

# **Sydney Football Stadium Redevelopment Stage 2 Environmental Monitoring Summary – June 2022**

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Date: 20 July 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:

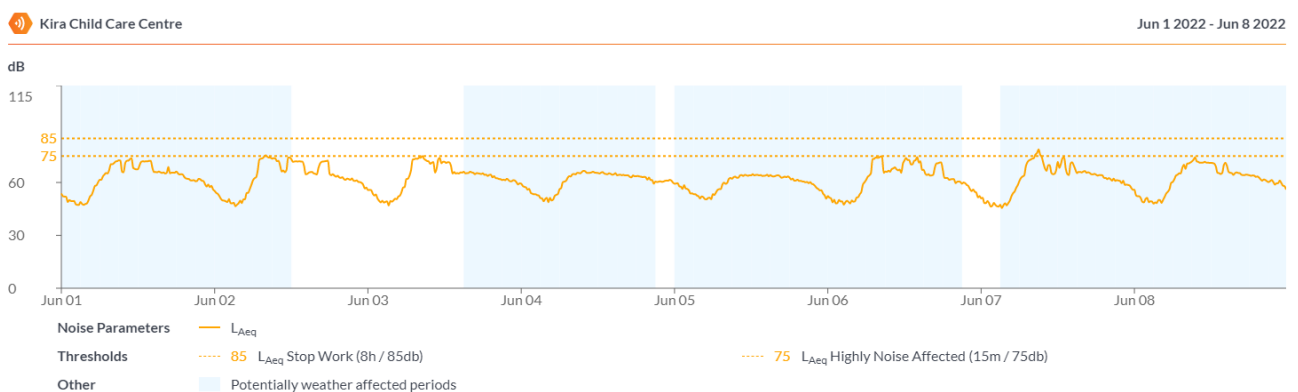
*C7. All works that generate noise exceeding 75dB(A) LAeq (15mins) are subject to the intra-day respite periods, as approved by the Planning Secretary in the CNVMP in condition B28*

