

Noise, Vibration, Air & Water Quality Report / August 2026

Executive Summary

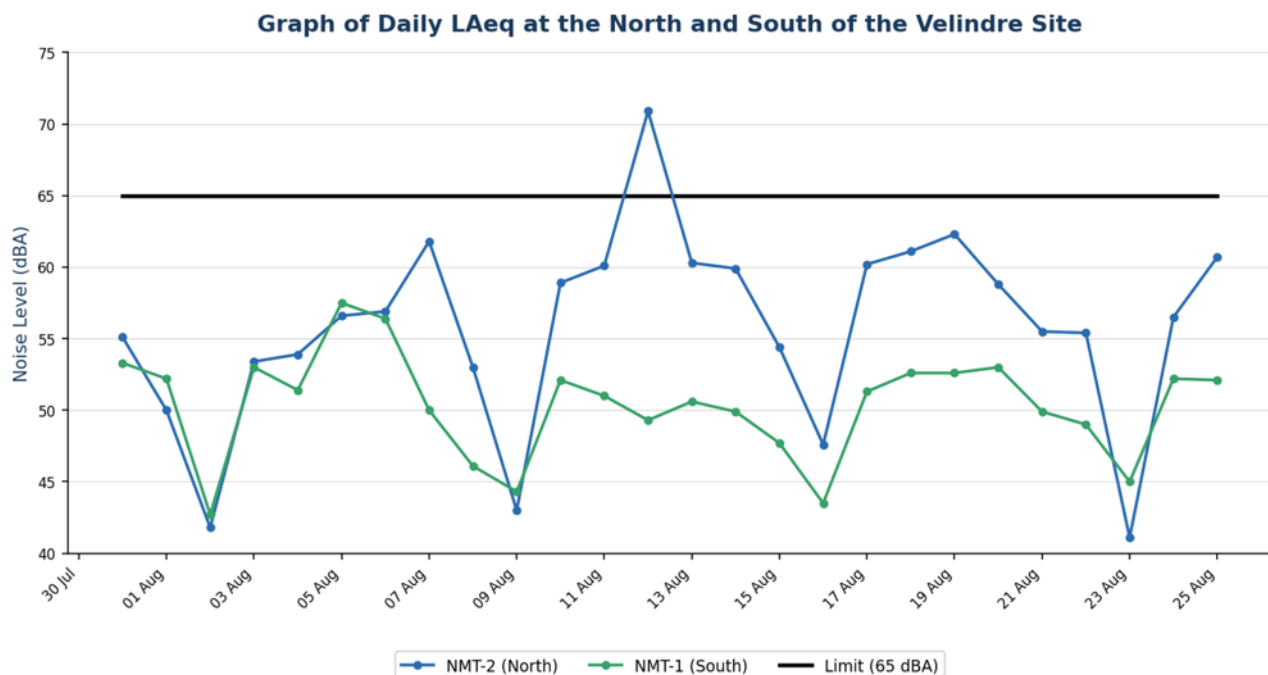
Noise, vibration and air quality data is generated by onsite internal monitors, administered by Acoustic1, located in the North and South of the site. An additional vibration monitor offsite is located at the Whitchurch Hospital Chapel.

Water quality data of the attenuation pond is measured using a handheld pH monitoring device on a weekly inspection basis.

	Layout	Period	Data Type	Threshold Values	Work Hours
Noise	One graph of both CUBE Units	Daily averages	L _{eq}	65dB	8am-6pm
Vibration	Two graphs, on site and off site (church)	Hourly averages	mm/s	3mm/s	8am-6pm
Air Quality	One graph of both KUNAK Units	Hourly averages	PM10	190µg/m ³	8am-6pm

Location	CUBE	ORION	KUNAK
South Monitoring Point	CUBE 11119 (NMT-2)	ORION (VMT-2)	K-B3 SOUTH
North Monitoring Point	CUBE 10695 (NMT-1)	ORION (VMT-1)	K-B3 NORTH
Church	N/A	ORION (VMT-3)	N/A

Noise



It was recommended in the Environmental Strategy (ES – produced by Walters) to limit noise on site to 70dB(A). Sacyr has set a soft limit of 65dB(A); anything surpassing this limit requires investigation, though mitigation measures need to be in place for anything over the hard limit of 70dB(A).

The reporting period covers 31/07/26 – 25/08/26.

