kira Child Care Centre

Nov 24 2021 - Nov 30 2021



3.1.2 Discussion

There were no exceedances of the investigate trigger level during this month. There were no exceedances of the action trigger level. Short periods of missing data are due to monitor maintenance.

3.2 Dust Deposition Monitoring

Gauge ID	Location	Trigger value g/m2/month	Result g/m2/month	Comment
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April 2020				
DDG1	1	4	3.0	No trigger level events were recorded by real time monitors
DDG2	2A	4	6.9	No trigger level events were recorded by real time monitors

4 Water Quality Monitoring

Water quality monitoring was undertaken in 3 locations in Kippax Lake.

Date	Time	Location	Temp	pH	EC	NTU	DO	TDS	Comment
			(c)		mS/cm		Mg/L	g/L	
15/11/21	12:45	1 (north)	19.15	7.31	0.16	28.8	8.12	0.1	No evidence of overland flow or impacts from SFs project activities.
15/11/21	12:47	2 (mid)	19.21	7.36	0.17	29.4	7.89	0.1	No evidence of overland flow or impacts from SFs project activities.
15/11/21	12:50	3 (south)	19.22	7.37	0.17	32.1	7.88	0.1	No evidence of overland flow or impacts from SFs project activities.