

Sydney Football Stadium Redevelopment Stage 2 Environmental Monitoring Summary – May 2020

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1 Vibration Monitoring

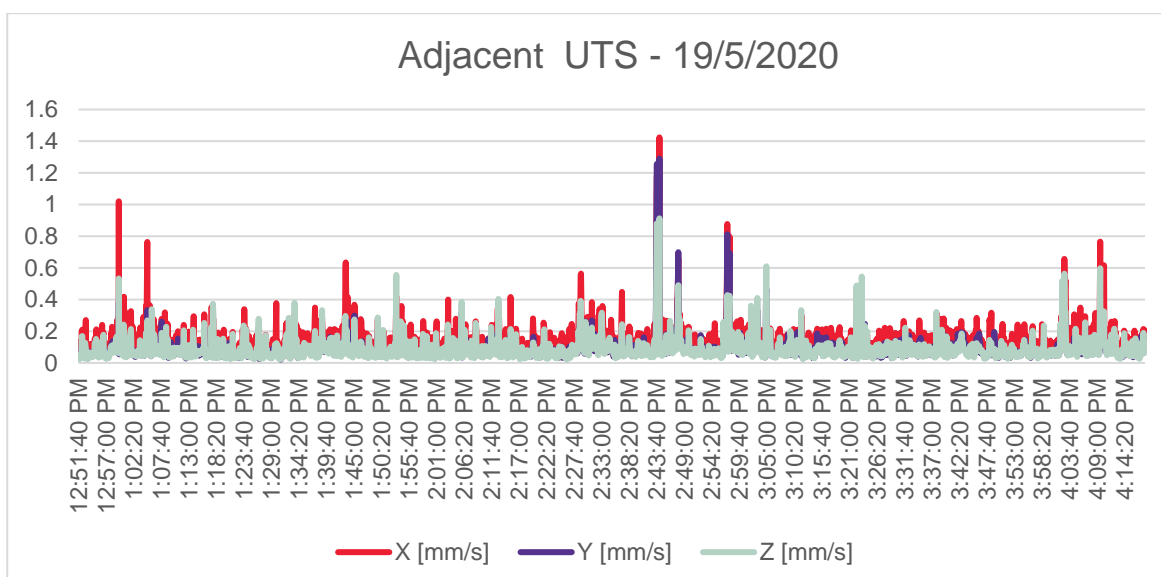
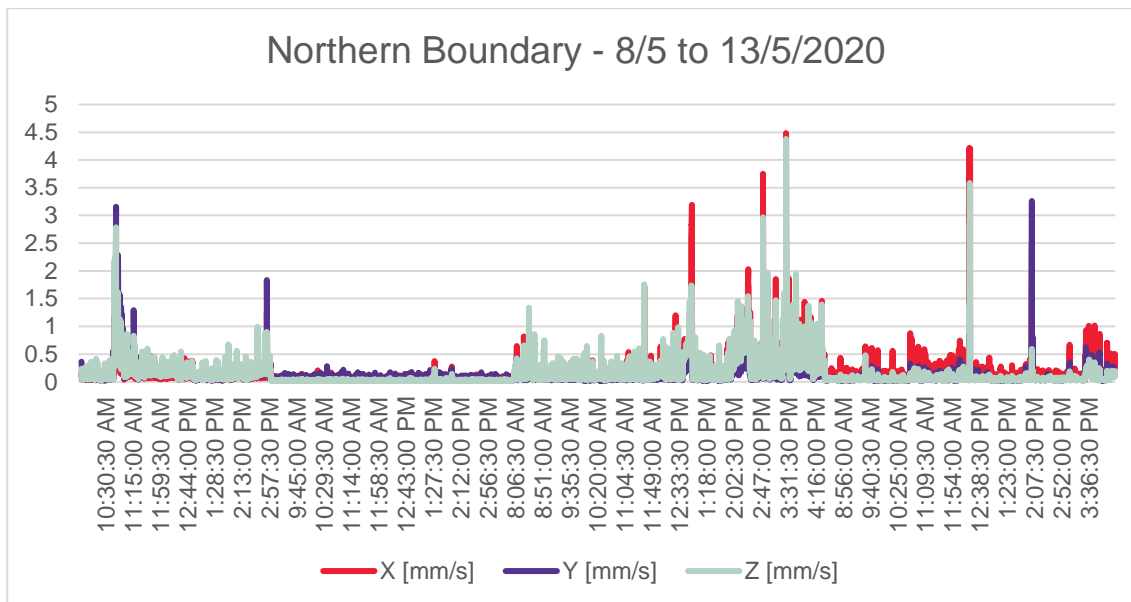
1.1 Real time monitoring

