

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

**Author: Holly Hofland
Date: 16 September 2021**

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1 Vibration Monitoring

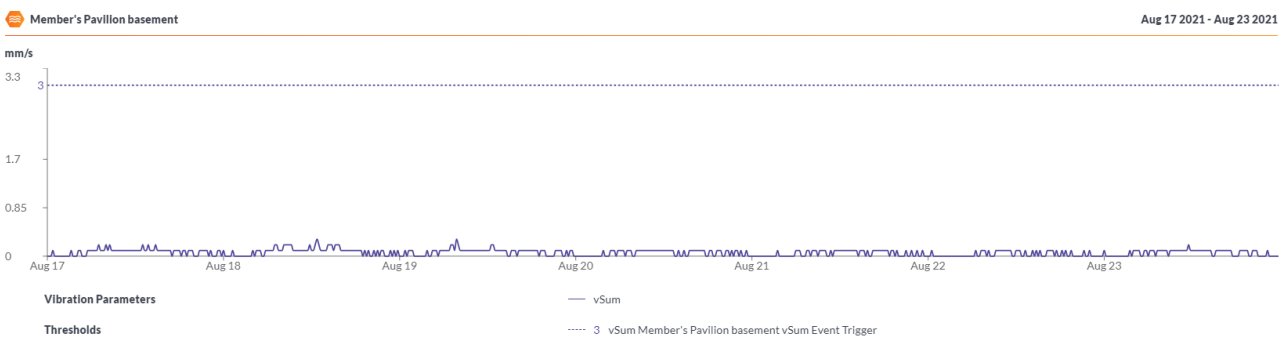
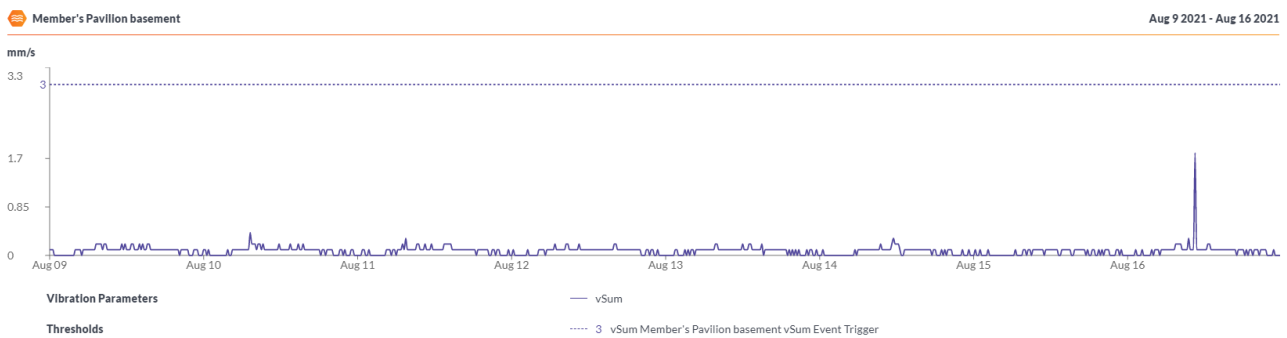
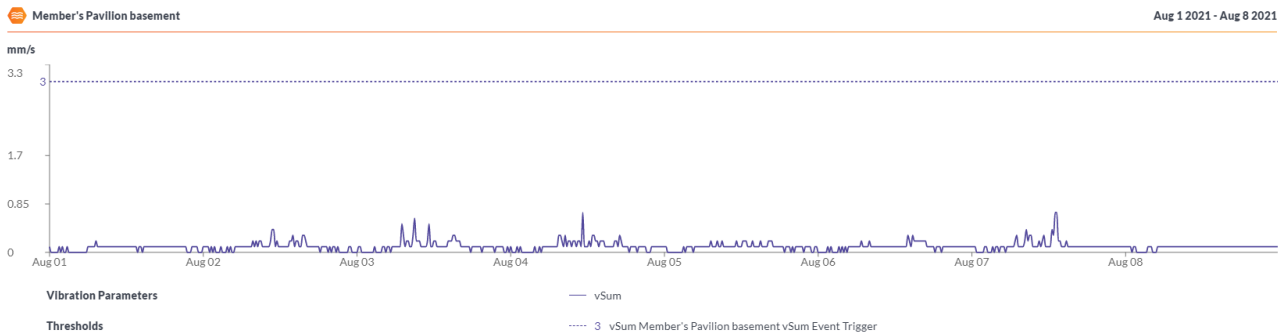
1.1 Real time monitoring

