



Monitoring Report

WMATA Bus Garage Monthly Report

**April 2023**

**Noise Exceedances:**

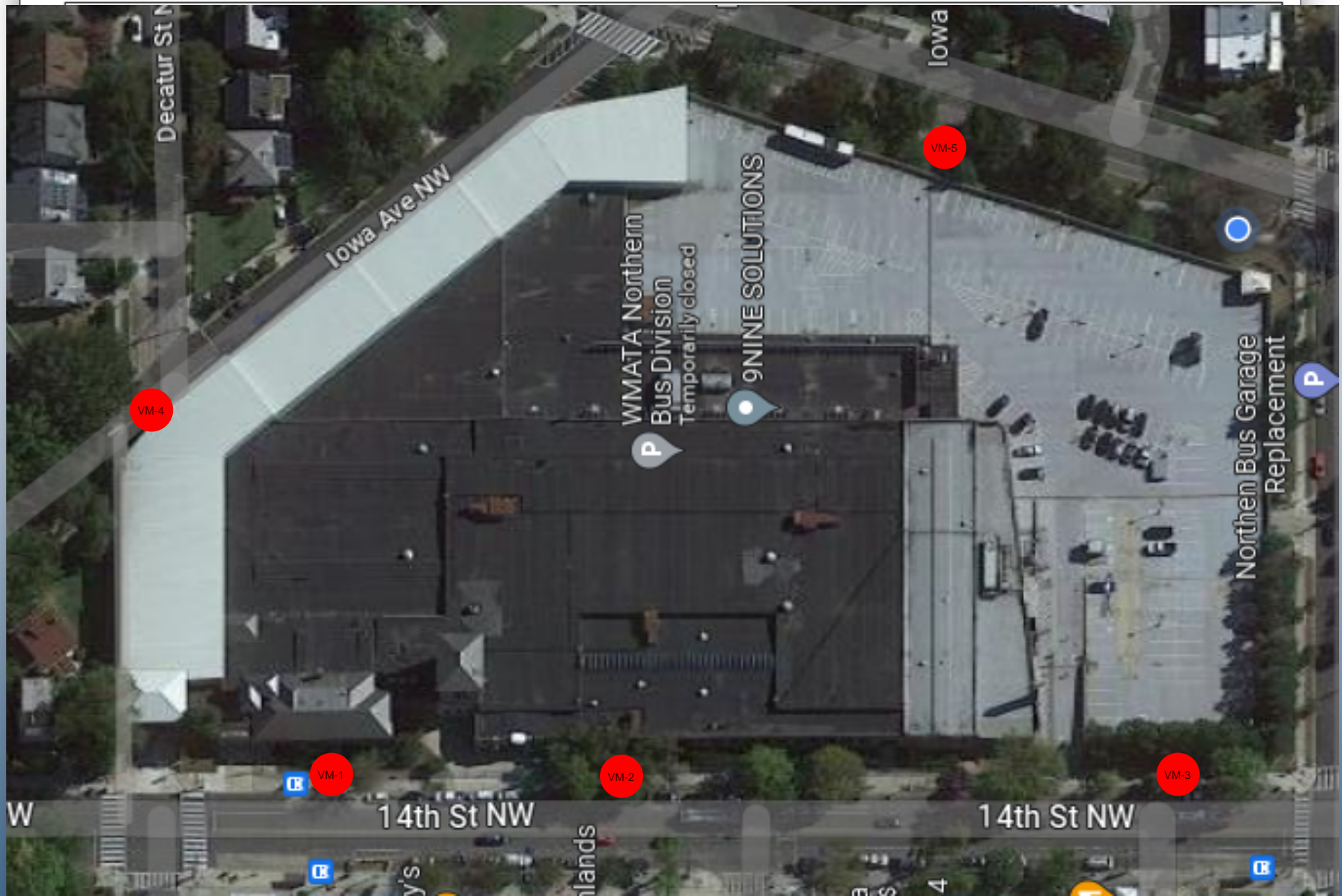
There continues to be numerous noise level exceedances at all hours of the day and all days of the week. Mic1 recorded the highest noise levels of any location which were highest after working hours and on weekends. In addition, Mic1 had 35% of its exceedances outside of working hours. Mic2 had 34% exceedances coming outside of working hours. Mic3 had the had most exceedances with 50% coming outside of working hours. Mic4 recorded only 23% of its exceedances during nights and weekends most likely due to its distance from the city streets. Mic5 had the fewest number of exceedances, however 39% of the exceedances came from outside working hours.

**Vibration Exceedances:**

There were no exceedances this month.

**Air Quality/Dust Monitoring Exceedances:**

There were no exceedances this month.



