

May 2024

Summary

This report is designed to satisfy the requirements outlined within the SSD and communicated to the Department Environmental Representative (ER).

Qanstruct utilises live monitoring for collection of noise and dust levels throughout construction with the data presented directly generated from the relevant period. This information is routinely validated against criteria outlined within the approved Construction Environmental Management Plan.

The construction activities that took place over the period are as follows:

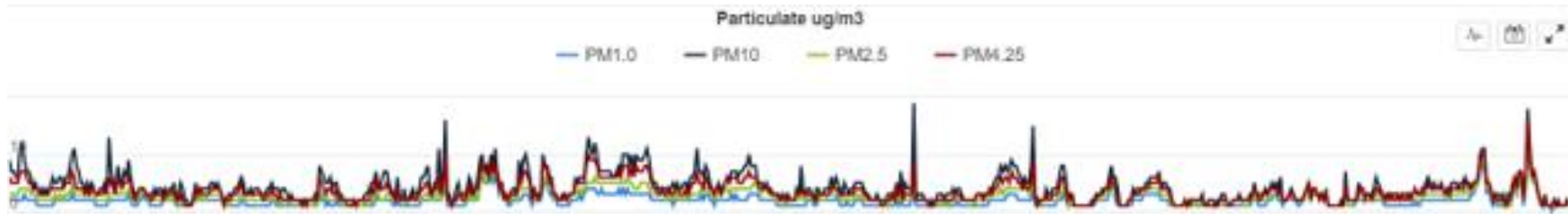
- *Finalise stormwater installation works along North, South and Eastern elevation.*
- *Completion of Internal Concrete pours*
- *External Concrete Pours*
- *Pour ground floor slab to Main office*
- *Awning Rection*
- *Continue Cladding warehouse and laying of warehouse roof.*
- *Installation of Roof to Awnings.*
- *Carpark Preparation*
- *Fit out to Dock office 1 and 2.*
- *Cladding works to office*
- *Window Installation to Office*
- *Hydraulic high level and rough in*
- *Workshop steel and walls*
- *External pad prep*
- *Inground Sewer and Water.*
- *Installation of Water tanks at Pump Room 1*
- *Installation of Pumps, Water and Fire.*
- *Sprinkler install to last quarter of Warehouse.*
- *Electrical fit off lights to warehouse.*

Qanstruct has continued to facilitate ongoing monthly EC compliance walks and fortnightly ER inspections with any remedial actions closed out in the required timeframes.

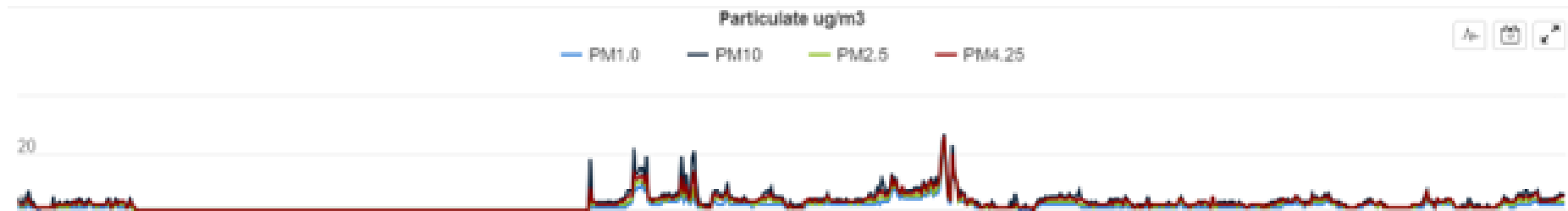
Nil non-compliances have been noted during the reporting period and all works were conducted in accordance with hours listed within current consent.

