

Sydney Football Stadium Redevelopment Stage 2 Environmental Monitoring Summary – April 2022

**Author: Holly Hofland
Date: 17 May 2022**

Table of contents

1	Vibration Monitoring	3
	1.1 Attended Monitoring	3
2	Noise Monitoring	3
	2.1 Error! Bookmark not defined. Real time monitoring	
	2.2 Attended Monitoring	5
3	Dust Monitoring	Error! Bookmark not defined.
	3.1 Real Time Monitoring	6
	3.2 Dust Deposition Monitoring	9
4	Water Quality Monitoring	9

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:

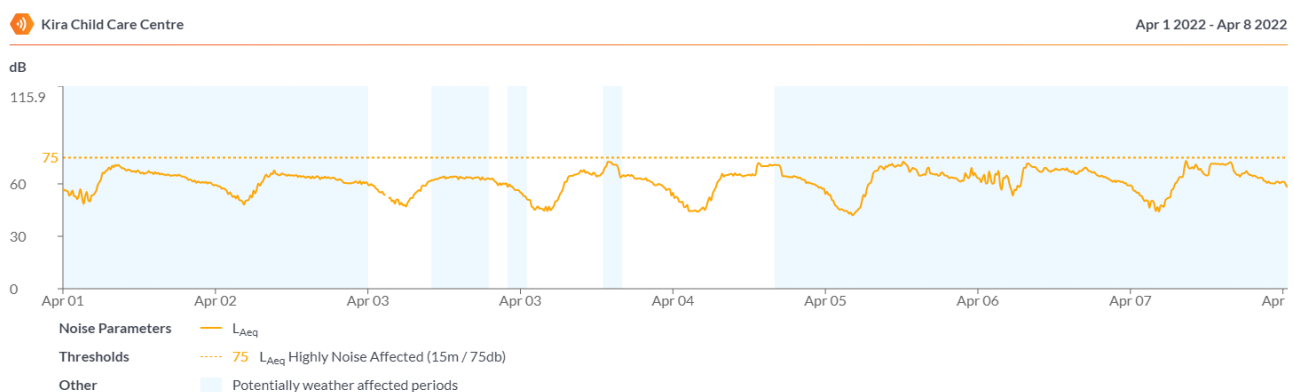
C7. All works that generate noise exceeding 75dB(A) LAeq (15mins) are subject to the intra-day respite periods, as approved by the Planning Secretary in the CNVMP in condition B28

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.