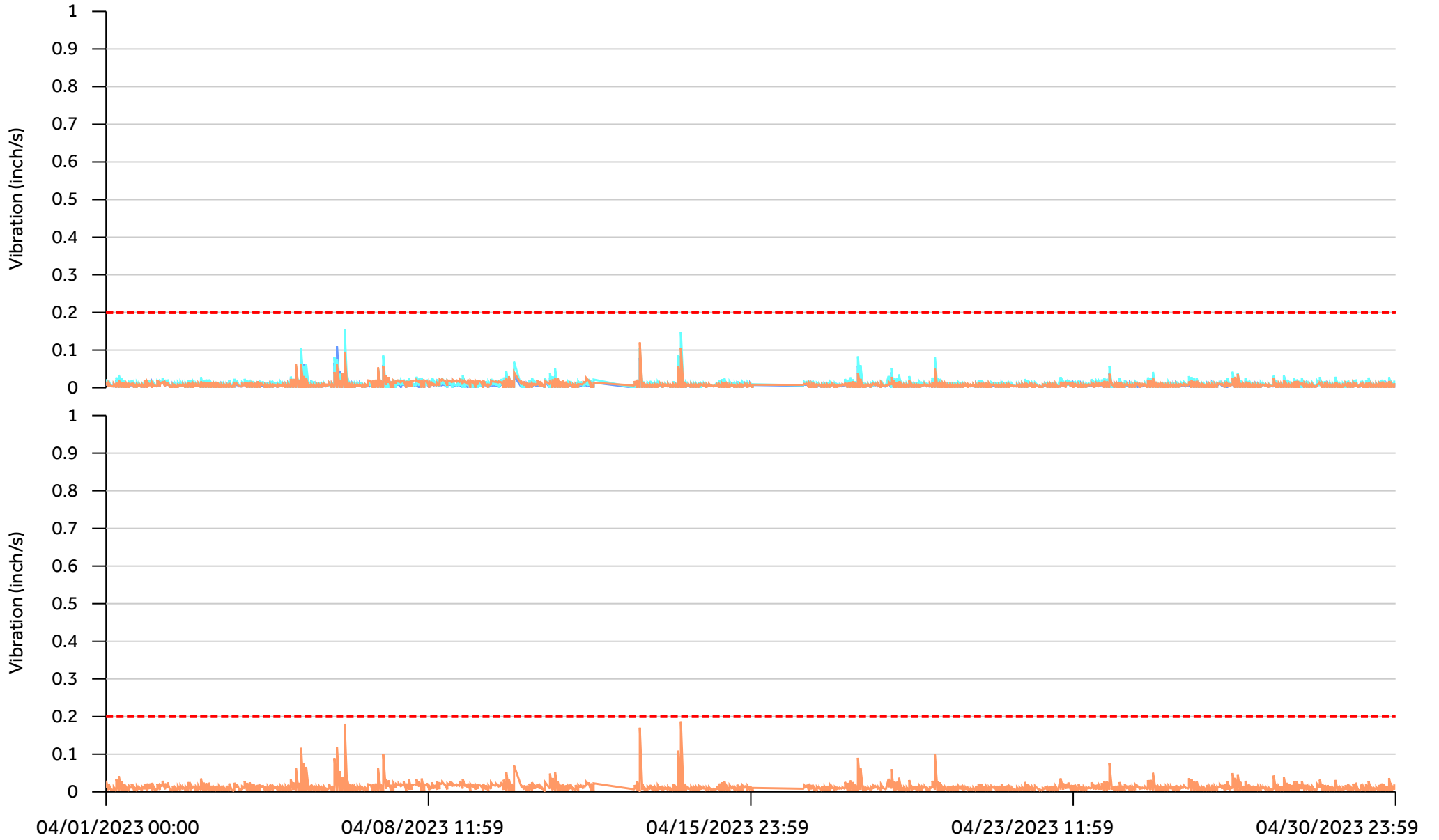
# Air Monitor



VM1-MIC				Work hours	After hours	Weekends
	Exceedance	Percentage	Lmax	111.7	108.4	112.8
Work hours	1926	65.18%	Lmin	46.8	38	38.7
After hours	540	18.27%	L10	101	106	110
Weekends	489	16.55%	L90	89	87	88
Total	2955		Leq	95.9	101	106.1
VM2-MIC				Work hours	After hours	Weekends
	Exceedance	Percentage	Lmax	107.6	107.4	110
Work hours	1879	66.00%	Lmin	46.7	41.7	41.8
After hours	499	17.53%	L10	102	105	100
Weekends	469	16.47%	L90	91	89	88
Total	2847		Leq	96.3	101.3	96
VM3-MIC				Work hours	After hours	Weekends
	Exceedance	Percentage	Lmax	106.7	108.8	102.2
Work hours	668	50.15%	Lmin	41.3	38.6	41.4
After hours	390	29.28%	L10	102	101	100
Weekends	274	20.57%	L90	88	88	85
Total	1332		Leq	95.2	97.5	96.2
VM4-MIC				Work hours	After hours	Weekends
	Exceedance	Percentage	Lmax	107.1	108	99.6
Work hours	587	77.03%	Lmin	36.4	33.7	35.6
After hours	120	15.75%	L10	106	106	91
Weekends	55	7.22%	L90	89	86	78
Total	762		Leq	100.3	100.9	88.2
VM5-MIC				Work hours	After hours	Weekends
	Exceedance	Percentage	Lmax	105.3	105.6	107.3
Work hours	454	61.85%	Lmin	58.8	35.7	36.6
After hours	121	16.49%	L10	101	100	102
Weekends	159	21.66%	L90	84	85	86
Total	734		Leq	96.2	95.2	96.2

