

Road Link	2021 (Without Scheme)		2021 (With Scheme)		Speed (kph)
	AADT	%HDV	AADT	%HDV	
7	18088	7	18670	7	25
8	18088	7	18670	7	25
9	17125	8	17941	8	25
10	17125	8	17941	8	35
11	17125	8	17941	8	35
12	17125	8	17941	8	25
13	16499	11	17080	11	25
14	16499	11	17080	11	35
15	16499	11	17080	11	35
16	11673	6	11793	6	25
17	11673	6	11793	6	35
18	14092	3	14214	3	25
19	14092	3	14214	3	35
20	1970	2	3047	3	25
21	1970	2	3047	3	30
22	12318	4	12439	4	20
23	12318	4	12439	4	30
24	12318	4	12439	4	30
25	14056	5	14178	5	35
26	14056	5	14178	5	35
27	18088	8	18670	7	20
28	12318	4	12439	4	20
29	18088	7	18670	7	20
30	6785	7	6845	7	25
31	6785	7	6845	7	35
32	1274	2	1275	2	30
33	1274	2	1275	2	30
34	1274	2	1275	2	30
35	1274	2	1275	2	30
36	7156	5	7217	5	25
37	7156	5	7217	5	35

Road Link	2021 (Without Scheme)		2021 (With Scheme)		Speed (kph)
	AADT	%HDV	AADT	%HDV	
38	7156	5	7217	5	35
39	7156	5	7217	5	35
40	21592	7	21948	7	35
41	14056	5	14178	5	35
42	672	4	1749	4	30
43	672	4	1392	3	30
44	672	4	870	3	30
45	287	1	287	1	30

A6.6.16 Diurnal flow profiles for the traffic have been derived from the national diurnal profiles published by DfT (DfT, 2015).

A6.6.17 Figure A6.6.2 shows the road network included within the model, which roads have been assumed to be street canyons and defines the study area.

