



PCM predictions of NO ₂ concentrations (µg/m ³)											
Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
PCM model	39	37	36	34	31	30	28	27	25	24	23
Monitoring	67	64	61	57	54	51	48	46	44	42	40

Existing Monitoring Data							
National Highways Monitoring*			Local Authority Monitoring				
ID	2016 NO ₂ Concentrations (µg/m ³)		ID	NO ₂ Concentrations (µg/m ³)			
				2016	2017	2018	2019
TIN_030_1215	35		115	31	29	29	31
TIN_031_1215	31		348	47	44	41	44
TIN_032_1215	33		1	40	39	35	39
TIN_033_1215	31		358	44	-	-	-
TIN_041_1215	35		257	-	-	36	44
TIN_047_1215	33		173	32	34	31	35
TIN_049_1215	42		4	49	43	41	43
TIN_051A	48		256	-	-	40	40
TIN_051B	46		50	41	38	33	35
TIN_051C	48		214-216	34	34	32	33
TIN_052_1215	50		126	27	29	-	-
TIN_054_1215	37		127	30	42	-	-
TIN_056_1215	36		128	34	40	-	-

National Highways Automatic Analyser	NO ₂ Concentrations (µg/m ³)			
	2016	2017	2018	2019
M1 (O2 M1 J33-34SB N)	60	71	67	64

*Due to the number of diffusion tubes located in this area, only those closest to the PCM link have been included on this map for ease of reference

AQMA			
Map ID	Local Authority	Description	Pollutant
AQMA A	Sheffield City Council	Sheffield Citywide AQMA	Annual NO ₂ 1-hour NO ₂ 24-hour PM ₁₀
AQMA B	Rotherham Metropolitan Borough Council	Rotherham AQMA 1 – Part 1 (NO ₂)	Annual NO ₂

Key			
PCM Link		Sensitive Receptor/s within 50m of PCM Link	
NO ₂ monitoring		Footpath/s within 50m of PCM Link	
AQMA		WebTRIS ID	
Bus Stop		Section of PCM link within 25m of junction	

Traffic data in 2017				
Road	WebTRIS ID	AADT	%HDV	Speed (mph)
M1 northbound	M1/4583A	51,180	22.5	61
M1 southbound	M1/4583B	50,000	16.4	62

Typical Traffic				Fast				Slow
AM (07:00 – 10:00)		IP (10:00 – 16:00)		PM (16:00 – 19:00)		OP (19:00 – 07:00)		
NB	SB	NB	SB	NB	SB	NB	SB	

Major Project Scheme in vicinity?
None

Commentary

- This section of the M1 is located between the A6178, Sheffield (Meadowhall junction) and the A630, Rotherham
- Public access located within 15m of the PCM link