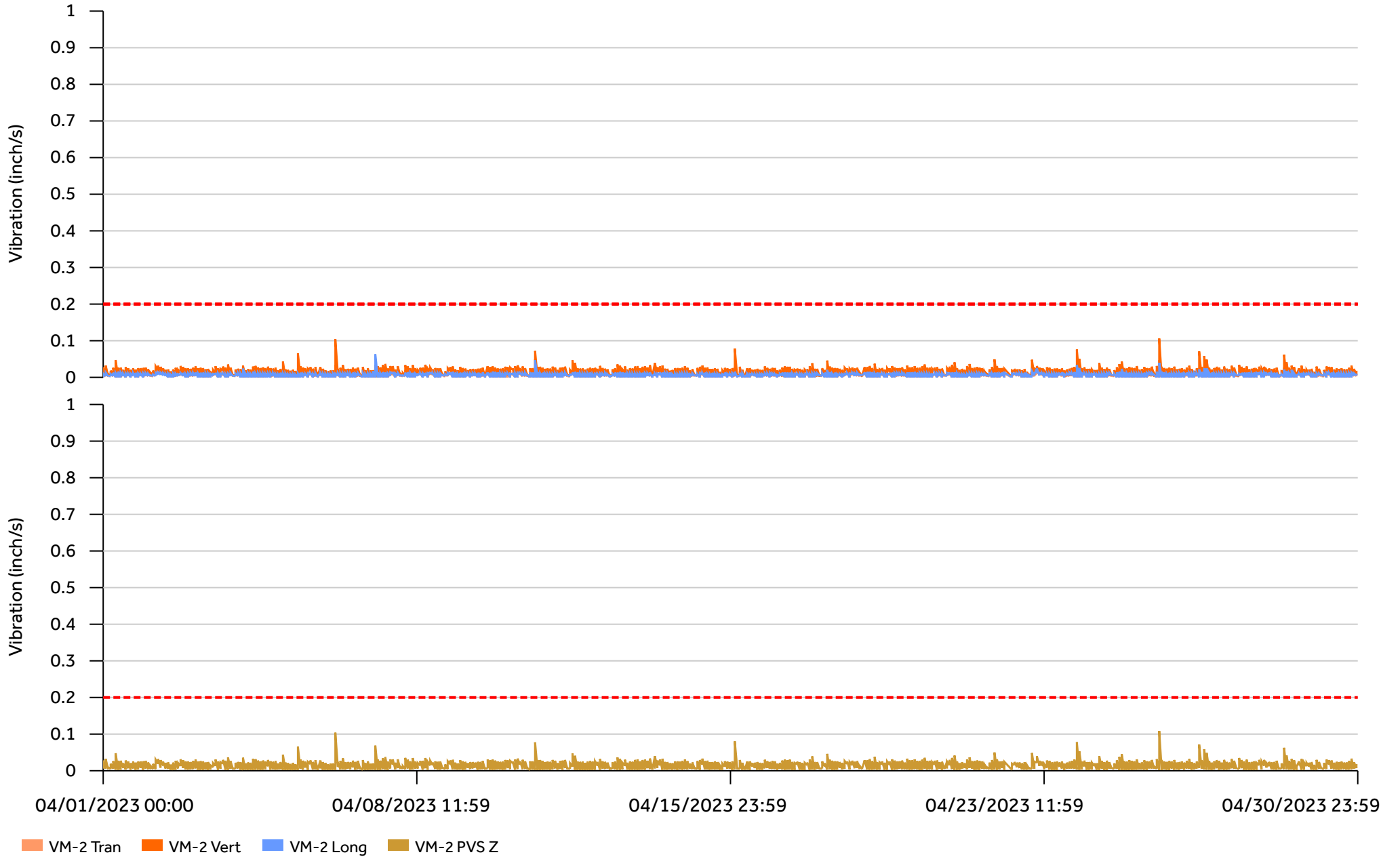


# VM-1- Vibration Monitor

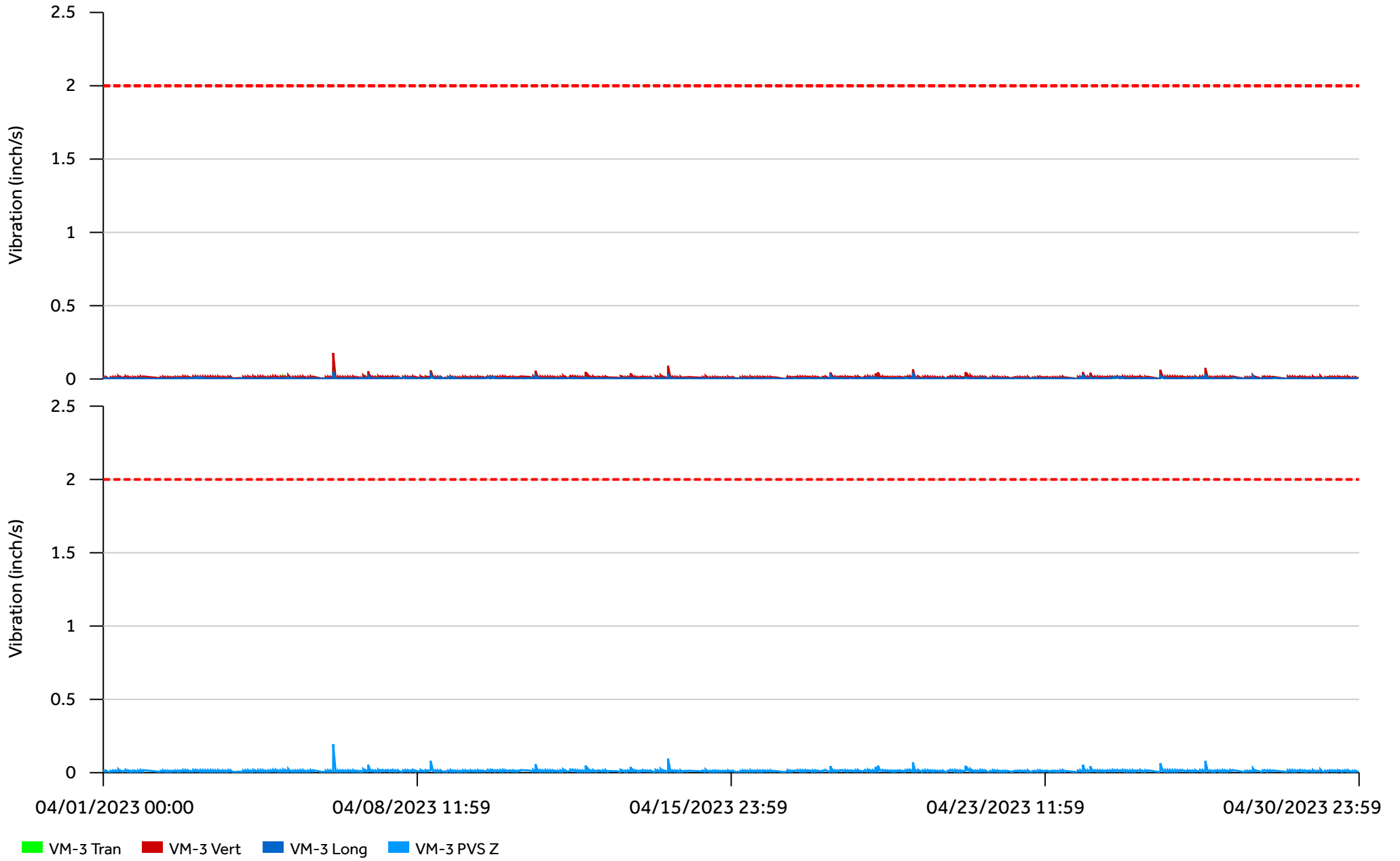