Dust Monitoring Extract

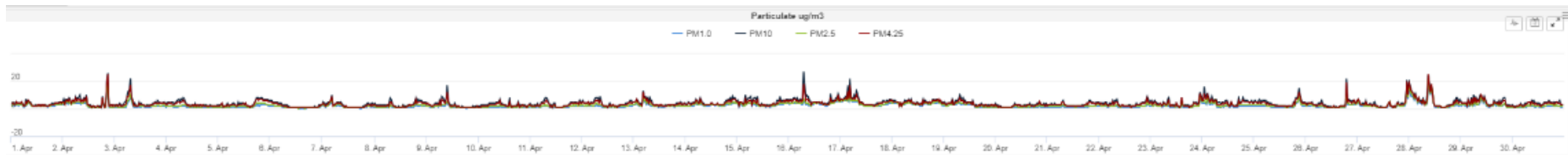
Feburary



March



April



CEMP Criteria

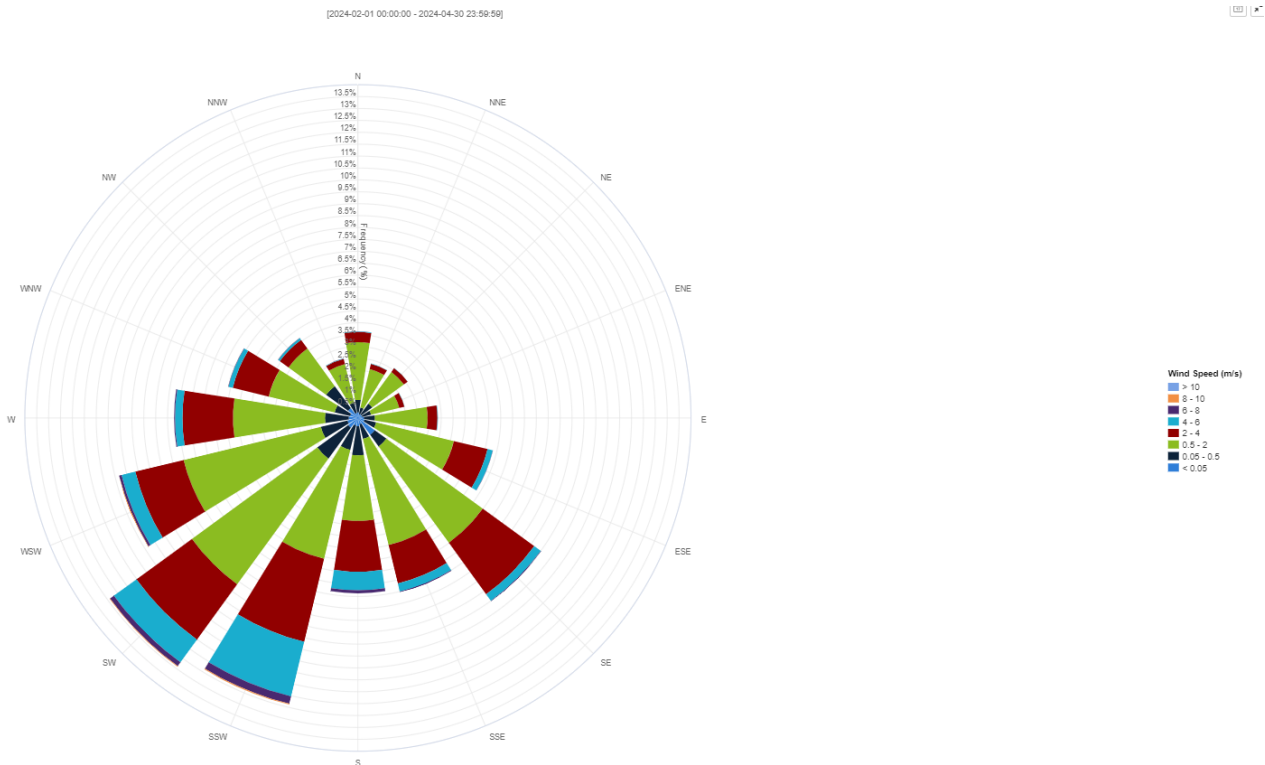
Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
Visible dust leaving the site	Trigger	Daily inspections show that there is no visible dust leaving the site.	Daily inspections show that there is visible dust leaving the site.	Daily inspections show that there is visible dust leaving the site multiple times during a day OR from multiple locations within the site.
	Response	Continue monitoring program as normal.	Review and investigate construction activities and respective control measures. Where appropriate, implement additional remedial measures, such as: <ul style="list-style-type: none"> Deployment of additional water sprays, water trucks etc 	Undertake an investigation of the dust generating activities, and if necessary, temporarily halt the dust generating activities
Dust deposition reading of >4g/m ² /month	Trigger	Dust deposition rates are less than 4 g/m ² /month at all the dust gauges.	Dust deposition rate greater than 4 g/m ² /month is recorded by any of the dust gauges	Dust deposition rates greater than 4 g/m ² /month are recorded by two or more dust gauges for two months in a row.