*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.*

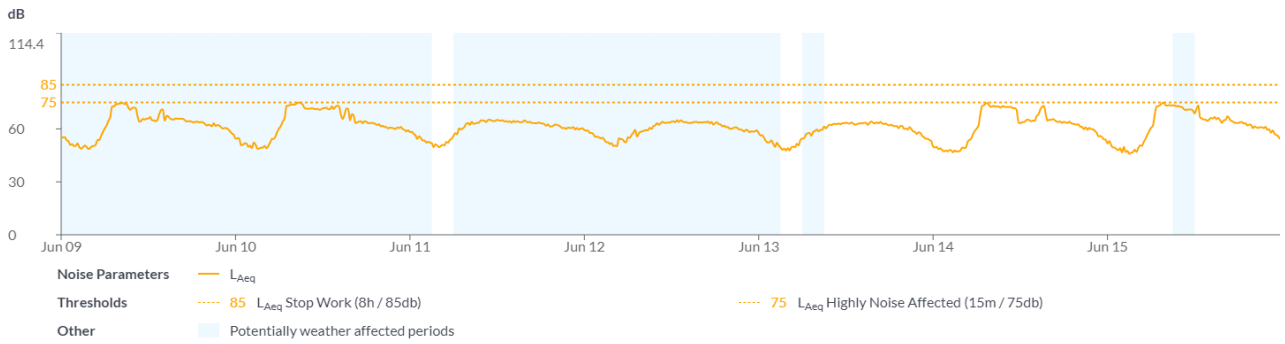
### 2.1.1 Results

#### Kira Child Care Centre



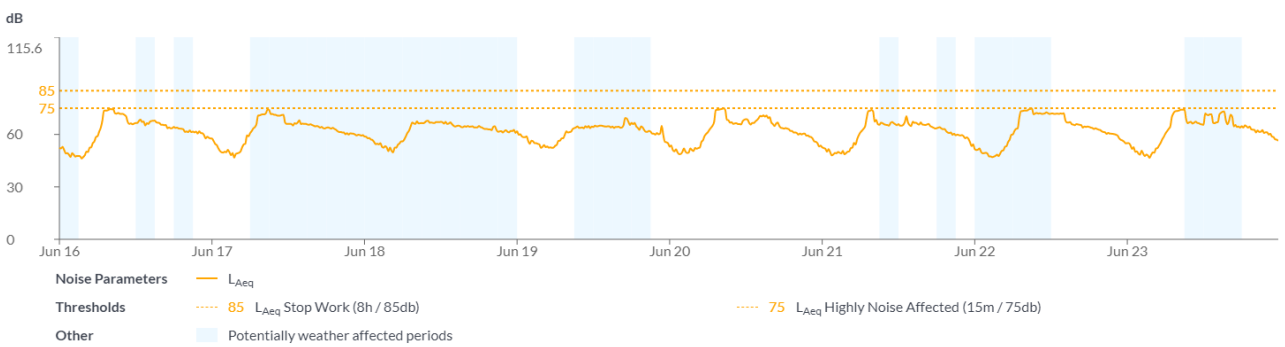
**Kira Child Care Centre**

Jun 9 2022 - Jun 15 2022



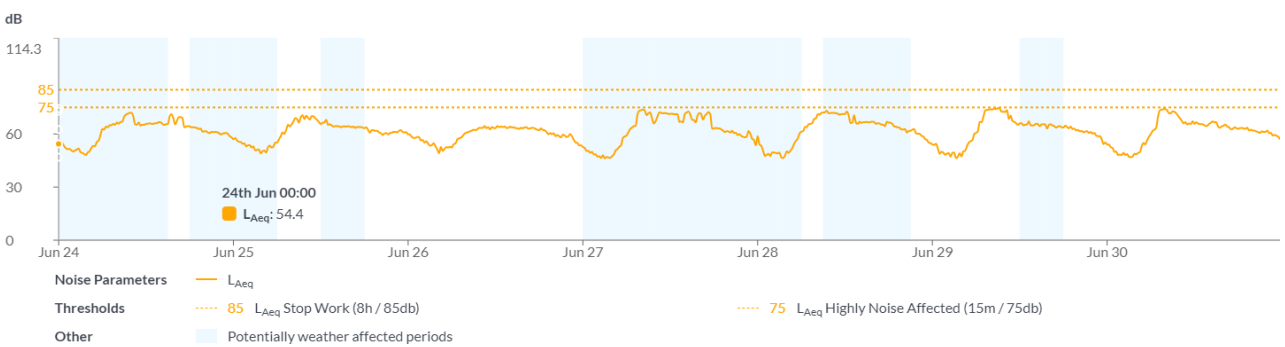
**Kira Child Care Centre**

Jun 16 2022 - Jun 23 2022



**Kira Child Care Centre**

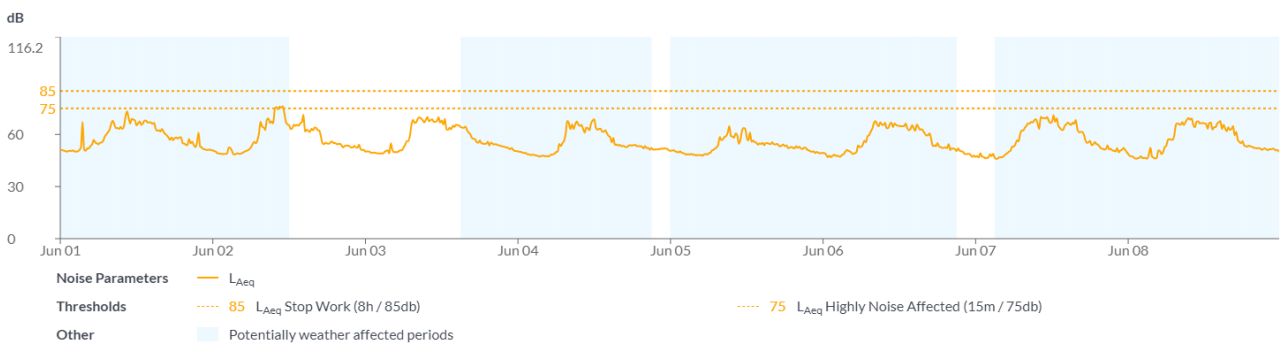
Jun 24 2022 - Jun 30 2022



**Moore Park Road**

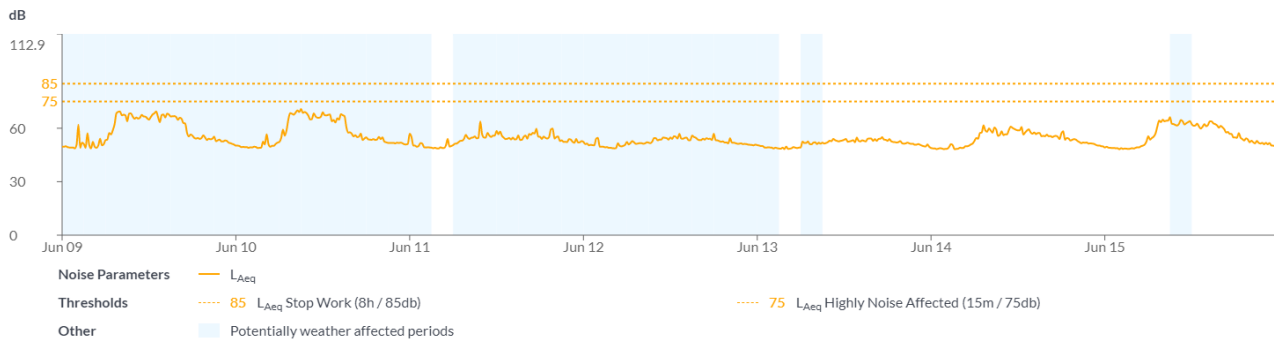
**Gatehouse, Moore Park Road**

Jun 1 2022 - Jun 8 2022



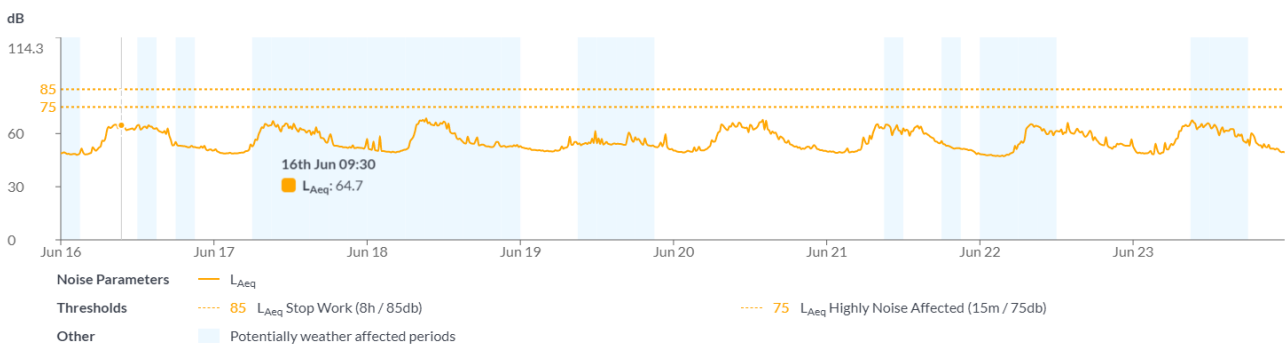
Gatehouse, Moore Park Road

Jun 9 2022 - Jun 15 2022



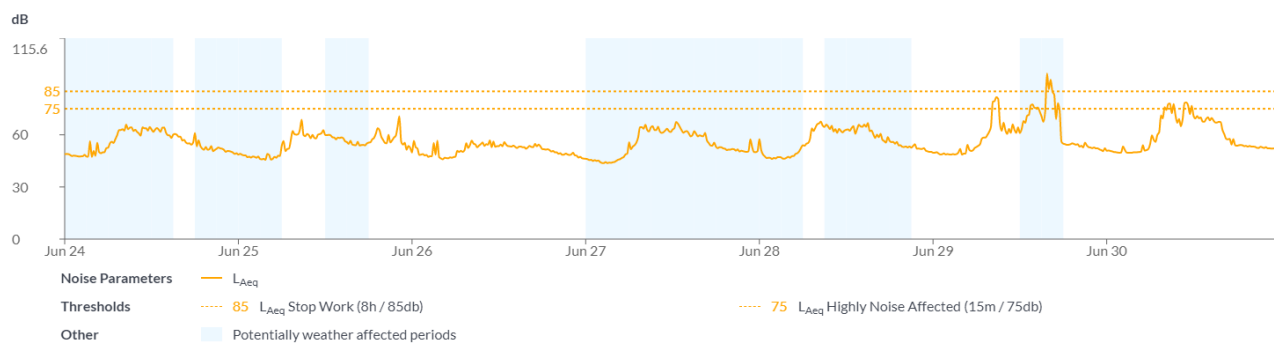
Gatehouse, Moore Park Road

Jun 16 2022 - Jun 23 2022



Gatehouse, Moore Park Road

Jun 24 2022 - Jun 30 2022