VM-1 Tran VM-1 Vert VM-1 Long VM-1 PVS Z

# VM-2- Vibration Monitor

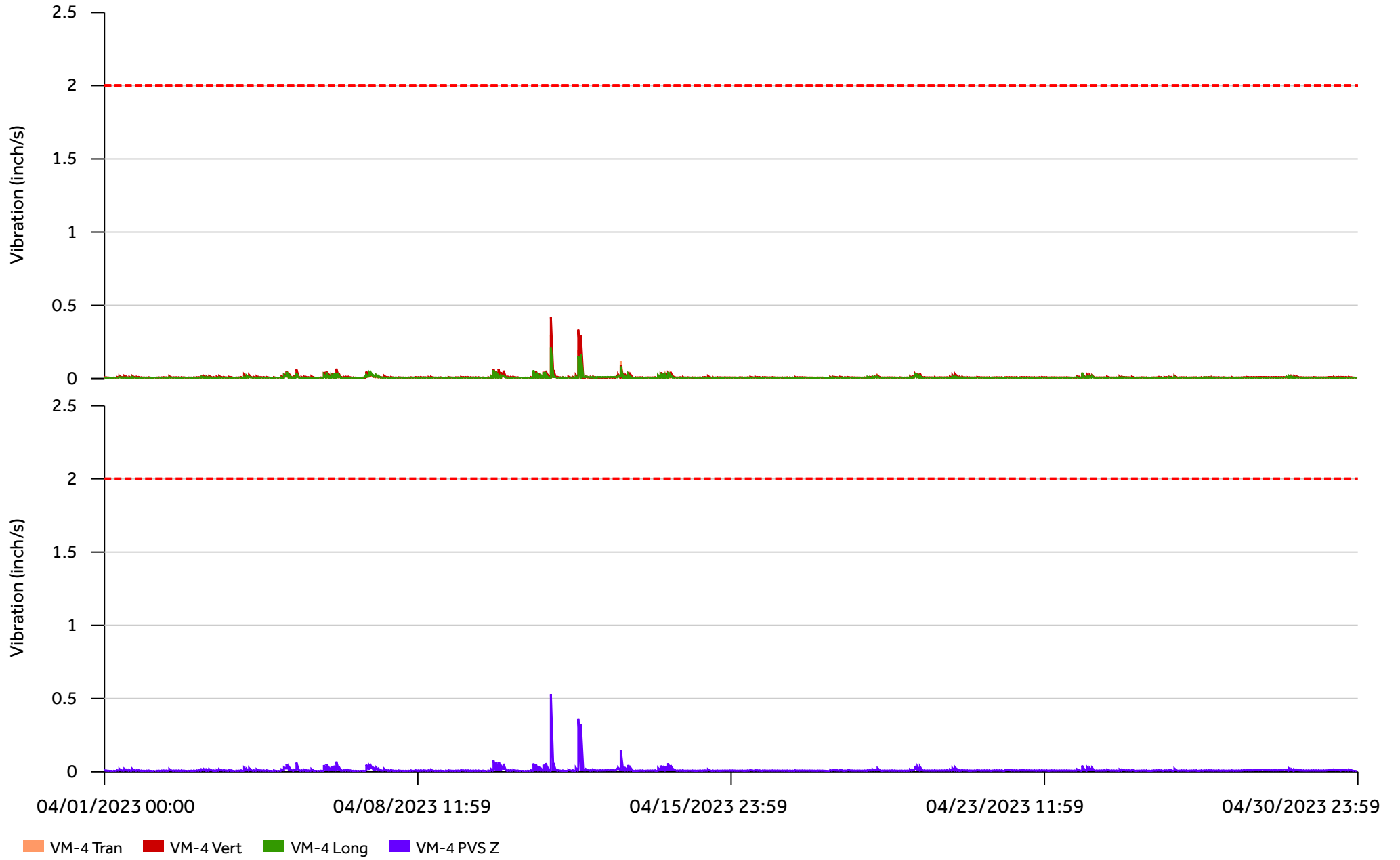


# VM-3- Vibration Monitor