Guidance Notes:

During high wind period and ongoing construction activities, Qanstruct had no dust exceedances over the reporting period. This is reflective of the table shown below extracted from the CEMP.

Pollutant	Averaging Period	Assessment Criteria
		($\mu\text{g}/\text{m}^3$)
Particulate matter (PM_{10})	24-hours	50
	Annual	25
Particulate matter ($\text{PM}_{2.5}$)	24-hours	25
	Annual	8
Pollutant	Averaging Period	Assessment Criteria
		($\text{g}/\text{m}^2/\text{month}$)
Deposited dust	Annual	2 (maximum increase in deposited dust level)
		4 (maximum total deposited dust level)

Below is a summary chart of wind direction over the reporting period

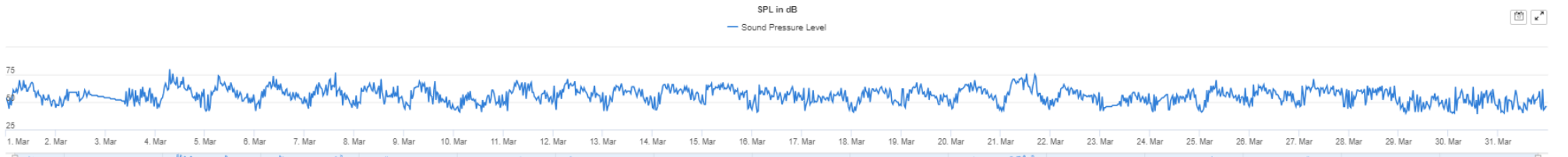


Noise Monitoring Extract

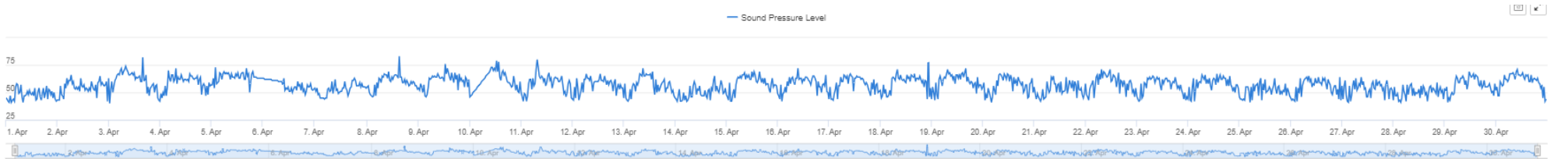
February



March



April



CEMP Criteria

Key Element	Trigger / Response	Condition Green	Condition Amber	Condition Red
Noise impacts at sensitive receiver locations	Trigger	LAeq(15minute) noise levels do not exceed applicable NMLs	LAeq(15minute) noise levels exceed applicable NMLs	LAeq(15minute) noise levels exceed Highly Noise Affected criteria (75 dBA)
	Response	On-going best practice management measures to minimise noise emissions	Undertake all feasible and reasonable mitigation and management measures to minimise noise impacts (aiming to achieve NMLs)	Works exceeding the Highly Noise Affected criteria will be managed in accordance with the strategies for high-noise generating works determined through community consultation, as detailed in Section 7.1 and 7.2 .