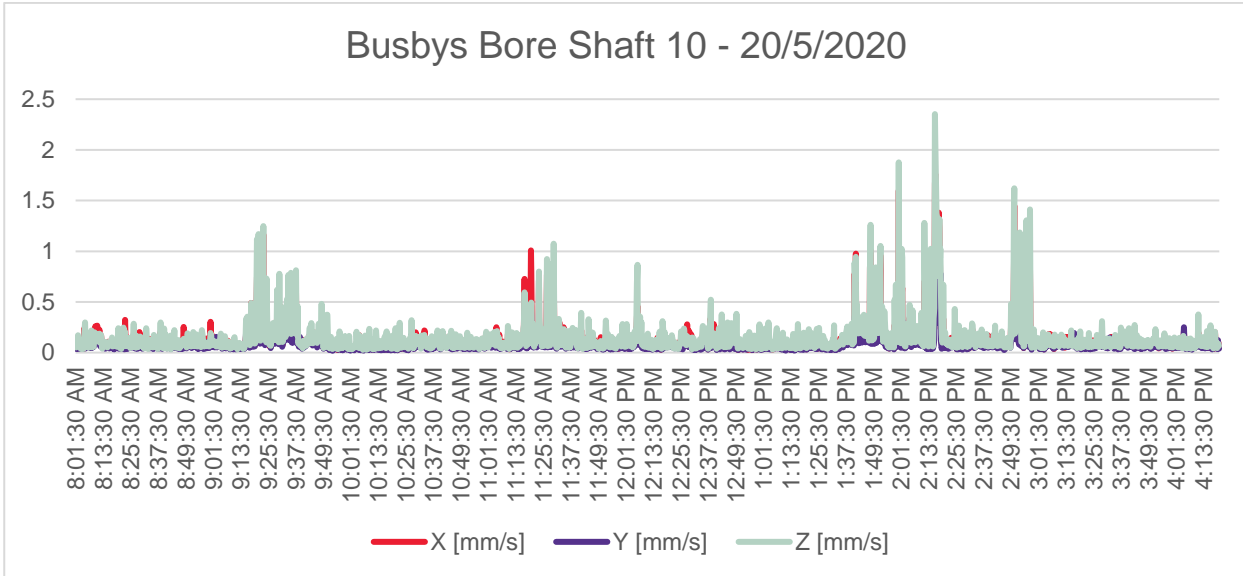
1.1.1 Results

Real time vibration monitoring is conducted in 3 locations

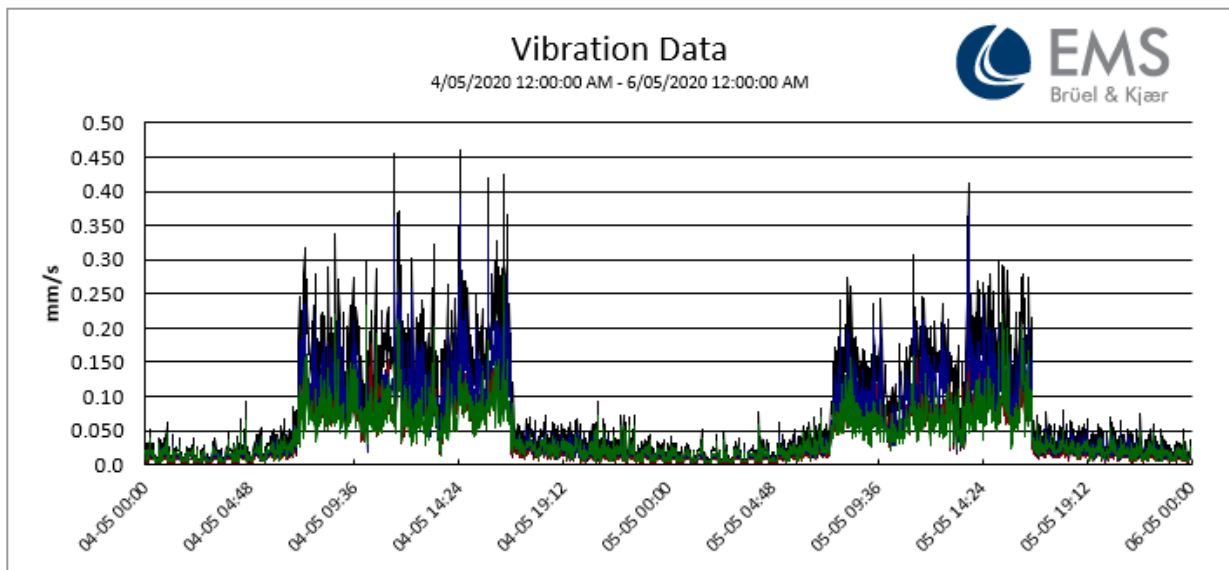
- Busbys Bore – Criteria of 5mm/s
- SCG Members Stand – Criteria of 3mm/s
- South Eastern Boundary adjacent to Fox Studios – adopted criteria of 7.5mm/s