## 2.2 Discussion

Works were generally compliant with the criteria. There were no exceedances of the Highly Noise Affected threshold related to SFS works at the KCC monitor. The predominant source of noise was due to peak hour traffic. The exceedances detected at the Gatehouse monitor were due to a vacuum truck being utilised less than 3m from the monitor. Attended monitoring was undertaken at the closest residential receiver and showed no exceedance of the Highly Noise Affected criteria.

## 2.3 Attended Monitoring

Attended monitoring was carried out at 4 locations as below

Date	Time	Location	Predicted Laeq (15)	Result (Laeq)	Activities	Comment
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14/6/22	11:30	E5	77	70.7	Landscaping, façade installation, fit out	Traffic dominant noise source, construction works are audible.
14/6/22	11:45	CC2	74	71.8	Landscaping works, façade installation, fit out	Traffic dominant noise source, construction audible
14/6/22	12:05	R6	80	63.2	Landscaping works, façade installation, fit out	Traffic dominant noise source, construction works are audible
14/6/22	12:40	C1	76	59.4	Landscaping works, façade installation	Construction works are audible.
29/6/22	11:30	R6	80	66.1	Potholing Paddington lane, landscaping	Traffic large noise source, vacuum truck 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:

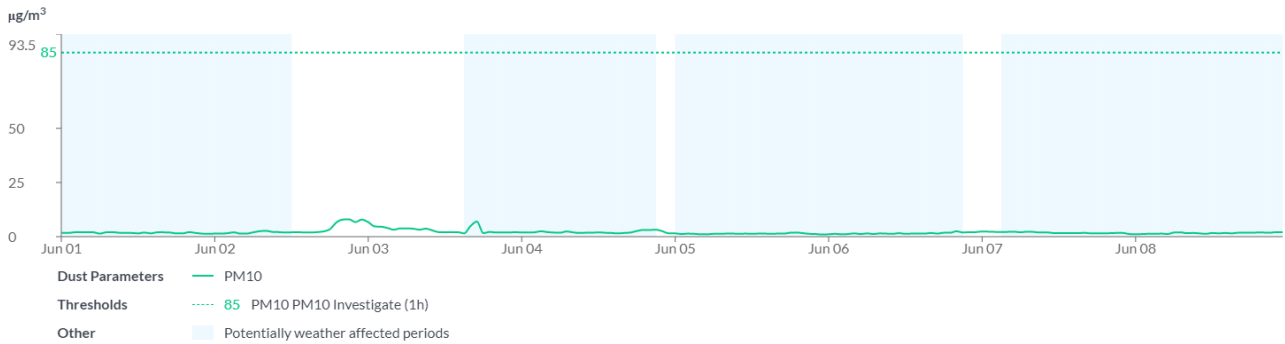
Trigger Stage	Averaging Period	Trigger Value ( $\mu\text{g}/\text{m}^3$ )	Action Required
1 Investigate	1 hour	85	Site Manager to undertake review of possible dust sources operating during the average period.
	3 hour	80	Identify possible measures for these activities; action if deemed necessary.
2 Action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