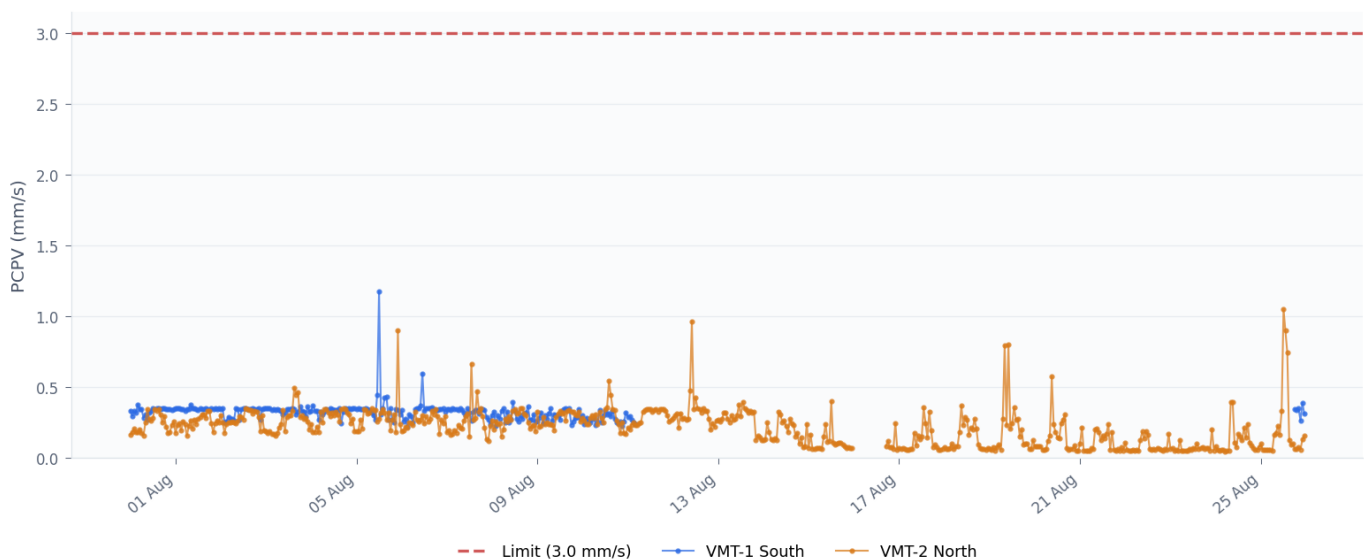
One noise exceedance was recorded during this period on the North Monitor on 12/08/26.

Investigation determined that the exceedance was attributable to temporary intake works being undertaken in close proximity to the monitor between 08:00 – 18:00. Works involved the operation of heavy plant and excavations immediately adjacent to the monitoring location. The exceedance was not considered representative of general site activities. This conclusion is supported by the noise levels recorded at the Southern Monitoring Station on the same day, which remained within the expected range and showed no corresponding increase in sound levels.

Vibration

No limit on vibration has yet been set between Sacyr and Cardiff Council. However, a provisional limit has been set as vibrations measuring 1.00mm/s or more, lasting for longer than an hour.

Hourly Peak PCPV — On-Site Monitoring Points

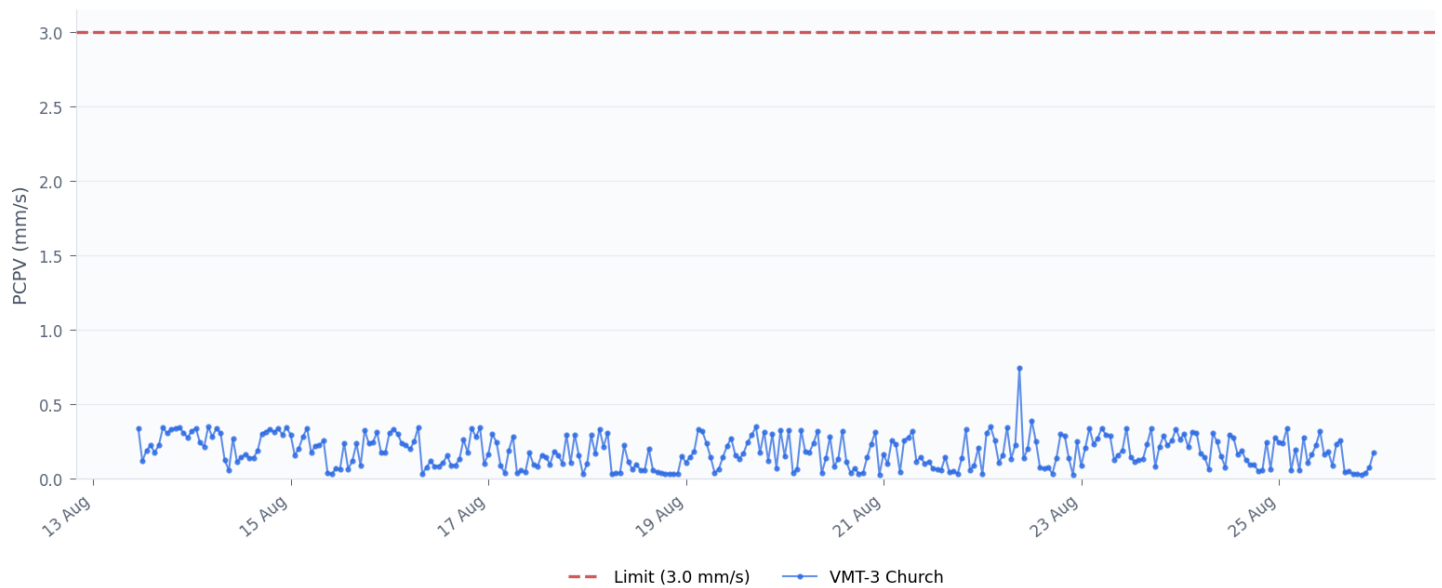


Vibration data, recorded on the South monitor, marginally exceeded the 1.00mm/s on 05/08/26 due to slab installation works in close proximity to the monitor.