Technical issues were experienced during the month which has resulted in some data not being available. Vibration loggers were used instead when works were being undertaken nearby to the Busbys Bore shafts and at locations on the boundary of the work site.





SCG Data



1.1.2 Discussion

Results were compliant with the relevant criteria during the period.

1.2 Attended Monitoring

The vibration loggers were periodically checked during the works to compare readings against the activities.

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

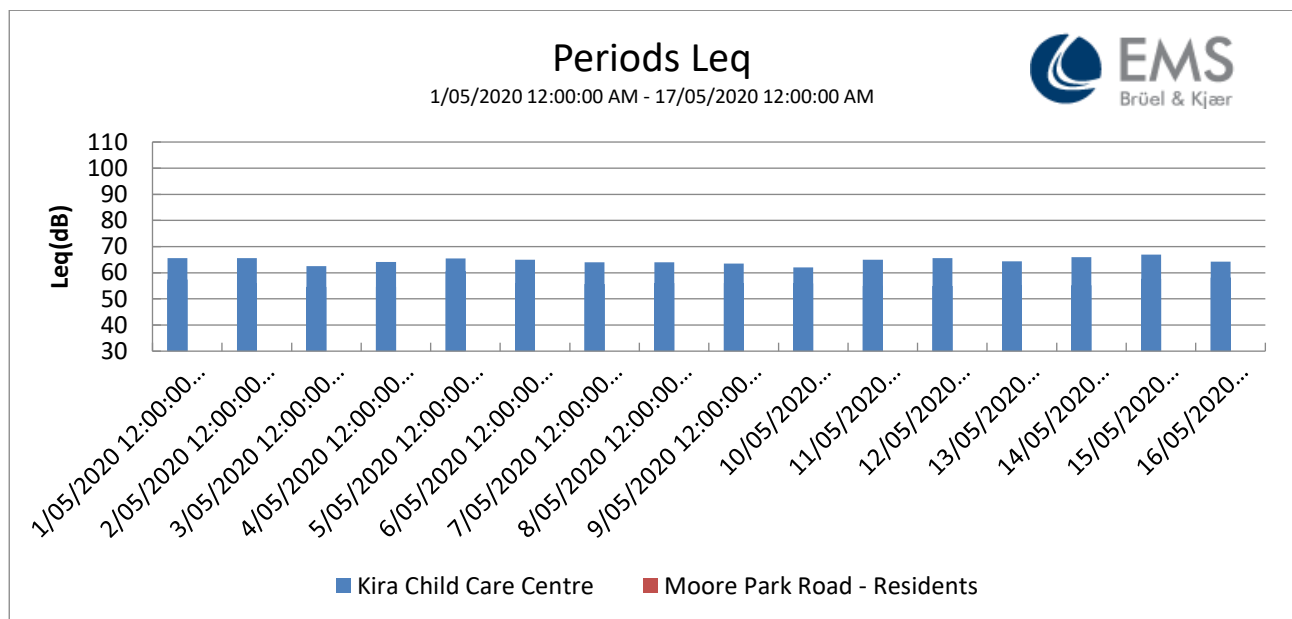
The adopted criteria is as per the conditions of the Development Consent below:

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



2.1.2 Discussion

Works were compliant with the criteria. As noted above, there were some technical issues during the period.