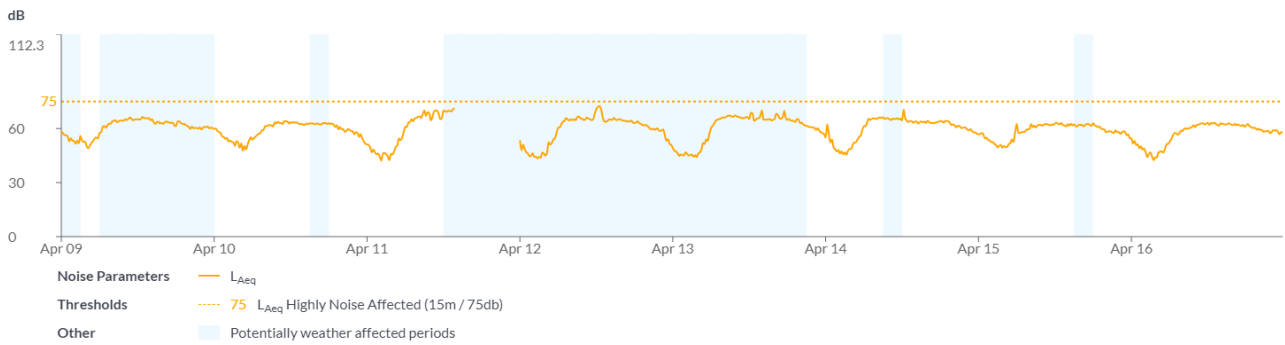
2.1.1 Results

Kira Child Care Centre



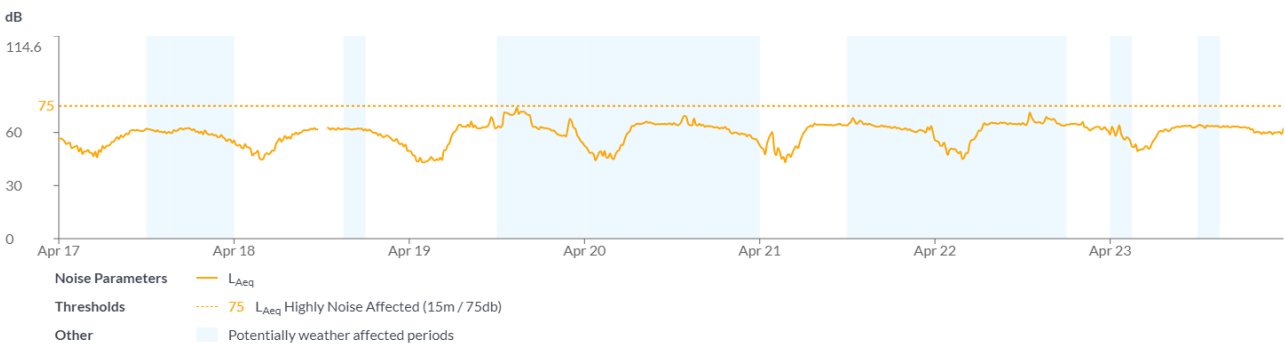
Kira Child Care Centre

Apr 9 2022 - Apr 16 2022



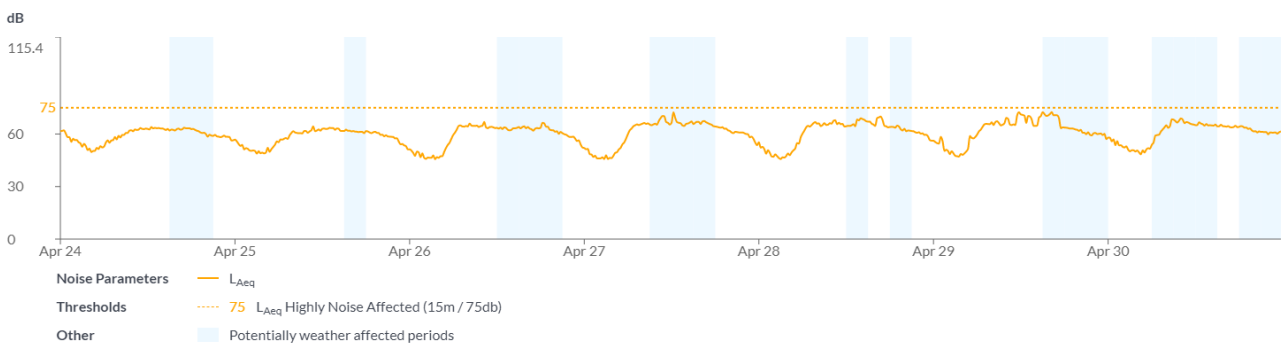
Kira Child Care Centre

Apr 17 2022 - Apr 23 2022



Kira Child Care Centre

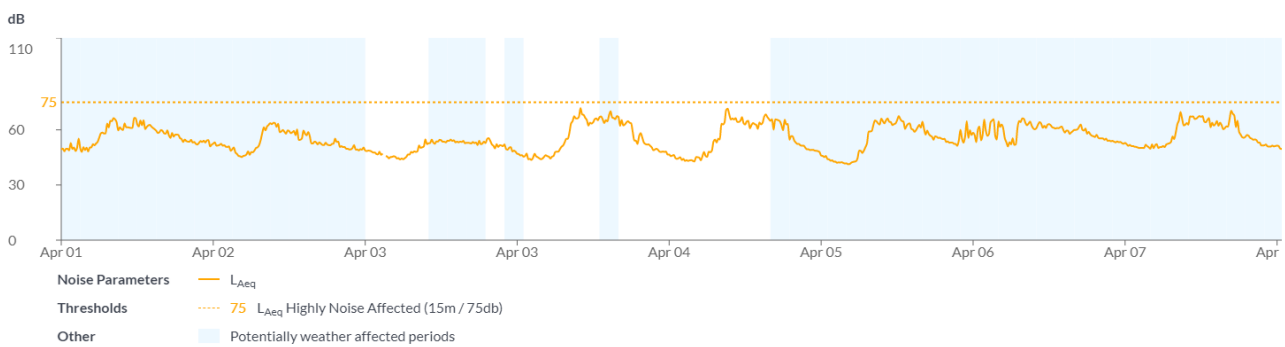
Apr 24 2022 - Apr 30 2022



Moore Park Road

Gatehouse, Moore Park Road

Apr 1 2022 - Apr 8 2022



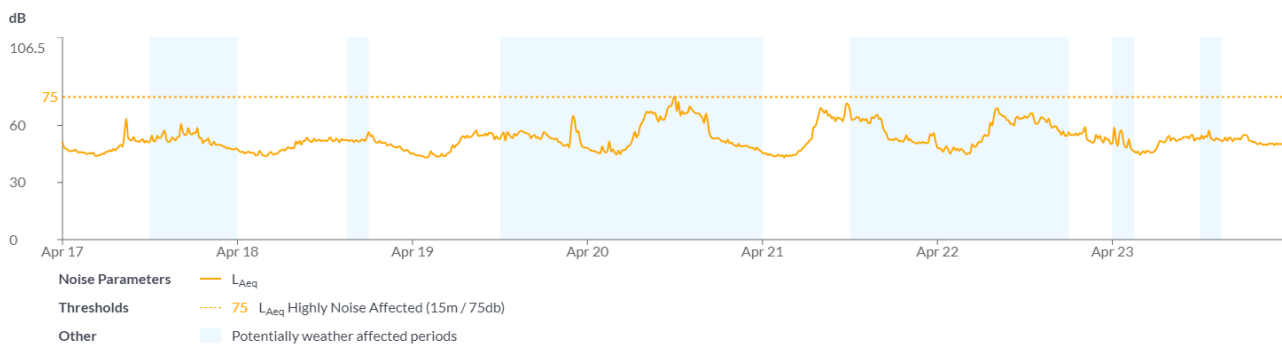
Gatehouse, Moore Park Road

Apr 9 2022 - Apr 16 2022



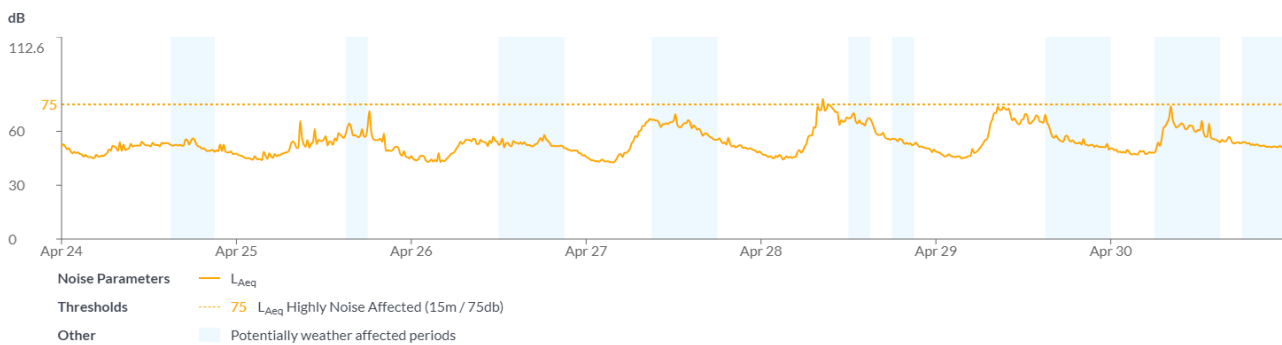
Gatehouse, Moore Park Road

Apr 17 2022 - Apr 23 2022



Gatehouse, Moore Park Road

Apr 24 2022 - Apr 30 2022



2.2 Discussion