Vibration data recorded on the North monitor, marginally exceeded the 1.00mm/s limit on 25/08/26 due to nearby excavation works.

In both cases, breaches were short lived and are not representative of wider general site activity, as evidenced by lower readings on the opposing monitor over the same period.

Hourly Peak PCPV — Church Monitoring Point

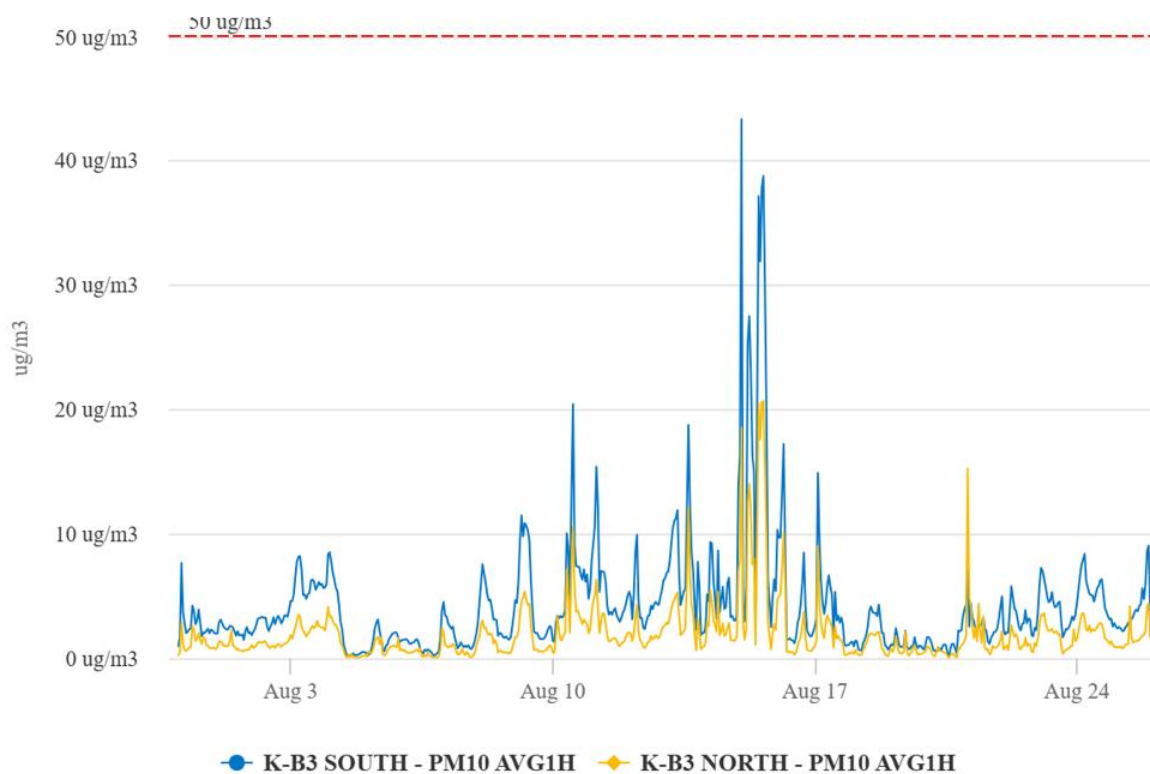


Connection was restored to the Chapel monitoring station as of 13/08/26.

No vibration data recorded exceeded the 1.00mm/s limit at Church monitoring station for the period 13/08/26 – 25/08/26

Air Quality

Internal air quality monitors measure 'Particulate Matter' PM1, PM2.5 and PM10. These refer to the size (microns) of the particulates, with PM10 being the largest. Limits on PM10 must not exceed 40µg/m³ on an annual average and no more than 35 instances per year of 50µg/m³ daily average.



There were no exceedances on PM10 recorded.

The mean average for hourly recordings of PM10 (31/07/26 – 25/08/26) are as follows:

South monitoring station PM10 AVG1h (ug/m³) – 4.23µg/m³

North monitoring station PM10 AVG1h (ug/m³) – 1.97µg/m³

Water Quality

Date	Time	Water Level (cm)	Level Status	Equipment Used	Weather Conditions	Action Taken
8/6/2026	10:30am	0	N/A	N/A	Sunny	None (No discharges)
8/14/2026	15:00pm	0	N/A	N/A	Sunny	None (No discharges)
8/21/2026	13:00pm	0	N/A	N/A	Sunny	None (No discharges)
8/28/2026	13:00pm	0	N/A	N/A	Overcast	None (No discharges)

The nVCC site features drainage systems to manage water onsite which is directed to an attenuation pond. The pH of the water in the attenuation is monitored on a weekly basis. A pH range is set by Dwr Cymru Welsh Water with a lower limit of pH6 and upper limit of pH11.

No lower or upper exceedances recorded in weekly measurements for August 2026.