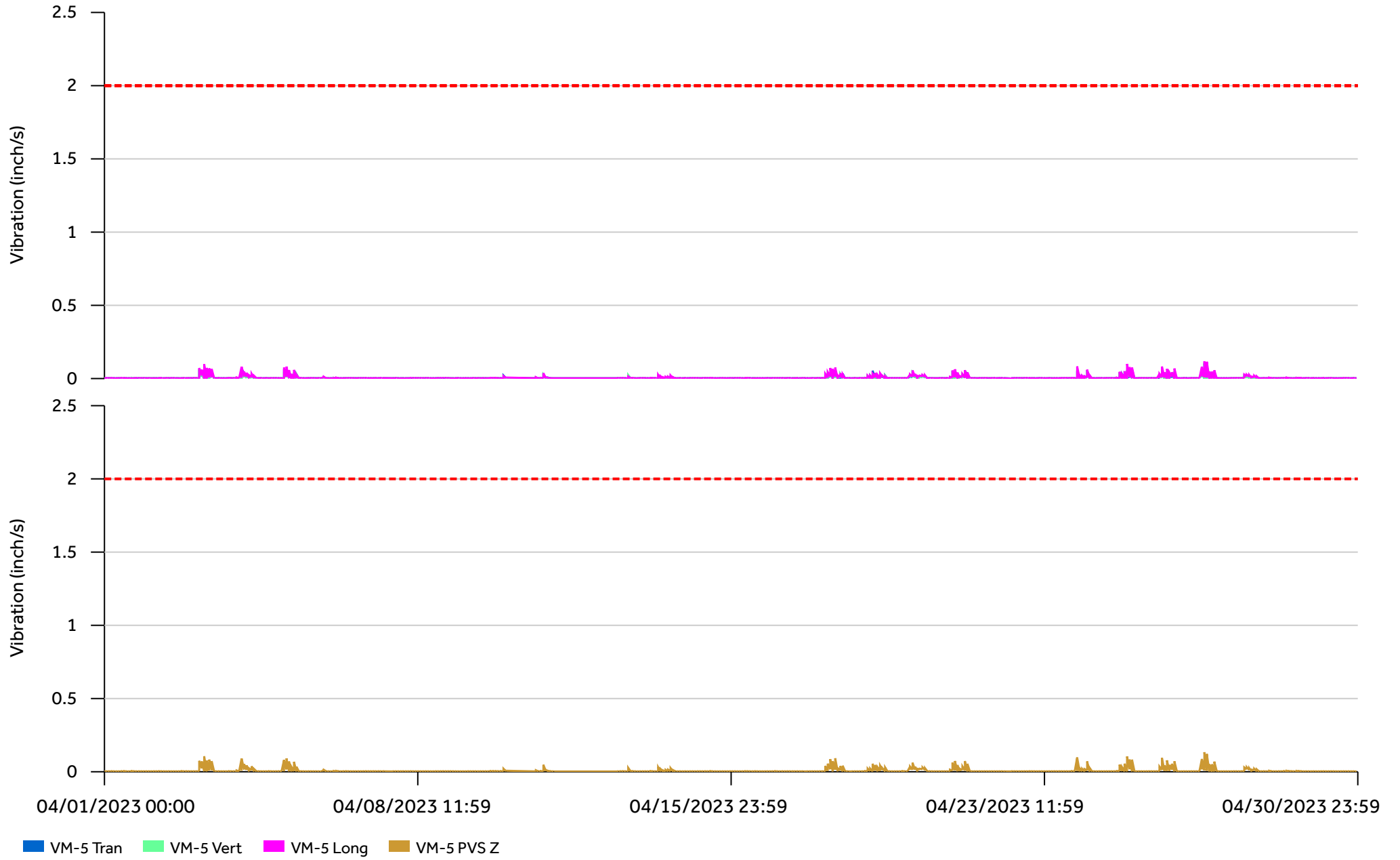




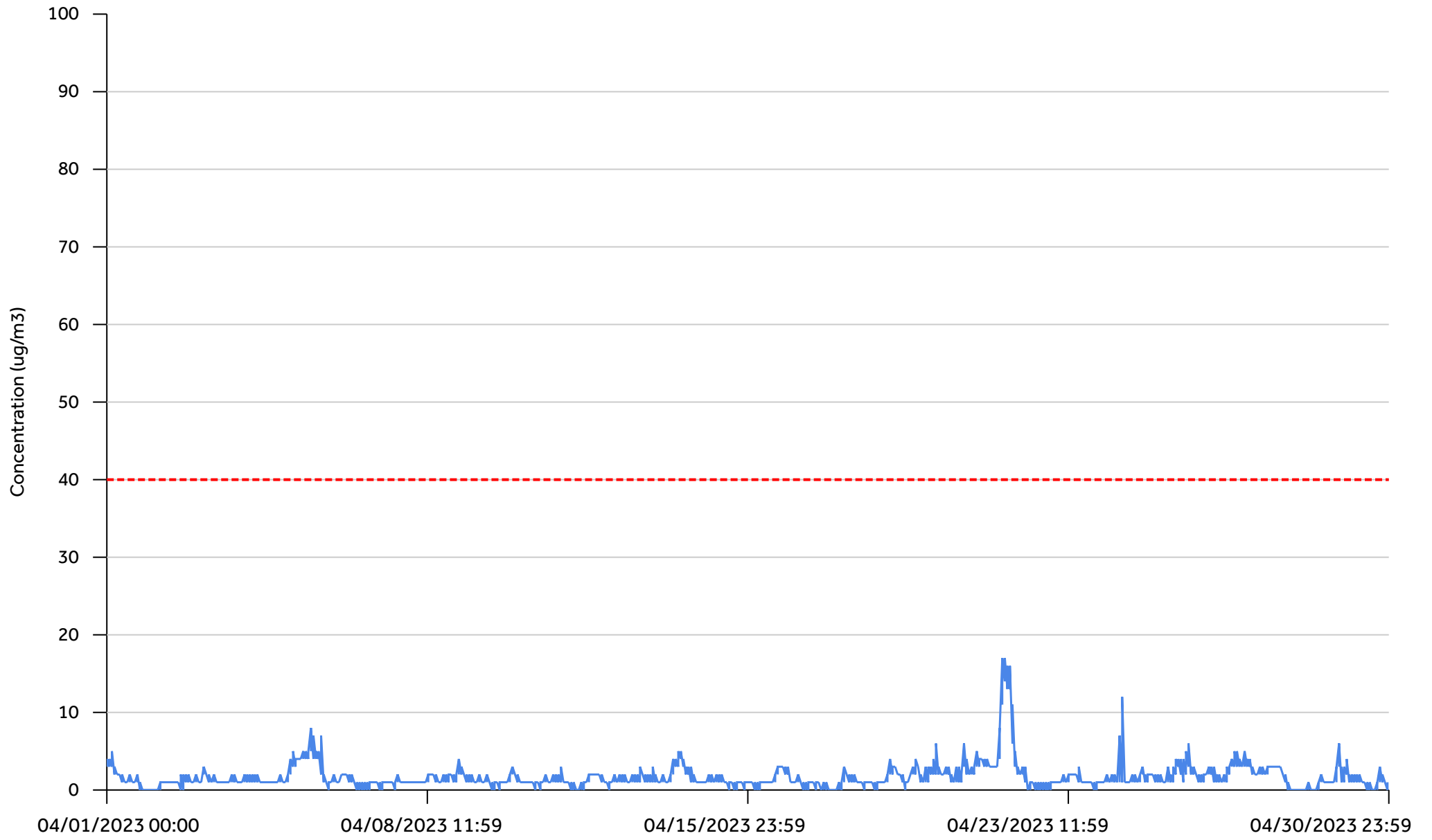
# VM-4- Vibration Monitor



# VM-5- Vibration