1.1.1 Results

Real time vibration monitoring is conducted in 2 locations

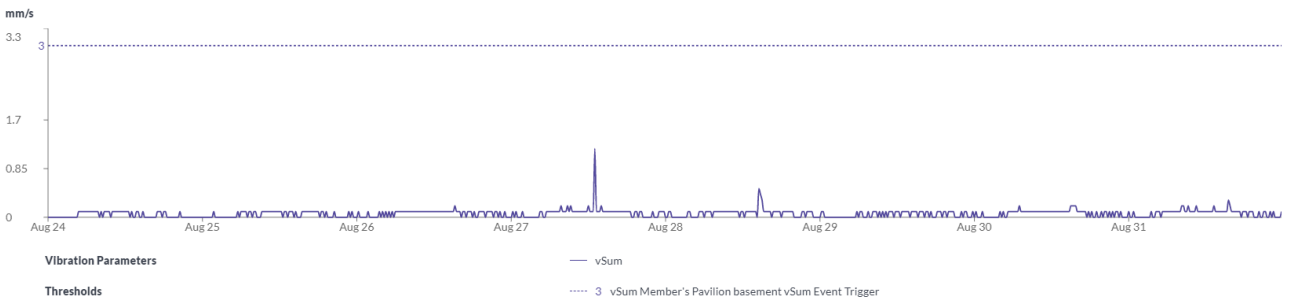
- SCG Members Stand – Criteria of 3mm/s
- Noble Stand adjacent to Fox Studios Boundary – adopted criteria of 7.5mm/s