Works were compliant with the criteria. There was one exceedances of the Highly Noise Affected threshold related to SFS works. Due to the short nature of the noise (less than 15 minutes) no further mitigation was required. The predominant source of noise was due to peak hour traffic. Small amounts of data missing due to power interruptions and monitor maintenance

2.3 Attended Monitoring

Attended monitoring was carried out at 4 locations as below

Date	Time	Location	Predicted Laeq (15)	Result (Laeq)	Activities	Comment
------	------	----------	---------------------	---------------	------------	---------

11/4/22	09:15	E5	77	70.4	Landscaping, Crane operations, façade installation	Traffic dominant noise source, construction works are audible.
11/4/22	09:30	CC2	74	71.2	Landscaping works, Crane operations, façade installation	Traffic dominant noise source, construction audible
11/4/22	09:47	R6	80	72.1	Landscaping works, façade installation	Traffic dominant noise source, construction works are audible
11/4/22	10:15	C1	76	63.6	façade installation, fit out, landscaping	Construction works are audible.

2.4 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:

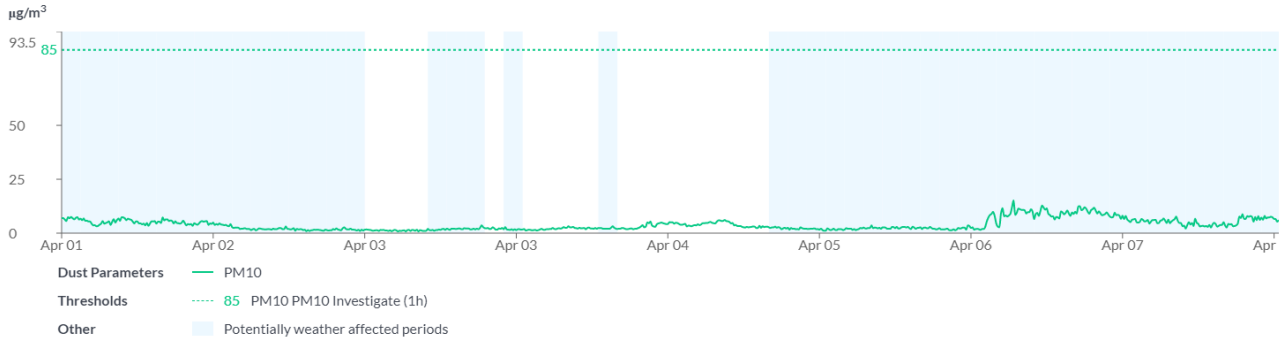
Trigger Stage	Averaging Period	Trigger Value ($\mu\text{g}/\text{m}^3$)	Action Required
1 Investigate	1 hour	85	Site Manager to undertake review of possible dust sources operating during the average period. Identify possible measures for these activities; action if deemed necessary.
	3 hour	80	
2 Action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

