



PCM predictions of NO <sub>2</sub> concentrations (µg/m <sup>3</sup> )						
Year	2018	2019	2020	2021	2022	2023
NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	43	41	39	37	35	33
HE Monitored NO <sub>2</sub> concentration (µg/m <sup>3</sup> )	51	48	45	40	38	36

Existing Monitoring Data				
Location	NO <sub>2</sub> Concentrations (µg/m <sup>3</sup> )			
	2013	2014	2015	2018
7	30	24	-	-
8	35	29	-	-
9	35	32	-	-
10	54	48	-	-
11	47	48	-	-
10_0215	-	-	35	-
11_0215	-	-	26	-
45	-	-	-	51*

\*Average of triplicate tubes

AQMA			
Map ID	Local Authority	Description	Pollutant
AQMA	Greater Manchester	Greater Manchester AQMA	Annual NO <sub>2</sub>

Traffic data in 2017				
Road	WebTRIS ID	AADT	%HDV	Speed (mph)
M56 westbound within junction 3A	8520/2	55,069	5.6	55
A5103 northbound between M56/A560 and B5166	8547/1	42,444	5.7	53

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	

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

**Major Project Scheme in vicinity?**

- M56 Junctions 6-8

**Commentary**

- The A5103, Princess Parkway, is the main route into Manchester City Centre from the M56
- Sensitive receptors are present within 50m of the PCM link carriageway (houses located along Parkwood Road and Beechpark Avenue)
- The two closest monitoring points to the PCM link (10 and 11) exceeded the Air Quality Limit Value in 2013 and 2014.
- Monitoring locations at relevant sensitive receptors recorded concentrations below the Air Quality Limit Value between 2013 and 2015