## 2.4.1 Results

### Kira Childcare Centre

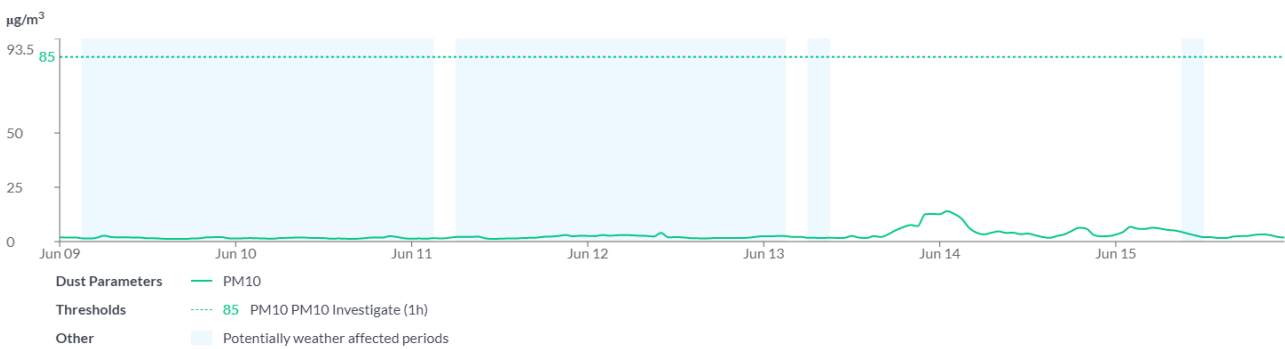
Kira Child Care Centre

Jun 1 2022 - Jun 8 2022



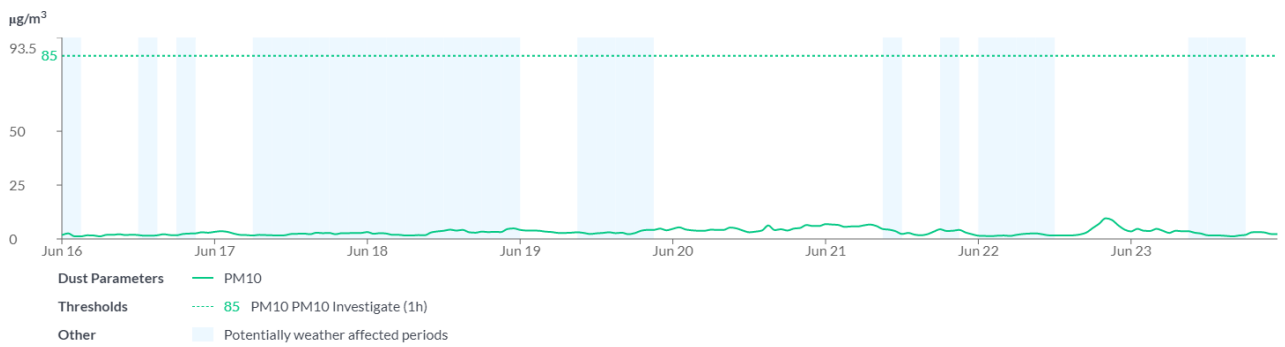
Kira Child Care Centre

Jun 9 2022 - Jun 15 2022



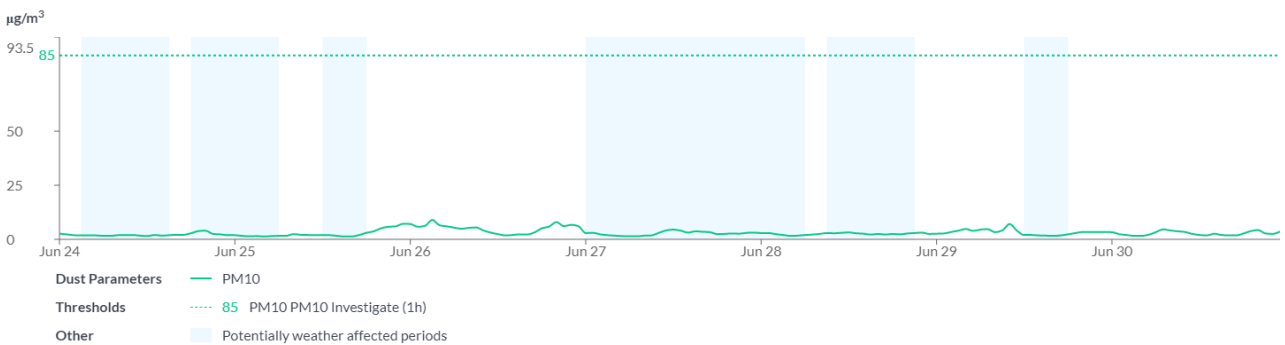
Kira Child Care Centre

Jun 16 2022 - Jun 23 2022



Kira Child Care Centre

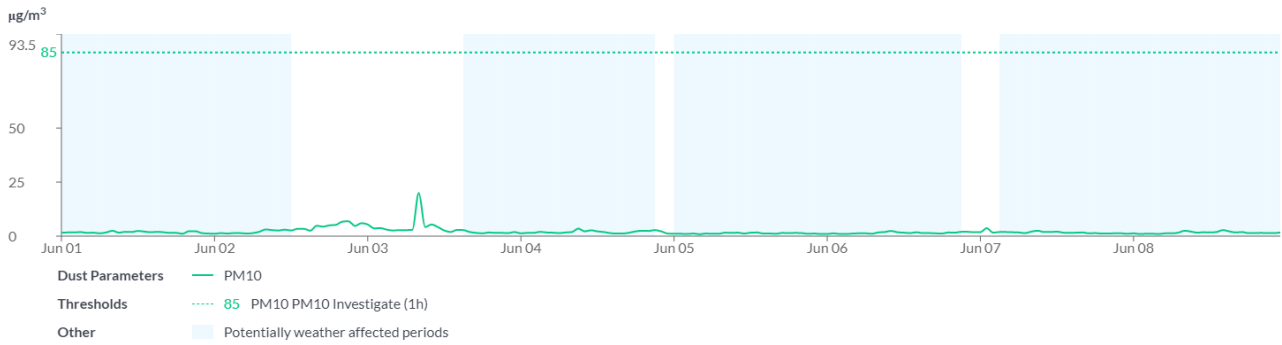
Jun 24 2022 - Jun 30 2022



### Moore Park Road

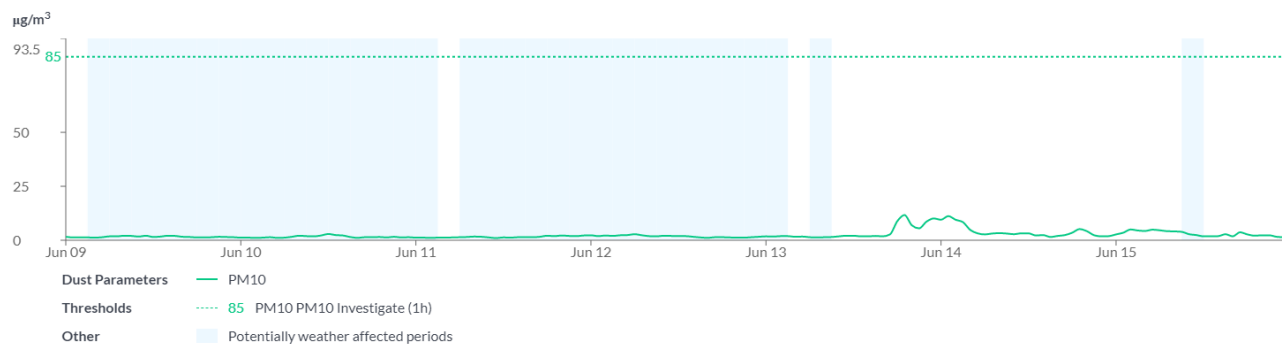