SCG Members Stand



Member's Pavillon basement

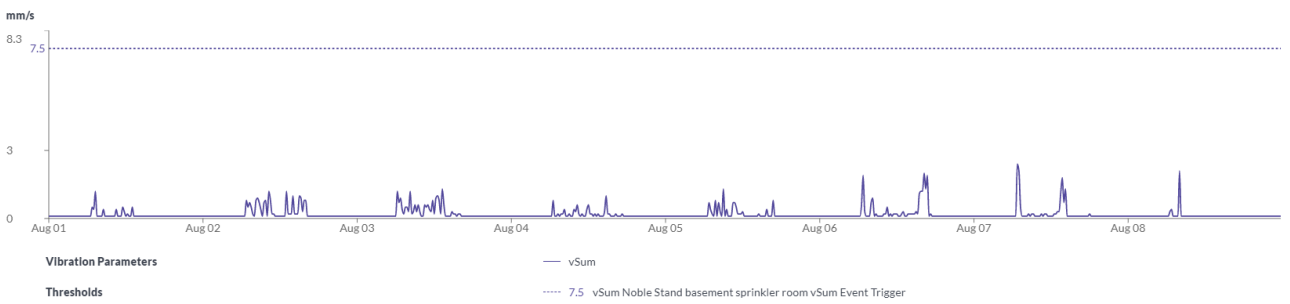
Aug 24 2021 - Aug 31 2021



Noble Stand

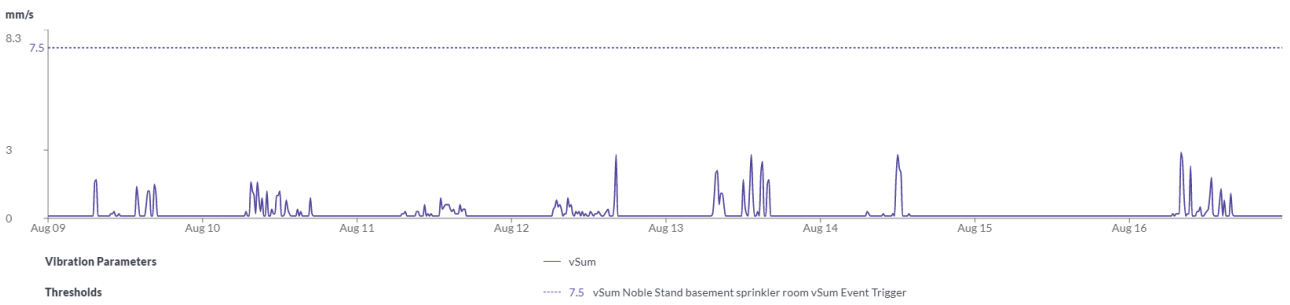
Noble Stand basement sprinkler room

Aug 1 2021 - Aug 8 2021



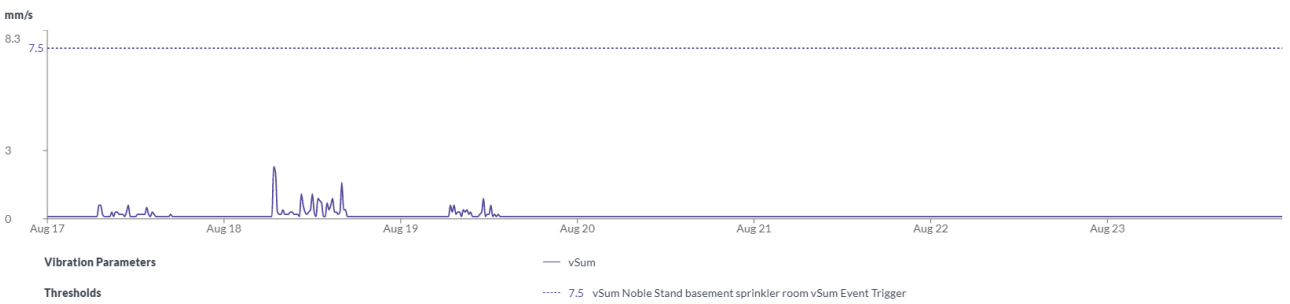
Noble Stand basement sprinkler room

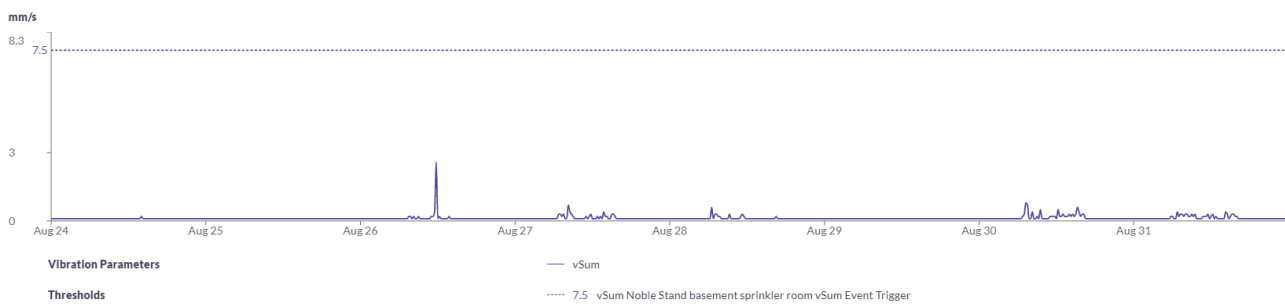
Aug 9 2021 - Aug 16 2021



Noble Stand basement sprinkler room

Aug 17 2021 - Aug 23 2021





1.1.2 Discussion

Results were compliant with the relevant criteria during the period. There were no events that exceeded trigger levels.

1.2 Attended Monitoring

Attended monitoring was not conducted during this period as real time monitors were installed and functional during the assessed period.

2 Noise Monitoring

2.1 Real time monitoring

Real time monitors are 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:

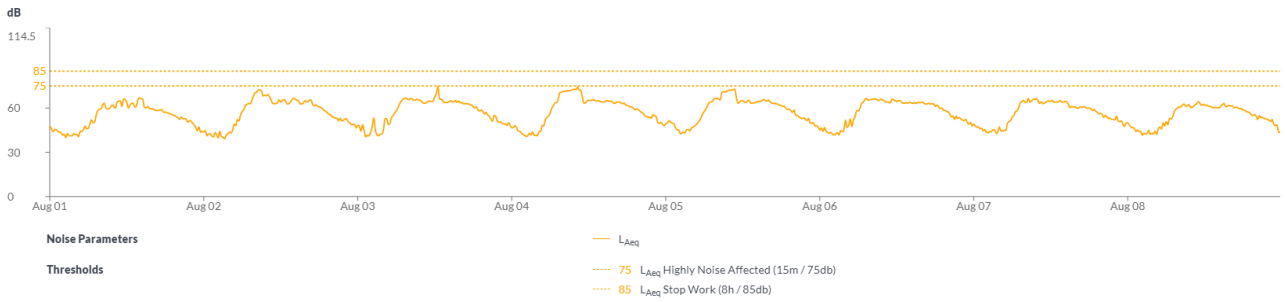
- *in continuous blocks not exceeding 3 hours each with one hour of respite every three hours block;*
- *scheduling of works outside of the examination time for educational establishments; and*
- *noise intrusive works commencing after 8am and be undertaken within the approved standard construction hours.*