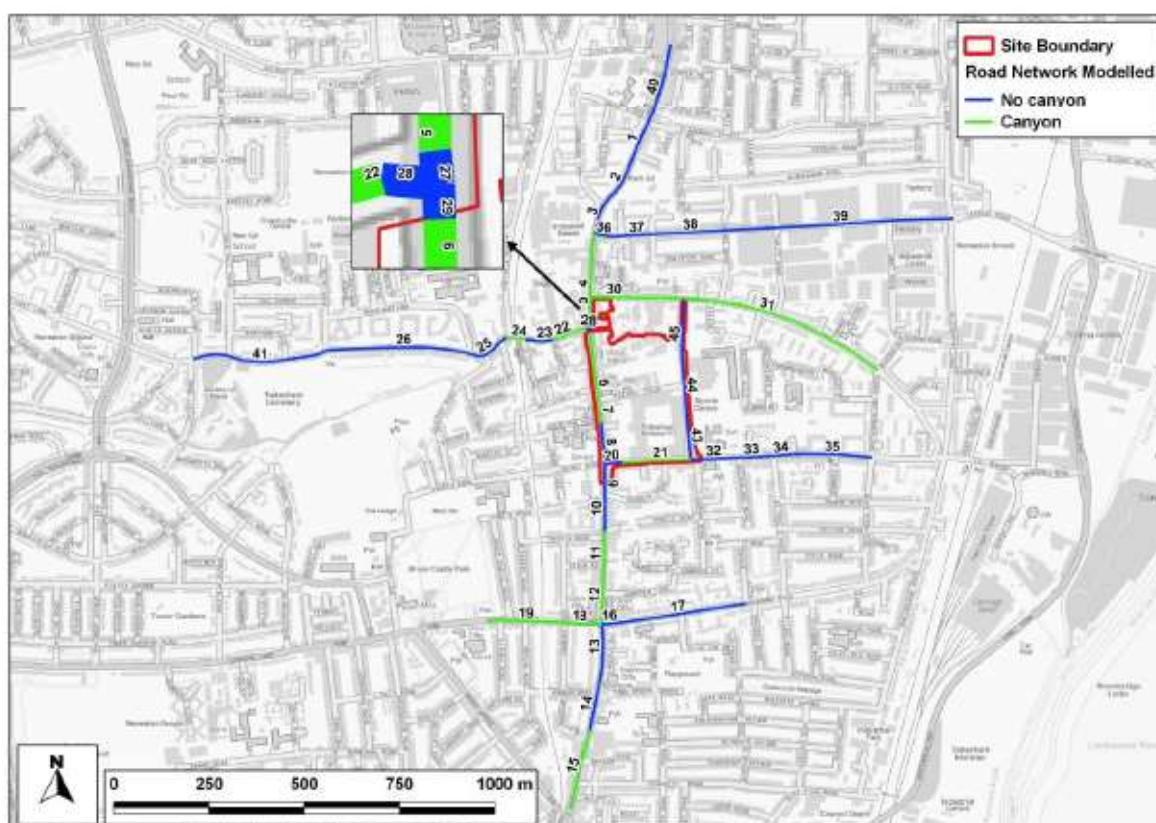


Figure A6.6.2: Modelled Road Network

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Car Parks

A6.6.18 The 'with' development 2021 scenario includes car parks within the development. Vehicles using these car parks may give rise to emission which may impact on the nearby receptors. Emissions from vehicles using the car parks are extracted from the car parks through a number of vents. Most of these have been entered into the ADMS-Roads model as area sources covering the area of the vents through which the emissions are discharged. The vent for the residential car park has been assumed to be located on the façade of Tower A and has been entered into the ADMS-Roads model as a volume source. Emissions from the car parks have also been assumed to flow out of the car park entrances/exits, to provide a worst-case scenario. These have been entered into the ADMS-Roads model as volume sources. The emissions of NO_x, PM₁₀ and PM_{2.5} have been calculated assuming that all vehicles which use the car park will drive an average distance within the car park at a speed of 5kph, which is the speed associated with maximum emissions and is thus worst-case. The average distance is calculated as the average between the length of the shortest route and the longest route. These emissions have been further augmented to account for the fact that vehicles with cold engines tend to emit more than vehicles with warm engines. The assumption has been made that all vehicles leaving the car park will have cold engines. The cold-start 'penalty' has been calculated from the EXEMPT model³. This penalty has been added to the emissions from the car park average route source and applied to the entire length of all the car park routes. Table A6.6.5 shows the emission rates and distances assumed. Figure A6.6.3 shows the modelled area and volume sources.

³ Defra. (2009). Available via the Air Quality Archive at <http://www.airquality.co.uk>.

Table A6.6.5: Summary of Car Park Emissions

Parameter	Car Park Source									
	1	2	3	4	5	6	7	8	9	10
Source Type	Area	Area	Volume	Area	Area	Area	Area	Volume	Volume	Volume
Associated Car Park	Basement	Basement	Residential	Ground Floor	Ground Floor	Ground Floor	Ground Floor	Basement	Ground Floor	Residential
Average Loop length (m)	572	572	338	313	313	313	313	572	313	338
AADT	539	539	394	258	258	258	258	539	258	394
Height (m) ^a	25	25	9.8	4	4	4	4	1.5	1.5	1.5
Area (m ²) ^b	8.15	8.92	6.40	7.66	7.85	8.08	8.81	20.8	31.50	20.70
Velocity (m/s) ^{b c}	5.52	5.05	5.11	3.33	3.33	3.33	3.33	1.00	1.00	1.00
No Reduction ^{b d}										
NO _x (µg/s/m ²)	137.12	125.33	22.86	17.71	17.71	17.71	17.71	24.83	5.31	22.86
PM ₁₀ (µg/s/m ²)	6.90	6.31	1.12	0.87	0.87	0.87	0.87	1.25	0.26	1.12
PM _{2.5} (µg/s/m ²)	4.51	4.12	0.74	0.57	0.57	0.57	0.57	0.82	0.17	0.74
With Reduction ^{b e}										
NO _x (µg/s/m ²)	102.66	93.83	17.27	13.39	13.39	13.39	13.39	18.59	4.02	17.27
PM ₁₀ (µg/s/m ²)	5.99	5.47	1.03	0.75	0.75	0.75	0.75	1.08	0.23	1.03
PM _{2.5} (µg/s/m ²)	3.60	3.29	0.59	0.46	0.46	0.46	0.46	0.65	0.14	0.59

^a For volume sources the height given is the mid-height of the volume source above ground.