**Gatehouse, Moore Park Road**

Jun 1 2022 - Jun 8 2022



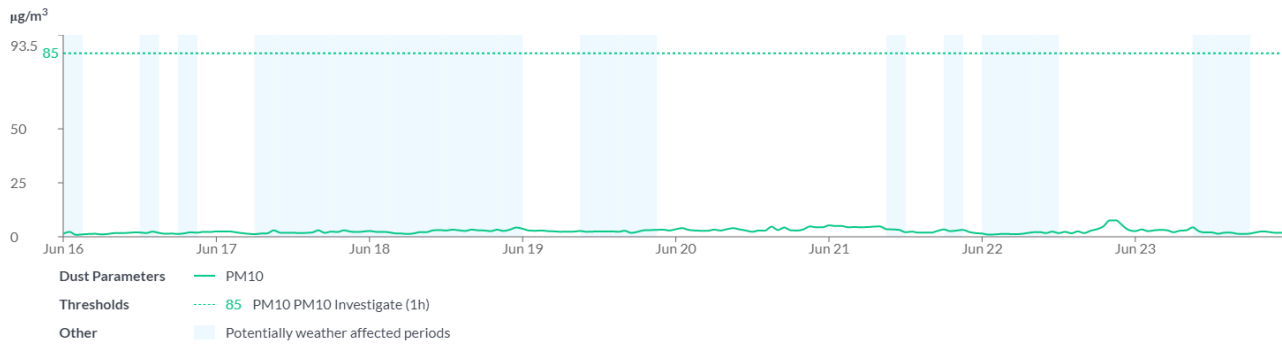
**Gatehouse, Moore Park Road**

Jun 9 2022 - Jun 15 2022



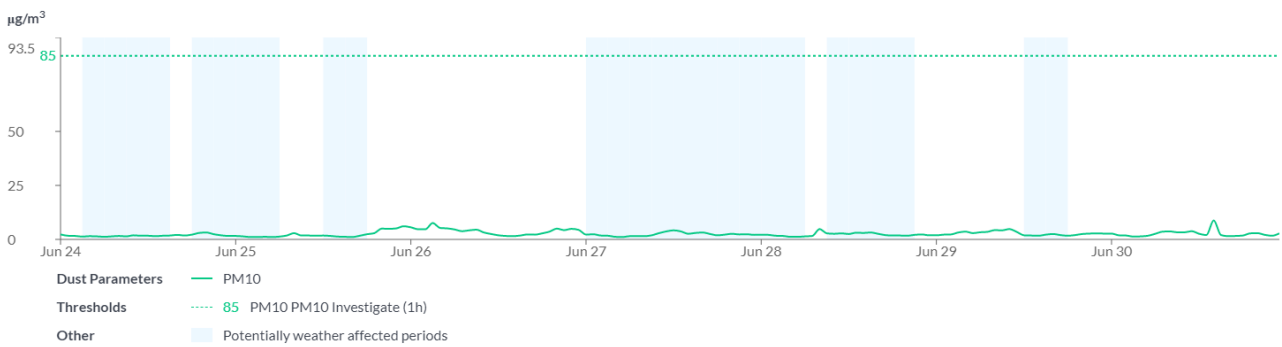
**Gatehouse, Moore Park Road**

Jun 16 2022 - Jun 23 2022



**Gatehouse, Moore Park Road**

Jun 24 2022 - Jun 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

Dust deposition monitoring was not undertaken for the month of June as all bulk earthwork and piling activities have been completed. In situ monitors were still in place.

## 3 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	
20/6/22	14:30	1 (north)	10.62	7.64	0.20	24.8	8.62	0.12	No evidence of overland flow or impacts from SFS project activities.
20/6/22	14:32	2 (mid)	10.71	7.52	0.19	22.6	8.54	0.12	No evidence of overland flow or impacts from SFS project activities.
20/6/22	14:34	3 (south)	10.72	7.41	0.19	47.2	9.23	0.10	No evidence of overland flow or impacts from SFS project activities. Plant detritus covering surface