2.1.1 Results

Kira Child Care Centre

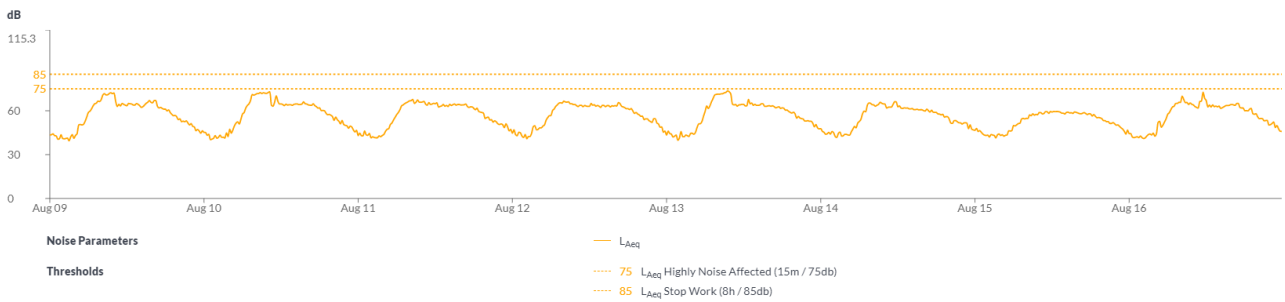
Kira Child Care Centre

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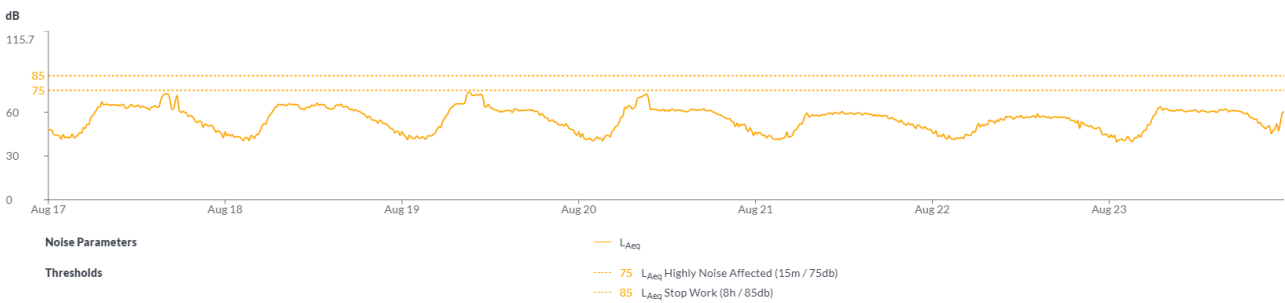
Kira Child Care Centre

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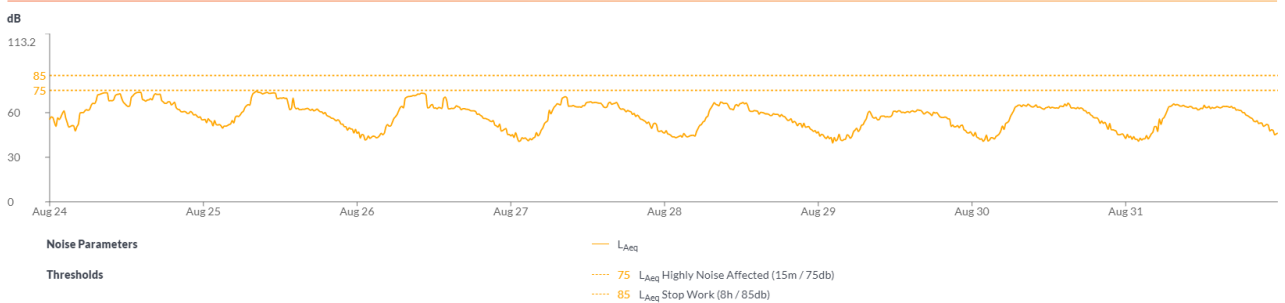
Kira Child Care Centre