Monitor

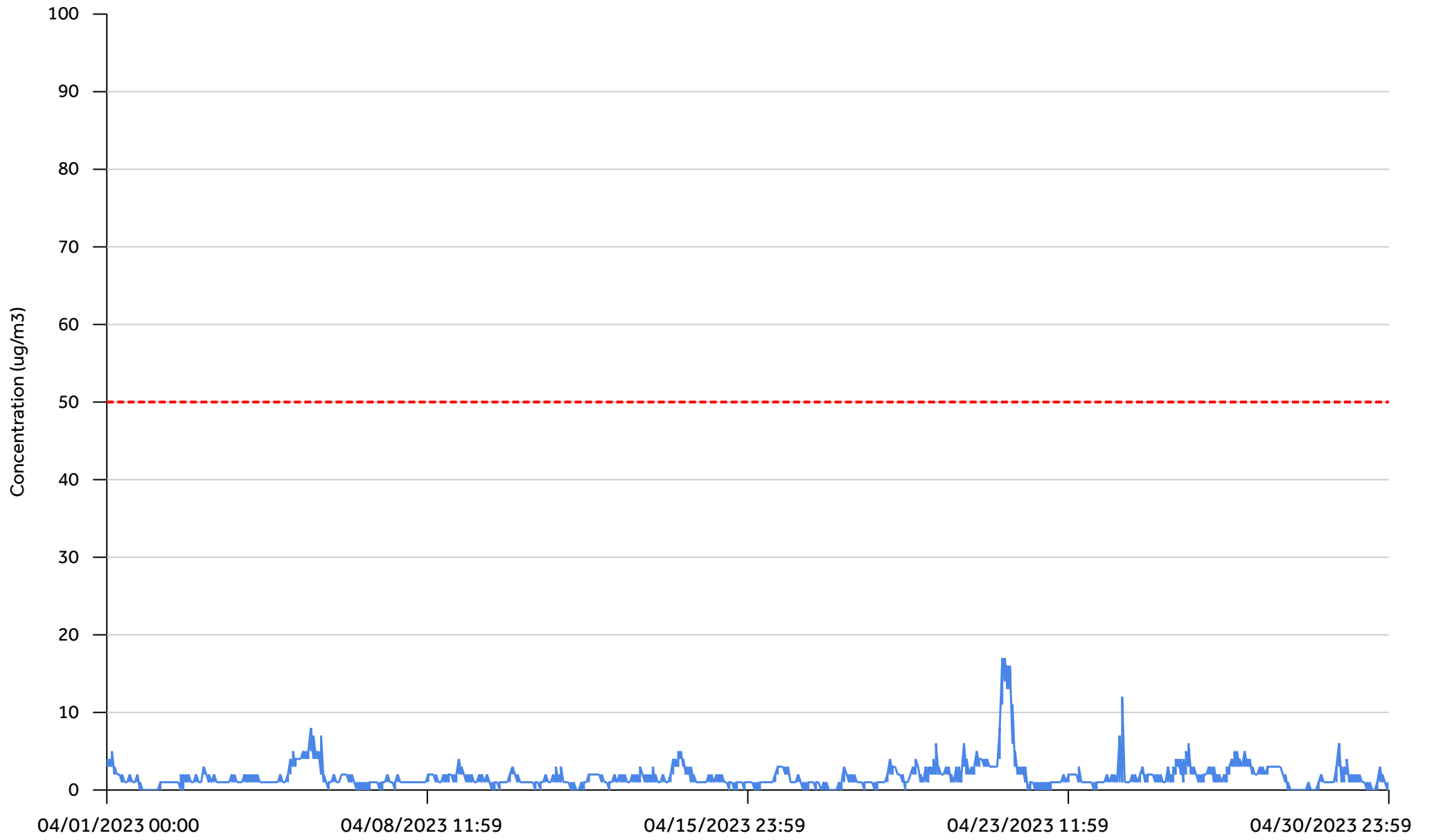


DM1-PM2.5



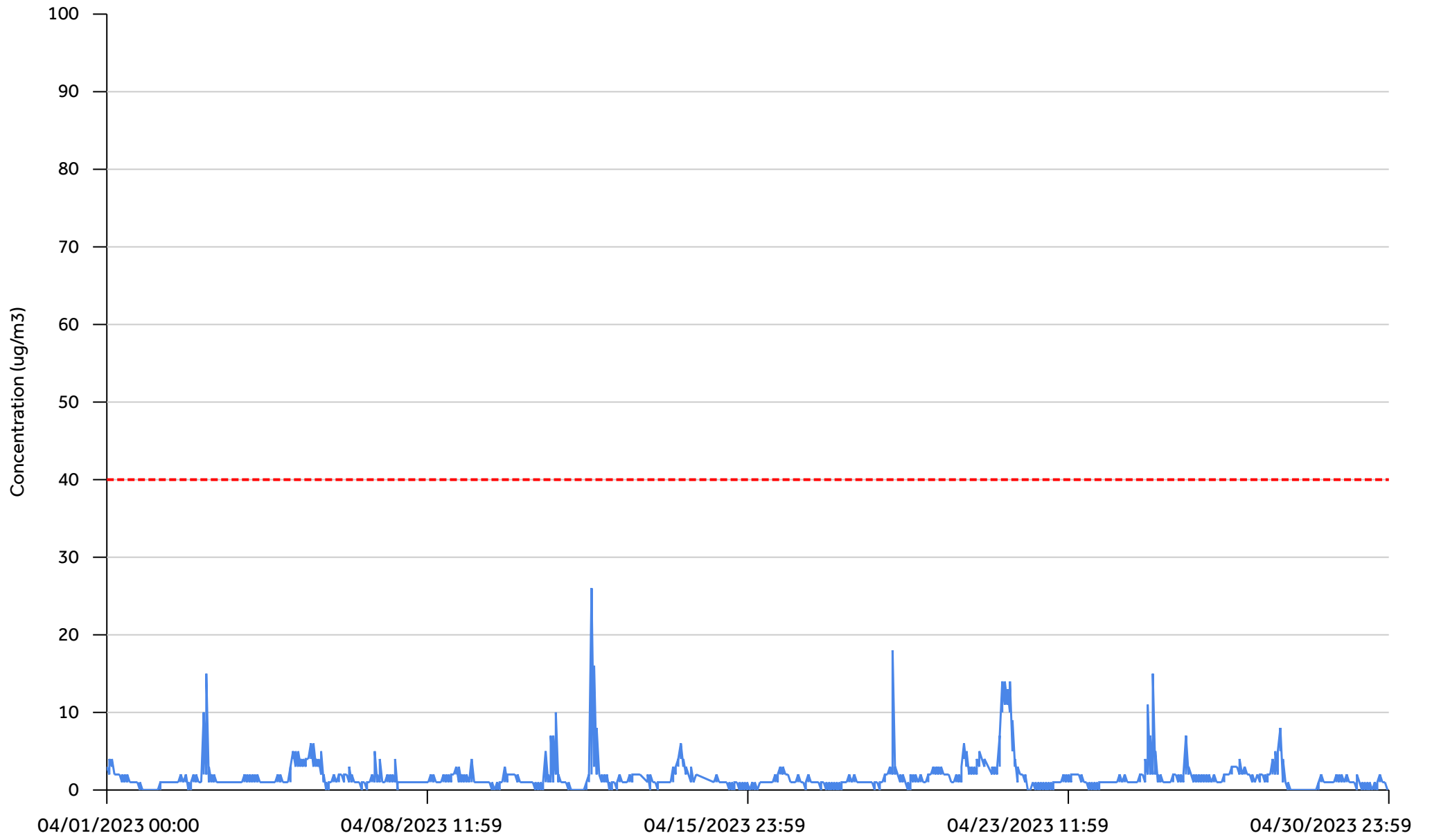
DM1\_PM2.5 Z