2.4.1 Results

Kira Childcare Centre

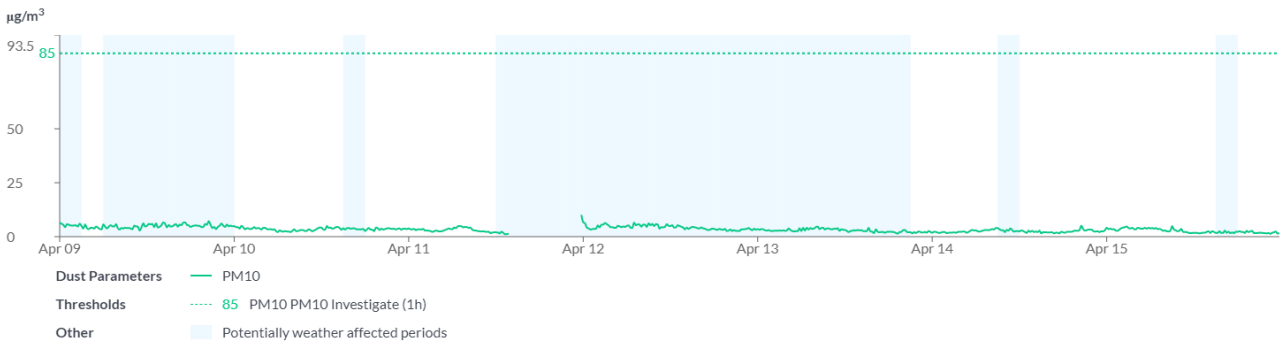
Kira Child Care Centre

Apr 1 2022 - Apr 8 2022



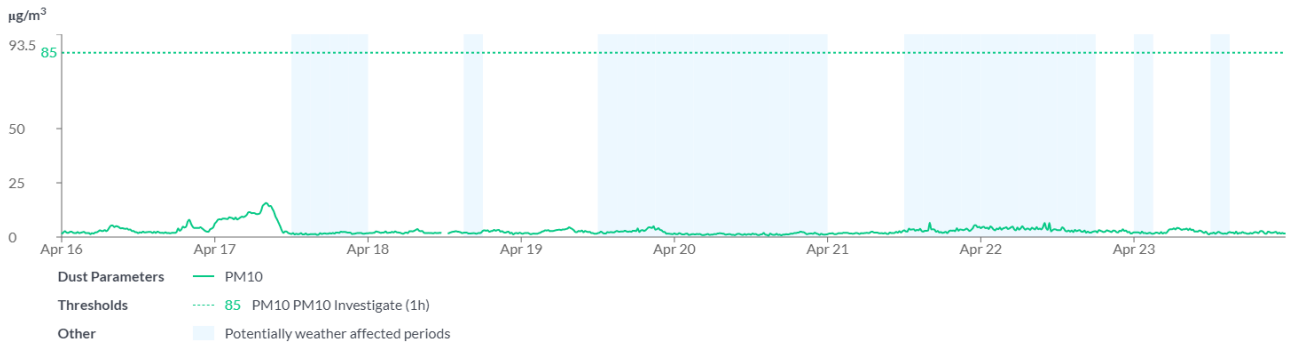
Kira Child Care Centre

Apr 9 2022 - Apr 15 2022



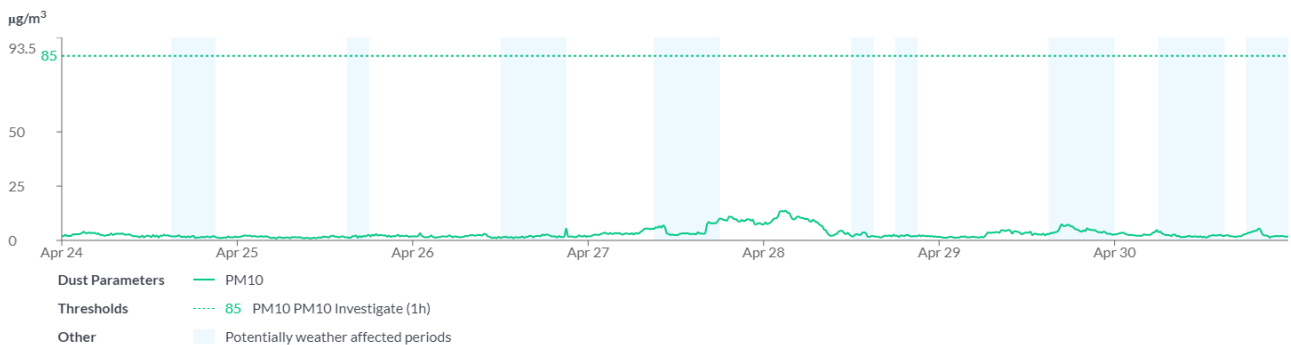
Kira Child Care Centre

Apr 16 2022 - Apr 23 2022



Kira Child Care Centre

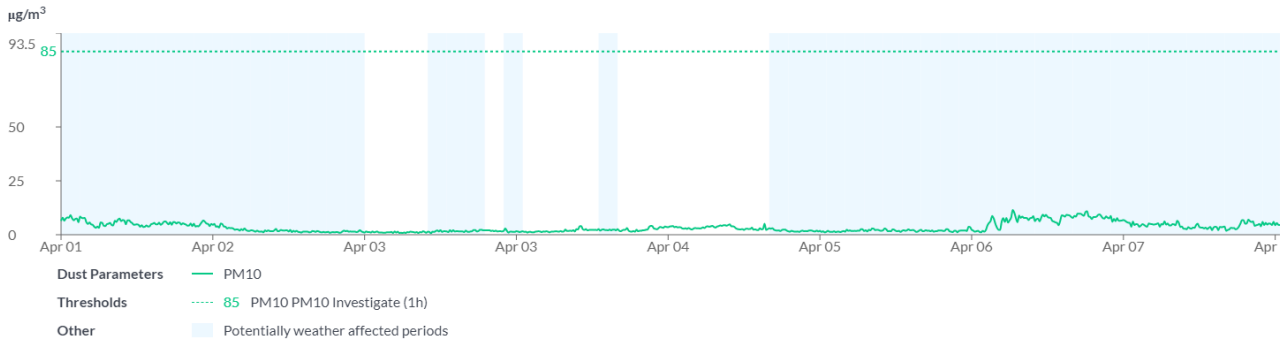
Apr 24 2022 - Apr 30 2022



Moore Park Road

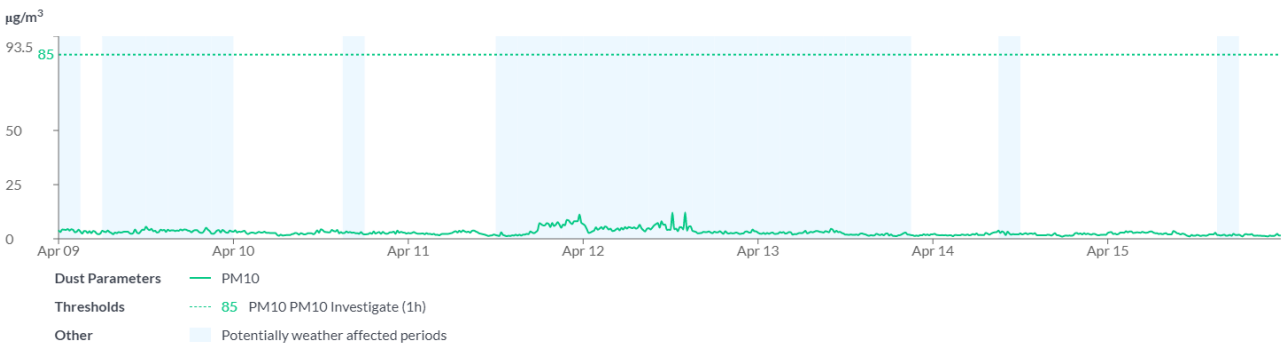
Gatehouse, Moore Park Road

Apr 1 2022 - Apr 8 2022



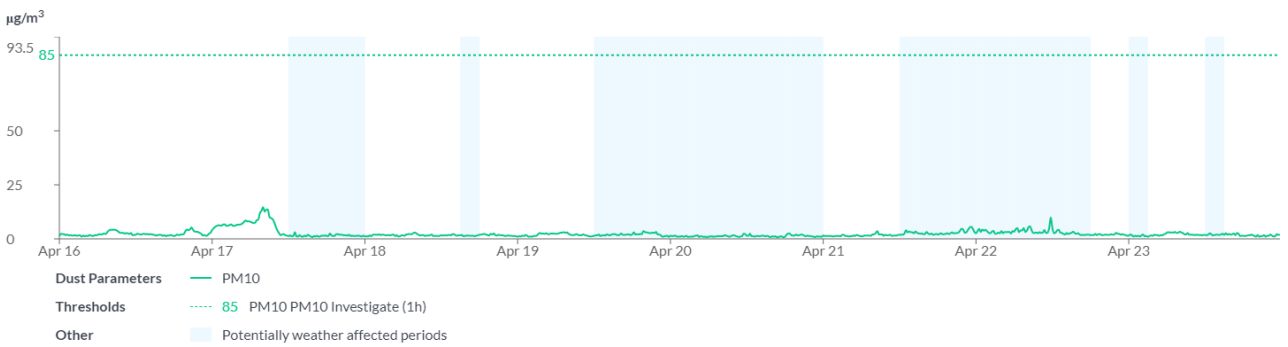