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Kira Child Care Centre

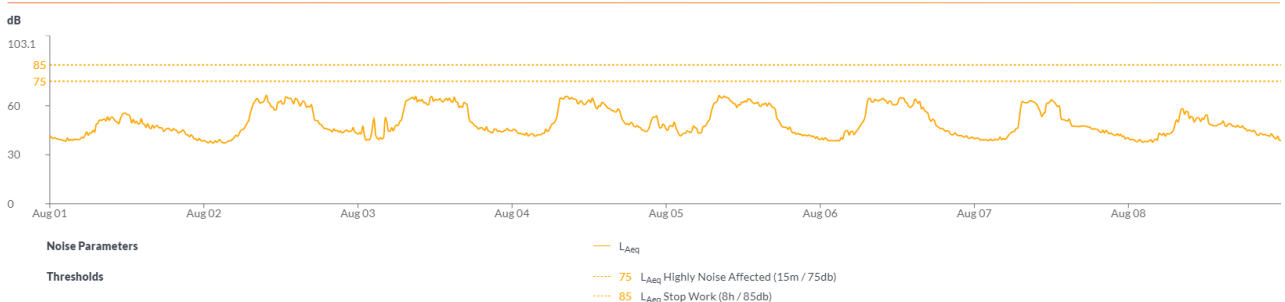
Aug 24 2021 - Aug 31 2021



Moore Park Road

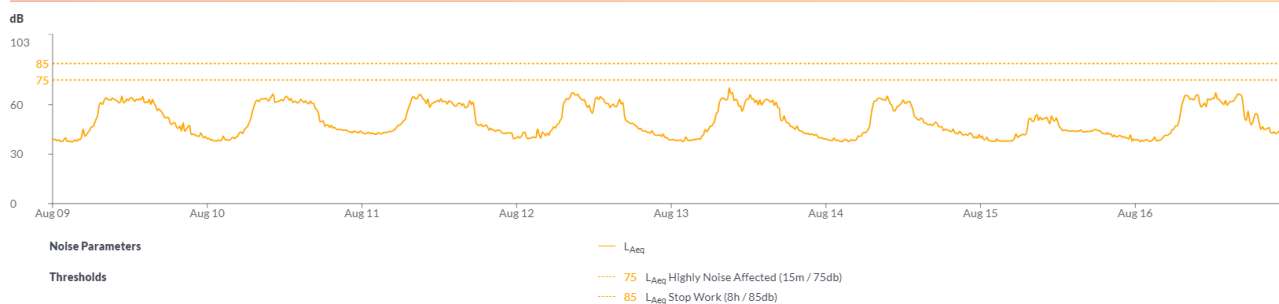
Gatehouse, Moore Park Road

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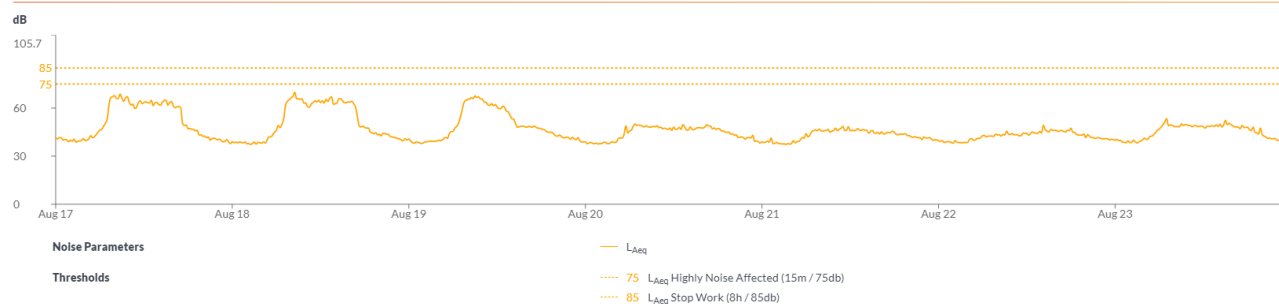
Gatehouse, Moore Park Road

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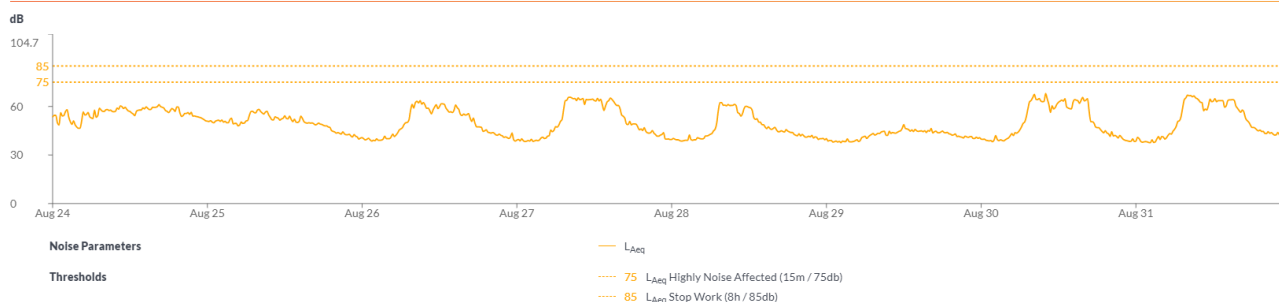
Gatehouse, Moore Park Road

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Gatehouse, Moore Park Road

Aug 24 2021 - Aug 31 2021



2.1.2 Discussion

Works were compliant with the criteria. There was one instance exceeding the Highly Noise Affected threshold. Works were reviewed and reduced, and respite was maintained. The predominant source of noise was due to peak hour traffic. There is a small amount of missing data due to required maintenance of the monitor.