^b The model is constrained by certain density criteria of emissions from sources, such that the areas of sources 4, 5, 6 and 7 had to be adjusted for the model to run. As a consequence of this, the velocities and pollutant emissions rates for these sources were adjusted to correct take this into account.

^c The velocity of emissions blowing out of the car park entrances/exits is currently unknown. The model is constrained to use a velocity of at least 1 m/s, so as a worst-case assumption this velocity has been used for sources 8, 9 and 10.

^d This assumes that road vehicle emission factors in 2021 and 2014 remain the same as in 2011.

^e This assumes that road vehicle emission factors reduce between 2014 and 2021 at the current 'official' rates.

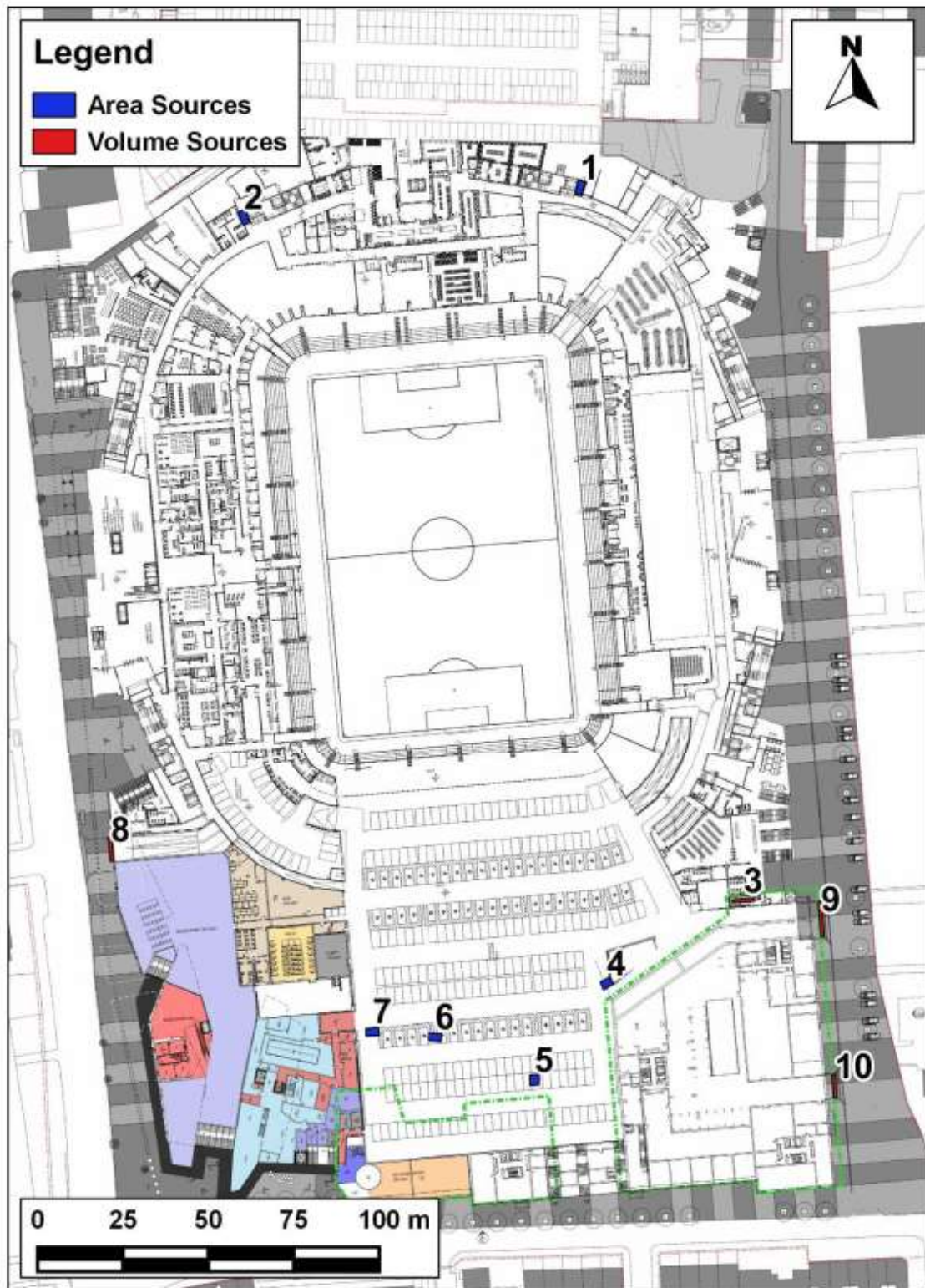


Figure A6.6.3: Development Car Park Modelled Sources

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Point Sources

A6.6.19 The impacts of emissions from the proposed boiler and generator plant have been predicted using the ADMS-5 dispersion model. ADMS-5 is a new generation model that incorporates a state-of-the art understanding of the dispersion processes within the atmospheric boundary layer. The model has been run to predict the hourly contribution of the proposed boiler and generator plant emissions to concentrations of nitrogen dioxide and PM (assumed to be both PM_{2.5} and PM₁₀).

A6.6.20 A summary of the approach involved:

- Met sensitivity testing to establish worst-case met year running the model for long term outputs without chemistry;
- running the model for PM and using chemistry for nitrogen dioxide both with and without the building downwash effect to get the worst-case short term contributions (hour-by-hour) for each receptors for each of the following:
 - The existing UTC and Sainsbury's boiler plant;
 - The onsite development related boiler plant;
 - The stadium related generator plant; and
 - The hotel and residential related generator plant;
- processing the nitrogen dioxide and PM model outputs to calculate realistic worst-case annual mean concentrations based on the operational hours of the various boiler and generator plant;