DM1 - PM10



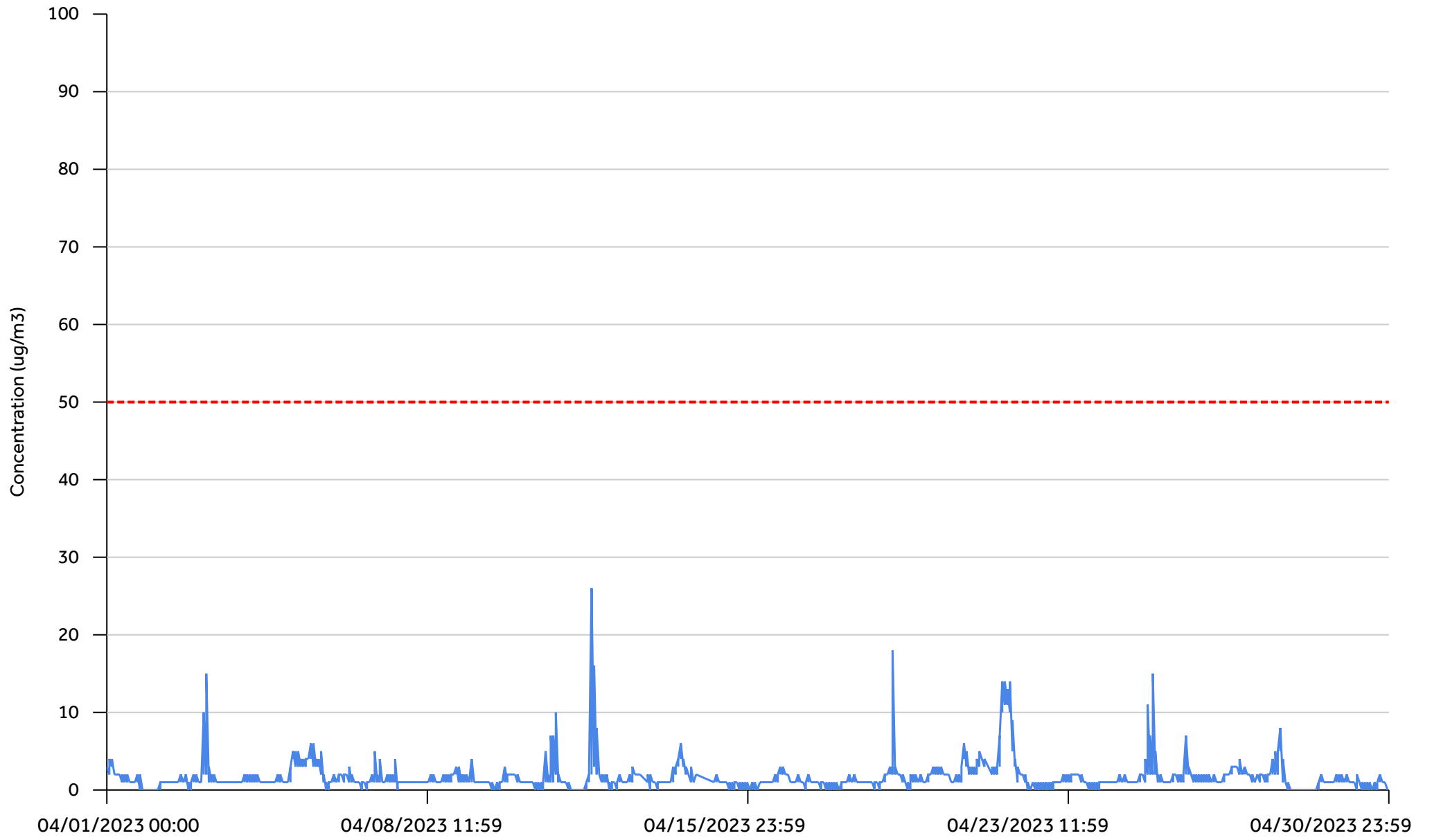
DM1\_PM10 Z

DM2-PM2.5



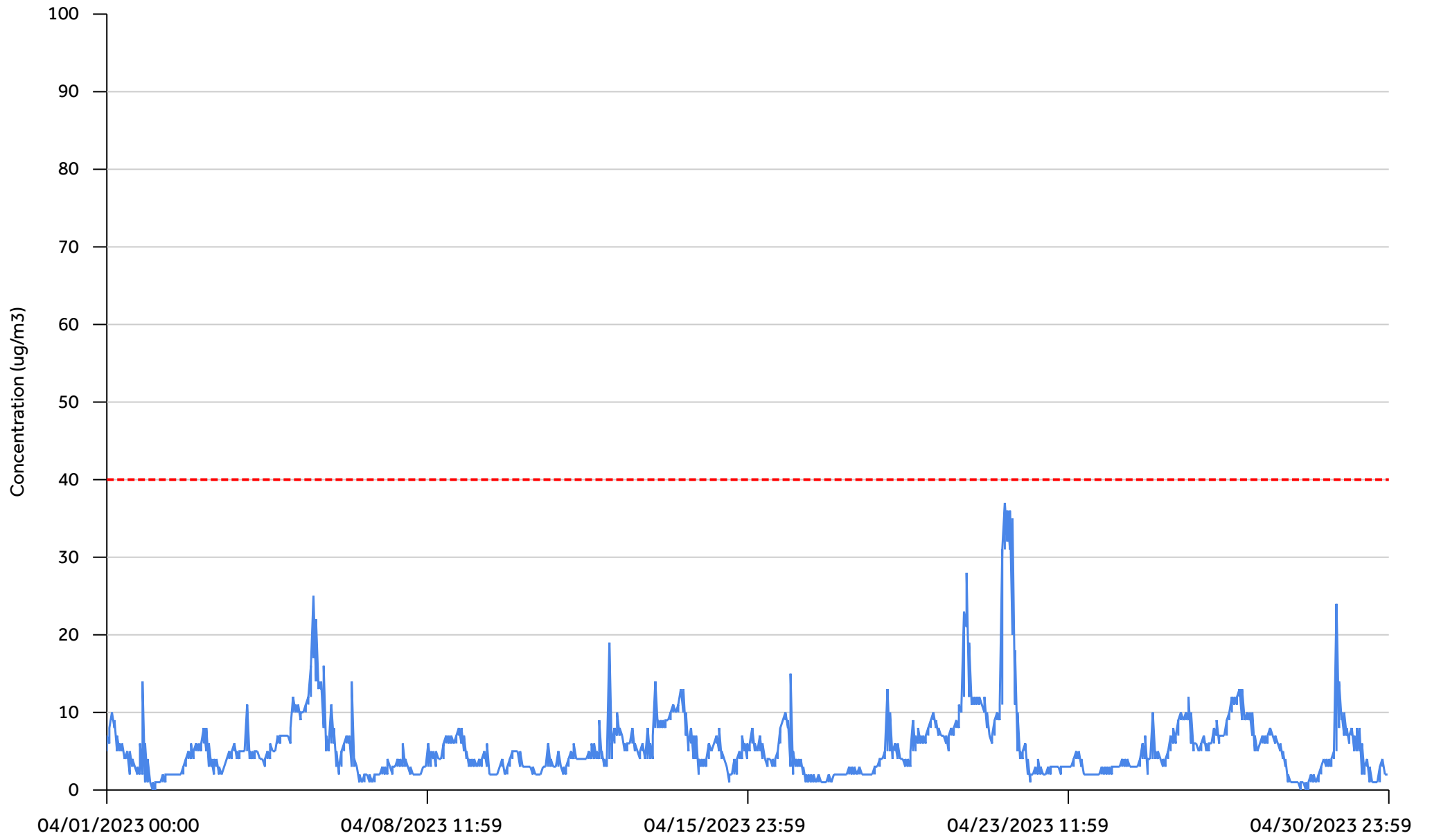