2.2 Attended Monitoring

Attended monitoring was carried out at 4 locations as below

Date	Time	Location	Predicted L _{Aeq} (15)	Result (L _{Aeq})	Activities	Comment
26/08/2021	11:59	E5	77	67.0	Excavation works, Crane operations, steel fixing, sheet piling	Traffic dominant noise source, construction works are audible, sheet piling barely audible
26/08/2021	12:15	CC2	74	70.6	Excavation works, Crane	Traffic dominant noise source,

					operations, sheet piling	construction audible
26/08/2021	12:31	R6	80	69.2	Excavation works, Tower crane lifting, steel fixing	Traffic dominant noise source, construction works are audible
26/08/2021	12:54	C1	76	71.2	Crane operations, steel fixing, formwork	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:

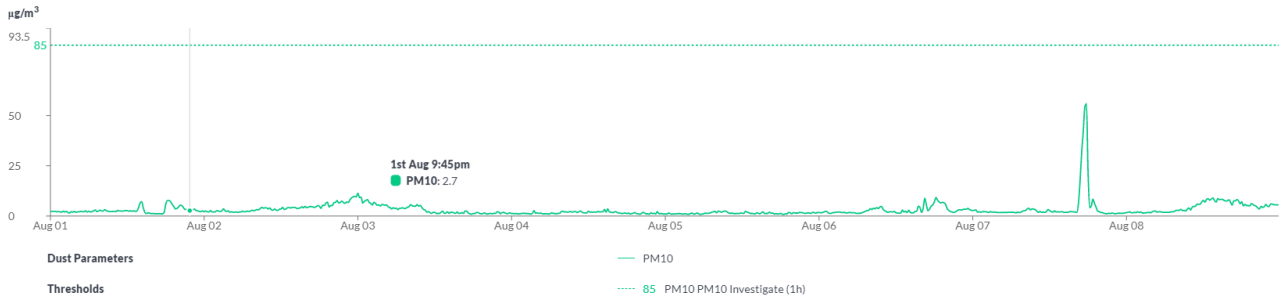
Trigger Stage	Averaging Period	Trigger Value ($\mu\text{g}/\text{m}^3$)	Action Required
1 Investigate	1 hour	85	Site Manager to undertake review of possible dust sources operating during the average period. Identify possible measures for these activities; action if deemed necessary.
	3 hour	80	
2 Action	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

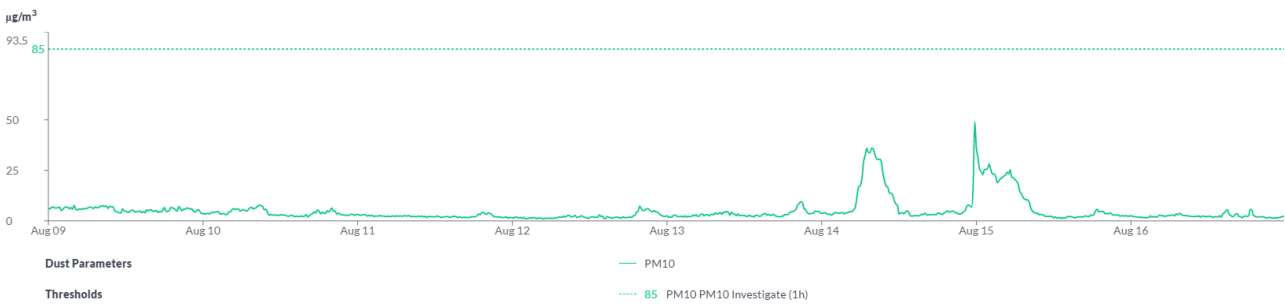
Gatehouse, Moore Park Road

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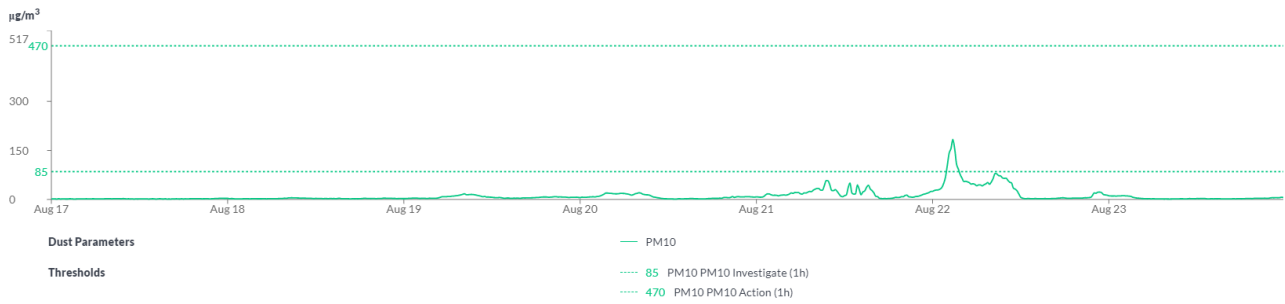
Gatehouse, Moore Park Road