- processing the nitrogen dioxide model outputs to calculate realistic worst-case short term concentrations based on the greatest combined impacts of all the boiler and generator plant;
- running the model for PM, both with and without the building downwash effect to get the worst-case contributions for a range of percentiles the short term outputs; and
- processing the PM model outputs to calculate realistic worst-case short term concentrations based on the greatest combined impacts of all the boiler and generator plant.

Plant

A6.6.21 The development includes a range of boiler and generator plant:

- The stadium houses 5.6MW⁴ of boiler plant and 5000kVA⁵ of generator plant.

⁴ Rated based on Net Thermal Input (net fuel in based on natural gas).

⁵ The kVA is the output.

- Residential Tower C houses 4.4MW⁴ of boiler plant and 330kVA⁵ of generator plant.
- The Hotel house 3.2MW⁴ of boiler plant and 0.69MW 330kVA⁵ of generator plant.
- The Extreme Sport Building houses 0.56MW⁴ of boiler plant.

A6.6.22 The boiler plant will operate on natural gas, while the generator plant will operate on diesel oil.

A6.6.23 The exact plant models are unknown so a number of assumptions have been made to calculate exhaust flow rates based in the fuel consumption and typical operating conditions. These assumptions are shown in Table A6.6.6 and Table A6.6.7. If the real operating parameters are greater than 5% from the assumed values then the modelling may over or under predict the impacts. The emission parameters have been modelled at the threshold limits rather than based on emission rates for specific plant which may not be used in the development. For boiler plant this is 40 mg/kWh and for the generator plant the emission limits for Stage IIIA plant have been used.

A6.6.24 The emissions from the two stadium boiler flues and the two stadium generator flues have been combined in the model into two single flues (one for the boilers and one for the generators) for the purpose of modelling; the emissions parameters employed in the modelling are displayed in Table A6.6.8 and Table A6.6.9.