Gatehouse, Moore Park Road

Apr 9 2022 - Apr 15 2022



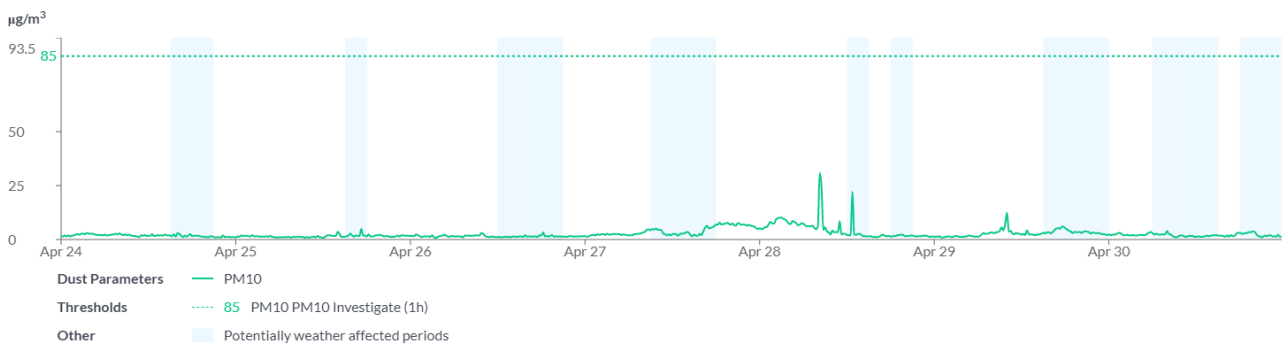
Gatehouse, Moore Park Road

Apr 16 2022 - Apr 23 2022



Gatehouse, Moore Park Road

Apr 24 2022 - Apr 30 2022



2.4.2 Discussion

There were no exceedances of the investigate or action trigger levels during this month. Small periods of missing data are due to power interruptions and monitor maintenance

2.5 Dust Deposition Monitoring

Gauge ID	Location	Trigger value g/m2/month	Result g/m2/month	Comment
April 2020				
DDG1	1	4	1.2	No trigger level events were recorded by real time monitors
DDG2	2A	4	0.5	No trigger level events were recorded by real time monitors

3 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
11/4/22	14:02	1 (north)	18.23	7.52	0.219	32.4	8.81	0.152	No evidence of overland flow or impacts from SFS project activities.
11/4/22	14:04	2 (mid)	18.25	7.39	0.221	30.4	5.32	0.153	No evidence of overland flow or impacts from SFS project activities.
11/4/22	14:06	3 (south)	18.29	7.31	0.223	34.6	5.08	0.152	No evidence of overland flow or impacts from SFS project activities.