Guidance Notes:

Over the reporting period, 3 minor exceedance (>75dB) was recorded. The reading was generated from unloading of materials and Concrete Boom Pump. The works were stopped and unloading of materials was relocated away from the sensors and the Concrete Boom Pump was placed further away from the sensors to continue the concrete pour. It was deemed that no exceedances would be leaving the site boundary as the alarm was 4-6dB over limits. The equipment was functioning as attended.

No other instances were observed as a breach of compliance in terms of impact on sensitive receivers, as per the table below;

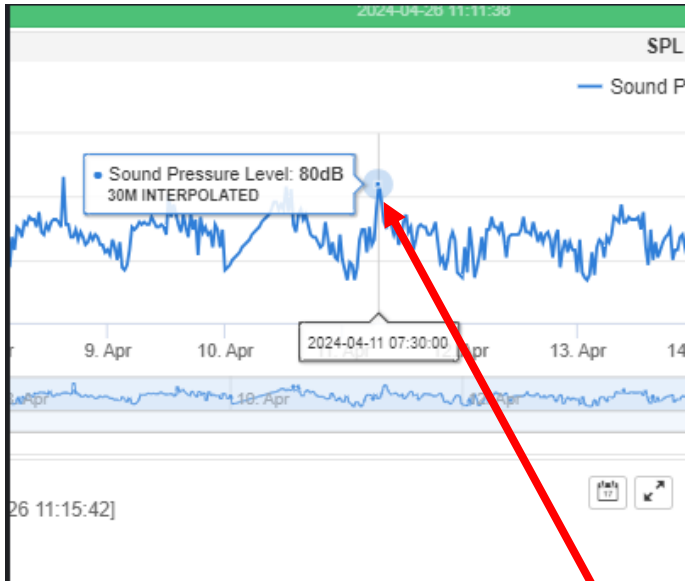
Receiver Type	NCA	Representative Noise Monitoring Location	NML (LAeq(15minute) – dBA)				Sleep Disturbance Screening Level (LAmax dBA)
			Standard Construction Hours (RBL+10dB)	Out of Hours ⁴ (RBL+5dB)			
			Daytime	Daytime ³	Evening	Night-time	Night-time
Residential	NCA01	L01	49	44	44	37	52
Residential	NCA02	L02	45	40	38	37	52
Residential	NCA03	L03	45 ¹	40	38	35	52
833, 859, 885 Mamre Rd	NCA04	AL2	59	54	47	39	52
845 Mamre Rd		AL3	54	49	43	35 ¹	52
All other NCA04 Residential		L04	49	44	44 ²	37	52
Educational	NCA01	n/a	55	55 (when in use)			-
Commercial	Various	n/a	70	70 (when in use)			-

Note 1: RBL increased to the minimum RBL specified in the NPfl.

Note 2: Where the evening RBL is higher than the daytime RBL, the daytime RBL has been used.

Note 3: Daytime out of hours is 7 am to 8 am and 1 pm to 6 pm on Saturday, and 8 am to 6 pm on Sunday and public holidays.

Note 4: In accordance with Condition D41, works will be undertaken during standard daytime construction hours. Where out of hours works are required and are approved under Condition D42, the out of hours NMLs apply.



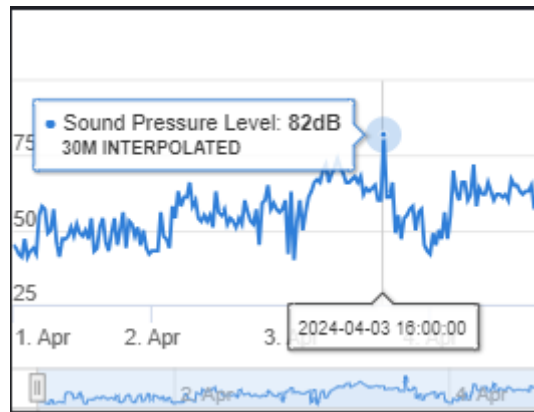
Unloading Materials

Sensor



Mobile Plant

Sensor



Screenshot of captured works involved in the time logged. Unidentified Exceedance.