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

Executive Summary

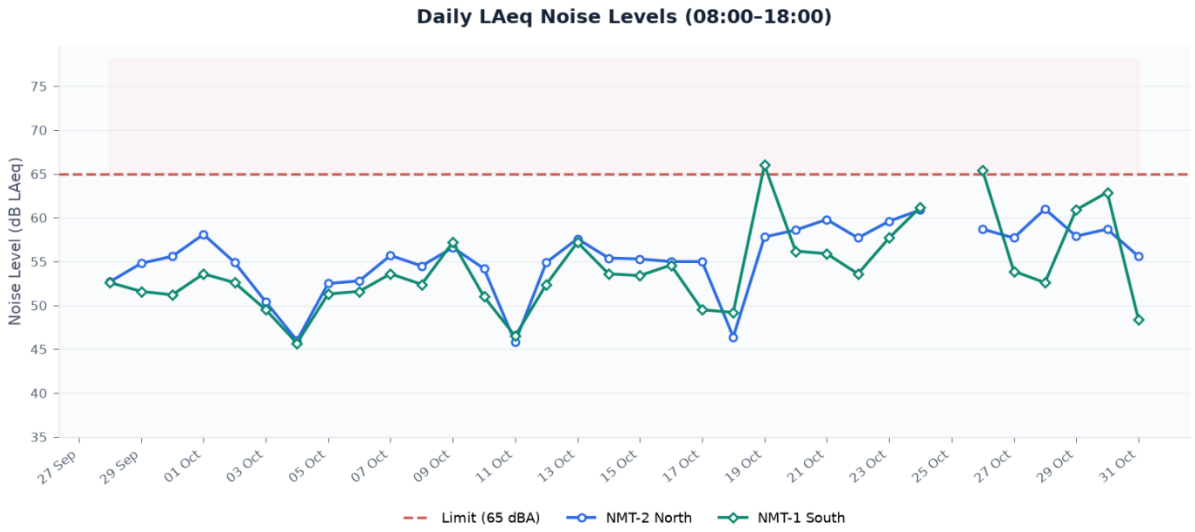
Noise, vibration and air quality data is generated by onsite internal monitors, administered by Acoustic1, located in the North and South of the site. An additional vibration monitor offsite is located at the Whitchurch Hospital Chapel.

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	Leq	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



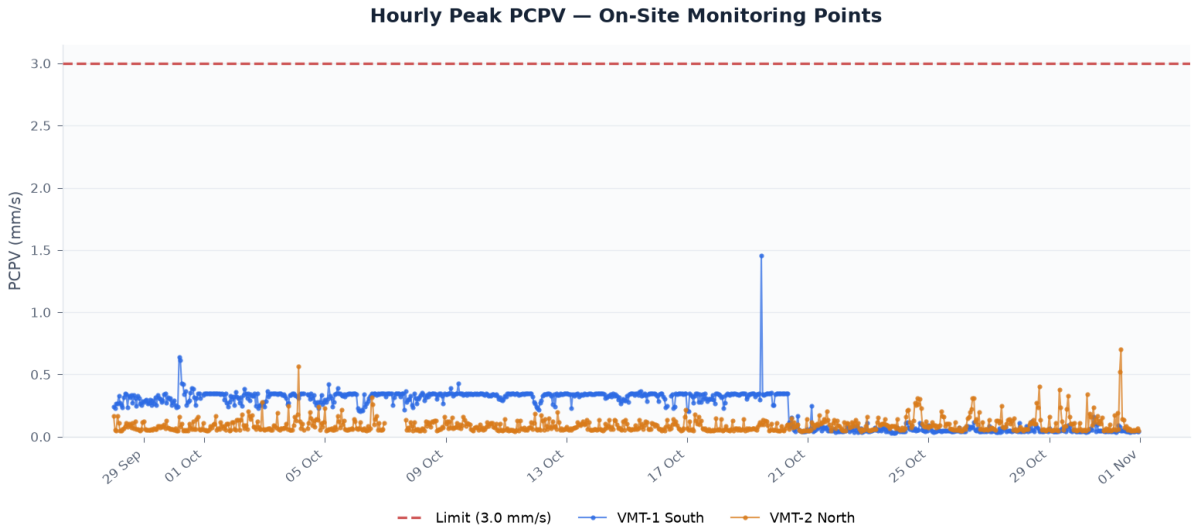
It was recommended in the Environmental Strategy (ES – produced by Walters) to limit noise on site to 70dB(A). Sacyr has set a soft limit of 65dB(A); anything surpassing this limit requires investigation, though mitigation measures need to be in place for anything over the hard limit of 70dB(A).

The reporting period covers 28/09/26 – 31/10/26

Two exceedances were recorded during the monitoring period, both attributed to scheduled, licensed vegetation clearance to enable landscaping along the edges of the site's earthworks. Chainsaws and strimmer's used in close proximity to the southern monitor, causing brief increases in noise levels, rather than wider site activity