DM2\_PM2.5 Z

DM2-PM10



DM2\_PM10 Z

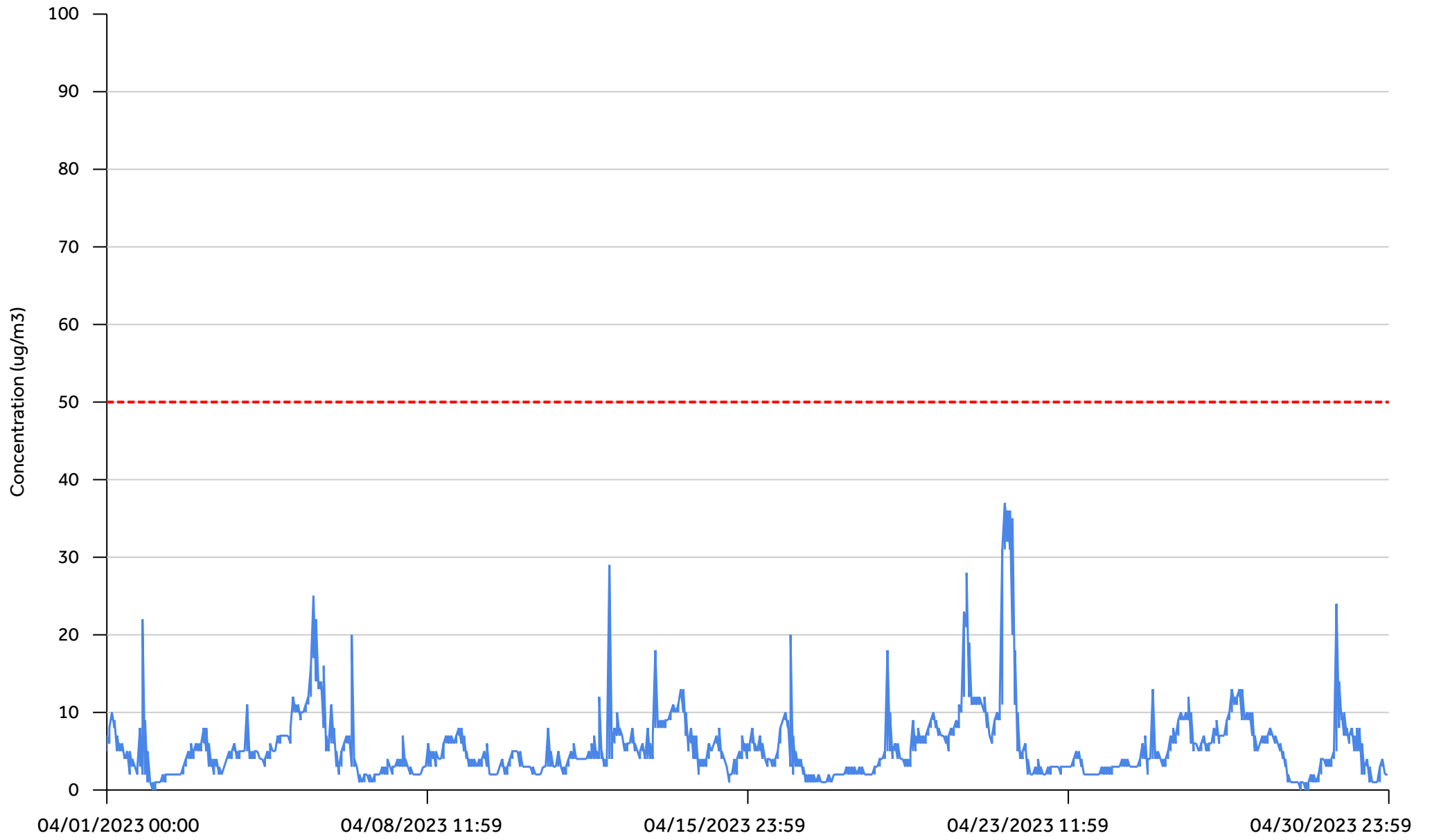
DM3-PM2.5



DM3\_PM2.5 Z



DM3-PM10



DM3\_PM10 Z