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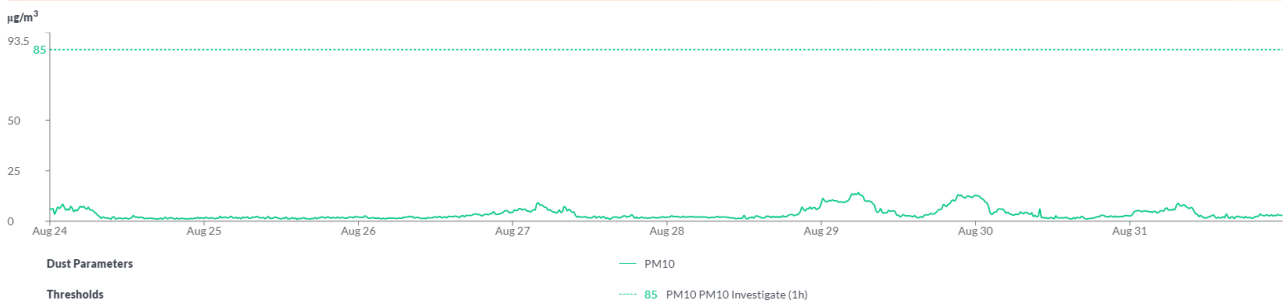
Gatehouse, Moore Park Road