A6.6.25 The following assumptions have been made:

- The stadium generator plant will operate for 8 hours for 30 days a year (240 hours per annum) on event days to supplement the power required on event days. In addition to this there will be a maximum of 1 hour of maintenance of the plant a week (52 hours per annum). Therefore the stadium generators have been assumed to operation for a worst-case of 292 hours per year;
- The hotel and residential generator plant are backup emergency power generators and will undergo a maximum of 1 hour of maintenance of the plant a week (52 hours per annum). Therefore the generators have been assumed to operation for a worst-case of 52 hours per year; and
- The boiler plant have been assumed to operate 100% of the time as a worst-case approach.

A6.5. Table A6.6.6: Modelled Boiler Plant Assumptions

Parameter	Sainsbury's	UTC	Stadium	Residential	Hotel	Extreme
Based on Model	Remeha 610-860	ECOMAX 150kW	Strebel F550	Hoval Ultragas 1150D	Hoval Ultragas 1700D	Hoval Ultragas 200
Number of units	2	4	10	4	2	3
Net fuel input per unit (kW)	808	154	560	1,100	1,604	188
Gross fuel input per unit (kW)	895	170	620	1,220	1,777	208
Excess air per unit (%)	27	27	27	27.5	34	34
Condensing?	Yes	Yes	Yes	Yes	Yes	Yes

A6.6. Table A6.6.7: Modelled Generator Plant Assumptions

Parameter	Sainsbury's	UTC	Stadium	Residential	Hotel	Extreme
Based on Model	-	-	MTU 16V4000G23	Cummins QSL9 G5	Cummins QSL9 G5	-
Number of units	-	-	2	1	1	-
Max power out kVA	-	-	2,250	330	330	-
Max power out kWm	-	-	1,798	-	-	-
Max power out kWel	-	-	-	264	264	-
Net fuel input per unit (kW)	-	-	10,300	690	690	-

Gross fuel input per unit (kW)	-	-	11,000	736	736	-
Fuel consumption (litres/minute)	-	-	17.0	1.1	1.1	-
Excess air per unit (%)	-	-	10	75	75	-
Exhaust Temp at plant (°C)	-	-	585	560	560	-
Exhaust Temp at release to atmosphere (°C)	-	-	61	80	80	-

A6.7. Table A6.6.8: Modelled Boiler Plant Specifications, Emissions and Release Conditions

Parameter	Sainsbury's	UTC	Stadium	Residential	Hotel	Extreme
X-Coordinate	533955.4	534005.8	534090.6	534068.0	533969.1	533998.5
Y-Coordinate	191450.0	191422.8	191270.9	191104.7	191118.4	191068.8
Height (m)	12.5	12.5	56.3	121.0	90.2	54.2
Actual Exhaust Velocity (Am/s)	6.94	3.84	7.56	7.50	7.60	7.83
Flue Diameter (m)	0.35	0.30	0.64	0.58	0.49	0.20
Flow rate (Am ³ /s)	0.67	0.27	2.39	1.95	1.43	0.25
Release Temperature (°C)	57	79	68	62	69	61
NOx Emission Rate (g/s)	0.0298	0.0072	0.0689	0.0541	0.0395	0.0069

A6.8. Table A6.6.9: Modelled Generator Plant Specifications, Emissions and Release Conditions

Parameter	Sainsbury's	UTC	Stadium	Residential	Hotel	Extreme
-----------	-------------	-----	---------	-------------	-------	---------

X-Coordinate	-	-	534072.6	534116.9	533946.1	-
Y-Coordinate	-	-	191345.0	191164.6	191110.5	-
Height (m)	-	-	56.2	121.0	90.2	-
Actual Exhaust Velocity (Am/s)	-	-	31.1	7.7	7.7	-
Flue Diameter (m)	-	-	0.57	0.26	0.26	-
Flow rate (Am3/s)	-	-	7.82	0.39	0.39	-
Release Temperature (°C)	-	-	61	80	80	-
NOx Emission Rate (g/s)	-	-	21.3748	0.7160	0.7160	-
PM Emission Rate (g/s)	-	-	1.2214	0.0409	0.0409	-

Met testing

A6.6.1 The model has been run to predict long term outputs from meteorological data from Northolt's for 2010-2014. The year associated with the greatest impacts was 2011.