2.2 Attended Monitoring

Attended monitoring was carried out at 4 locations as below

Date	Time	Location	Predicted Laeq(15)	Result (Laeq)	Comment
20/5/2020	14:05	E5	75	65.4	Compliant
23/3/20	14:35	C1	74	72	Compliant – extraneous noise from SCG delivery vehicle
23/3/20	15:10	CC2	73	70.4	Compliant – heavy traffic and SFS works were not audible
23/3/20	15:30	R6	78	70.2	Compliant – heavy traffic and SFS works were not audible

3 Dust Monitoring

3.1 Real Time Monitoring

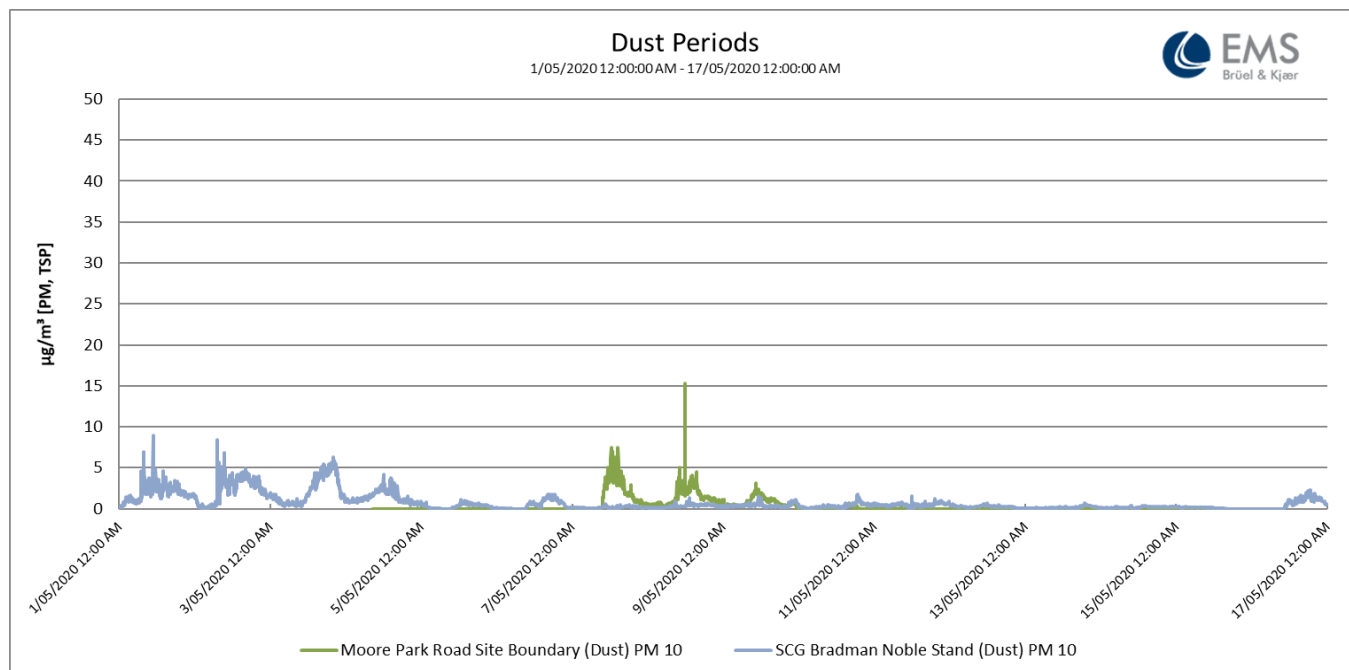
2 Real time dust monitors are installed on the site

- North eastern boundary near Moore Park Road
- South east boundary near Fox Studios

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



3.1.2 Discussion

The were no exceedances of the trigger levels.

3.2 Dust Deposition Monitoring

Results still pending from the laboratory. To be reported next month.

4 Water Quality Monitoring

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

Date	Time	Location	Temp	pH	EC	NTU	DO	TDS	Comment
			(c)		mS/cm		Mg/L	g/L	
20/5/2020	1100	1 (north)	16.56	6.34	0.28	20.2	4.06	0.18	No evidence of overland flow or impacts from SFs project
20/5/2020	1110	2 (mid)	16.29	6.34	0.19	21.7	5.11	0.12	No evidence of overland flow or impacts from SFs project
20/5/2020	1120	3 (south)	17.95	6.44	0.19	62.10	3.86	0.13	No evidence of overland flow or impacts from SFs

										project. Visible scumm on surface from stormwater pipe.
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