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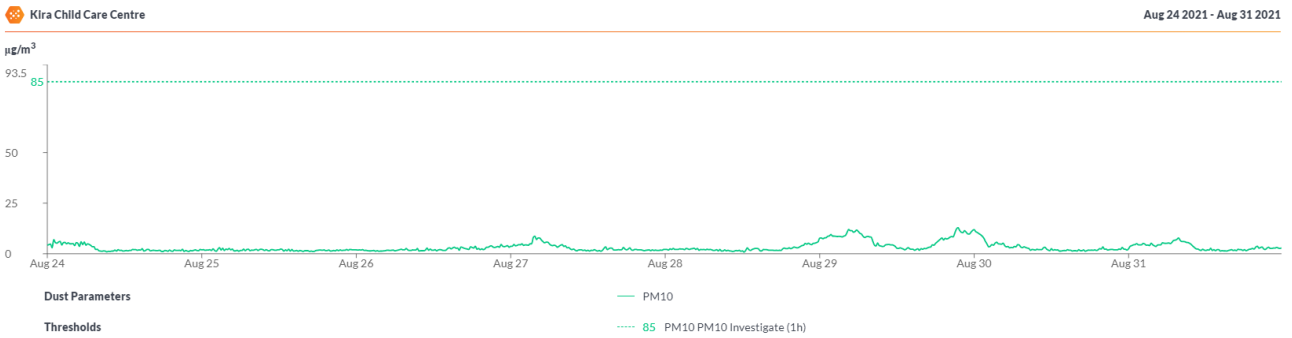
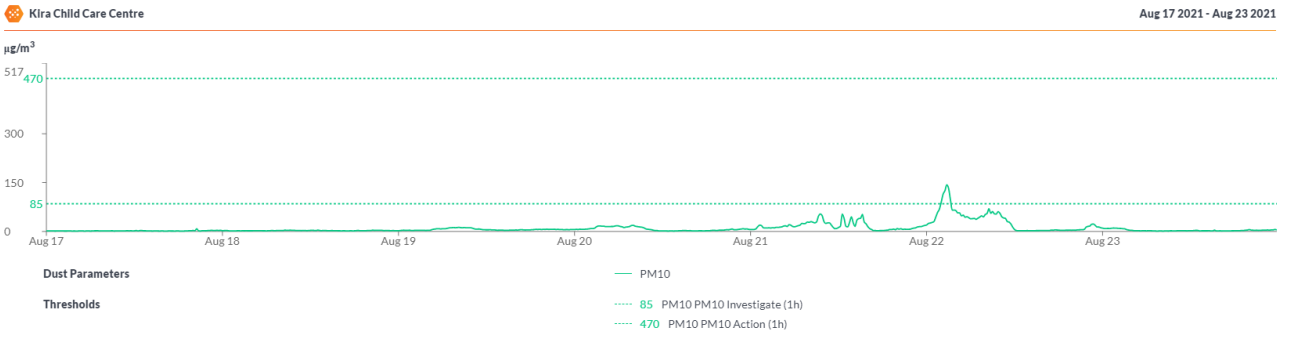
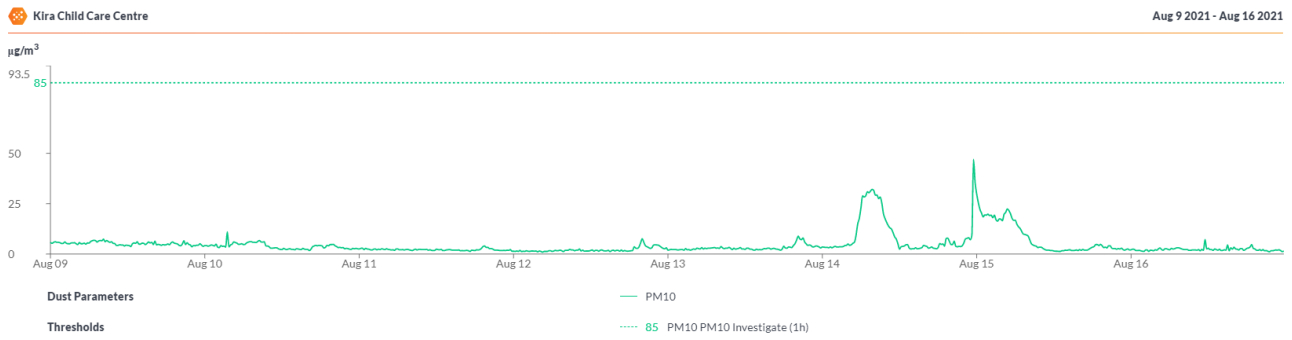
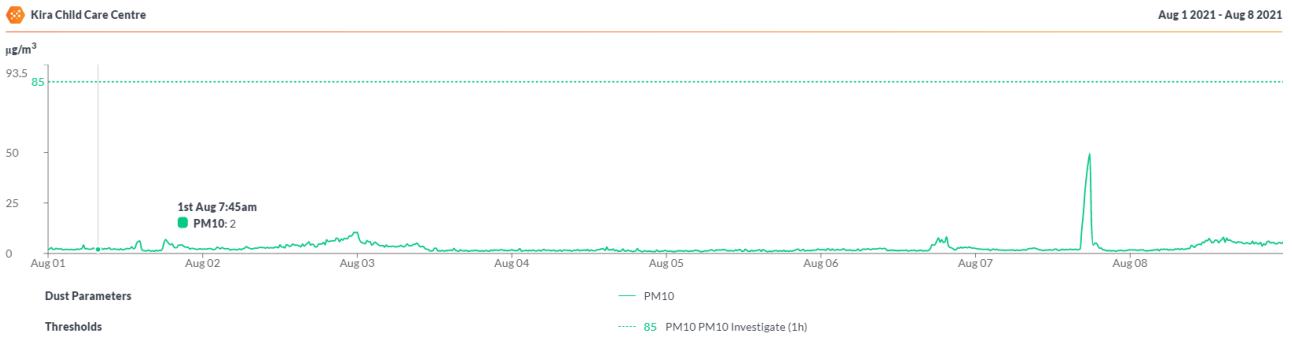


Gatehouse, Moore Park Road

Aug 24 2021 - Aug 31 2021



Kira Childcare Centre



3.1.2 Discussion

There was one exceedance of the investigate trigger level during this month. Site inspection was undertaken, and further mitigations put in place to reduce generation of dust.

3.2 Dust Deposition Monitoring

Gauge ID	Location	Trigger value g/m2/month	Result g/m2/month	Comment
April 2020				
DDG1	1	4	2.2	No trigger level events were recorded by real time monitors
DDG2	2A	4	4.4	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 (c)	EC mS/cm	NTU	DO Mg/L	TDS g/L	Comment
26/08/2021	11:30	1 (north)	12.68	7.75	0.152	34.8	10.64	0.099	No evidence of overland flow or impacts from SFs project activities.
26/08/2021	11:32	2 (mid)	12.69	7.1	0.152	35.0	9.2	0.087	No evidence of overland flow or impacts from SFs project activities.
26/08/2020	11:34	3 (south)	12.38	6.45	0.135	34.9	9.82	0.087	No evidence of overland flow or impacts from SFs project activities. Significant plant detritus/ algal bloom