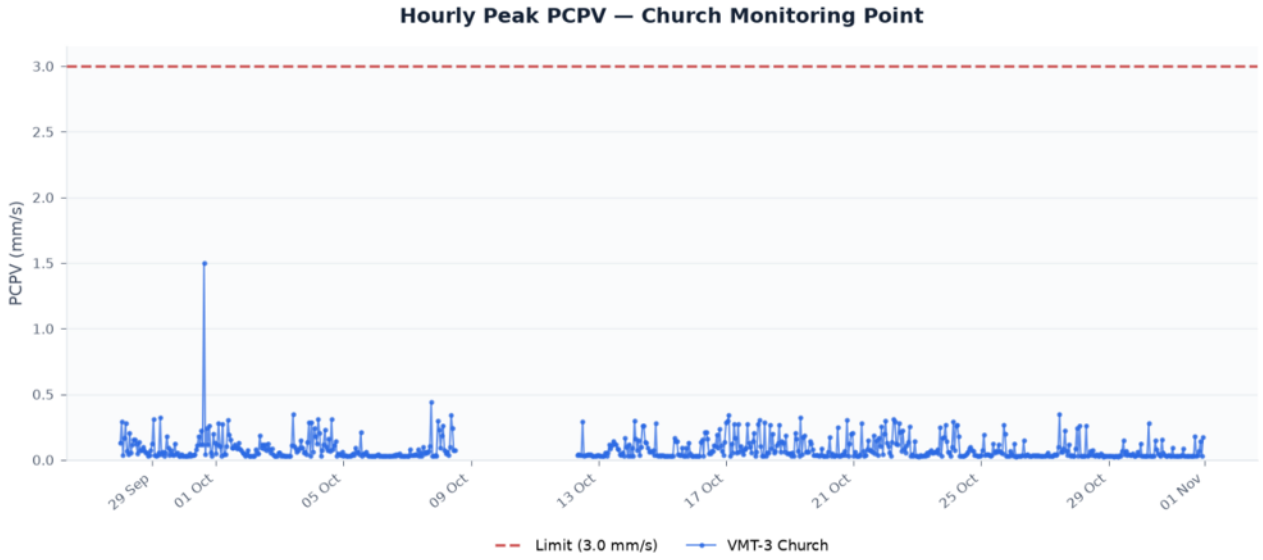
Vibration

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.



The reporting period covers 28/09/26 – 31/10/26

There was one exceedance on the Southern monitor on 19/10/26, which is consistent with the peak in noise level over the same period and attributed to the same vegetation clearance works in close proximity to monitor.

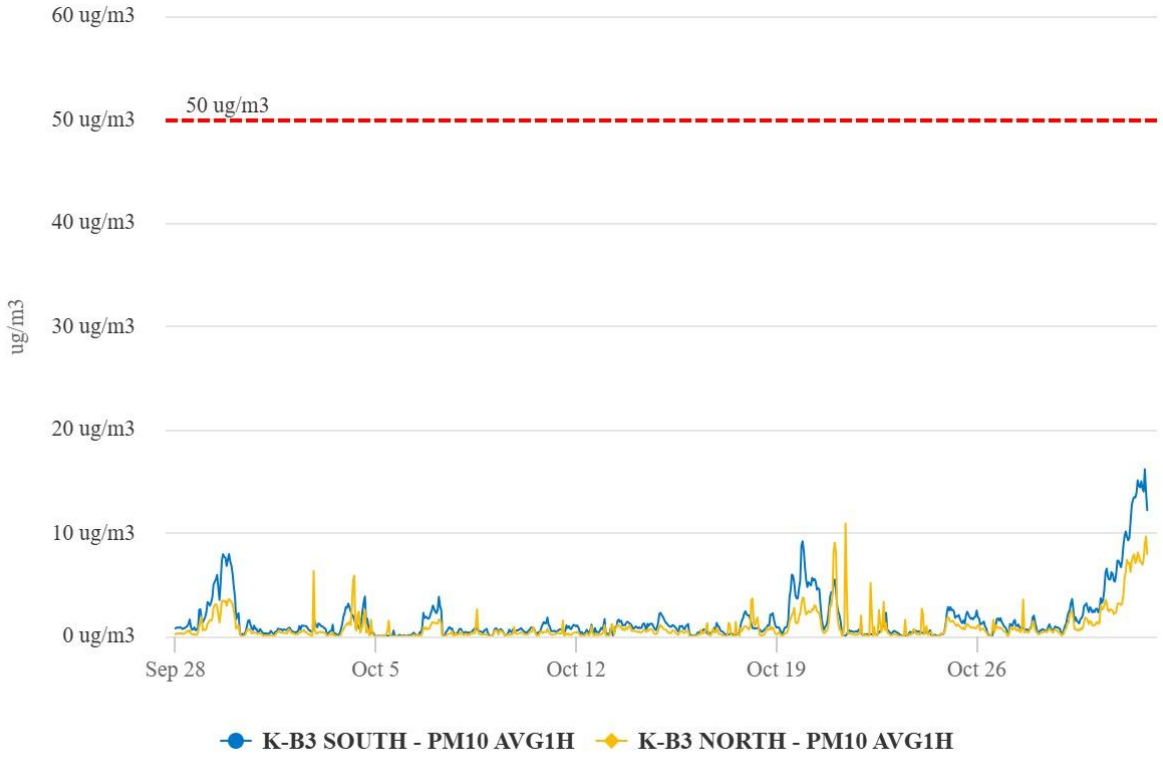


The reporting period covers 28/09/26 – 31/10/26

There was one exceedance recorded on the Church monitor on 30/09/26 at approximately 15:40, Review of raw vibration data suggests the exceedance was a brief isolated event, the characteristics are consistent with a short duration localised vertical impact such as a falling object rather than sustained construction generated vibration.

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 (28/09/26 – 31/10/26) are as follows:

South monitoring station PM10 AVG1h (ug/m3) – 1.61µg/m3

North monitoring station PM10 AVG1h (ug/m3) – 0.95µg/m3

Water Quality

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.

Date	Time	Water Level (cm)	Level Status	Equipment Used	Weather Conditions	Action Taken
10/9/2026	15:00pm	0	N/A	N/A	Partial cloud	None (No discharges)
10/21/2026	15:45pm	0	N/A	N/A	Partial cloud	None (No discharges)
10/28/2026	09:00am	0	N/A	N/A	Partial cloud	None (No discharges)
11/2/2026	10:30am	0	N/A	N/A	Partial cloud	None (No discharges)

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