Vibration Overview 17.–19. November

Borehole works at Jaðarsbraut, Akranes | 17 Nov 00:00 – 19 Nov 08:00 2026

Client	Veitur / Verkís
Sensor	VSEW mk4 (ID 21098) at Jaðarsbraut 37, 34 m from the borehole
Project ID	16558
Prepared by	Baiba Zvigure, Vista – 19 November 2026

Key results

- **Highest value: 1.01 mm/s** (vertical), 18 November at 14:33.
- **Complies with standards:** 20% of the DIN 4150-3 limit for houses (5 mm/s) and well below BS 7385-2 (15 mm/s).
- **Activity:** nine periods of elevated vibration, about 6 hours 50 minutes in total, all in working hours (08:30–17:00). No elevated vibration at night.
- **Battery change:** 18 November around 19:20. Data from 19:15 to 19:30 was removed, as handling the sensor caused artificial peaks.

Vibration 17–19 November

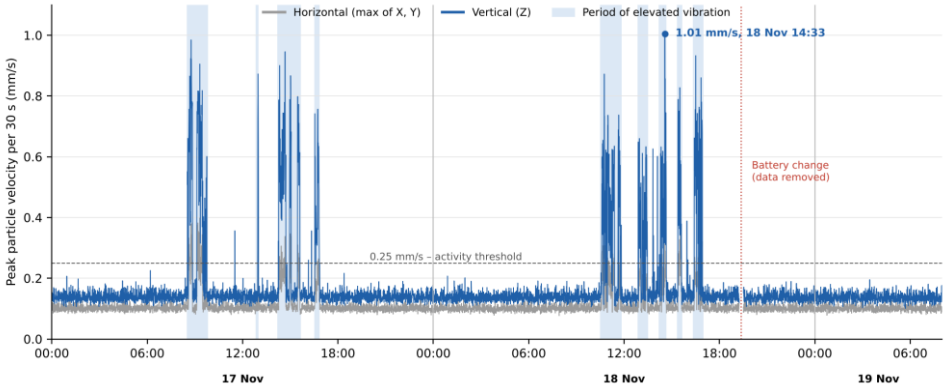


Figure 1. Peak vibration per 30 seconds, vertical (Z) and horizontal (X, Y). Shaded areas: periods of elevated vibration. Background level: 0.14 mm/s vertical.

Period	Duration	Vertical peak (mm/s)	Horizontal peak (mm/s)
17 Nov 08:30 – 09:50	1 h 20 min	0.98	0.40
17 Nov 12:50 – 13:00	10 min	0.87	0.40
17 Nov 14:10 – 15:40	1 h 30 min	0.95	0.35
17 Nov 16:30 – 16:50	20 min	0.76	0.26
18 Nov 10:30 – 11:50	1 h 20 min	0.87	0.37
18 Nov 12:50 – 13:30	40 min	0.66	0.27
18 Nov 14:10 – 14:40	30 min	1.01	0.31
18 Nov 15:20 – 15:40	20 min	0.83	0.35
18 Nov 16:20 – 17:00	40 min	0.93	0.37

Table 1. Periods of elevated vibration.

Note

The highest peak, 1.01 mm/s on 18 November reached the level at which BS 5228-2 expects complaints. Most other peaks (0.66–0.98 mm/s) are close to this level.