A6.6.2 Hourly sequential meteorological data from Northolt's for 2011 have therefore been used in the detailed modelling.

Building downwash testing.

A6.6.3 The building dimensions and flue location have been obtained from drawings provided by the project team. The locations of the flues are shown in Figure A6.6.4.

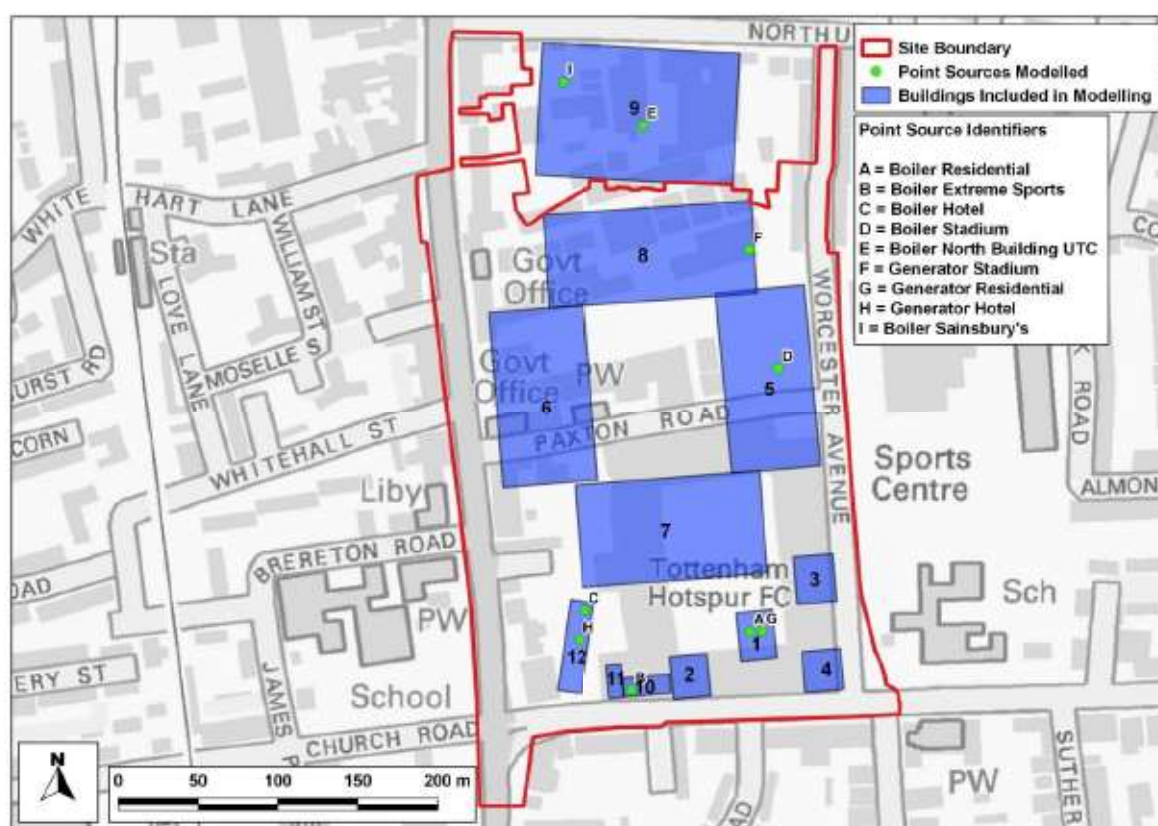


Figure A6.6.4: Flue Location

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A6.6.4 Entrainment of the plume into the wake of the energy centre building (the so-called building downwash effect) has been taken into account in the model. The buildings included in the model are shown in Figure A6.6.4. The model has been run both with and without the buildings included and the worst-case contribution taken for each receptor location.

Chemistry

- A6.6.5 The model has been run using the ADMS chemistry module. To take account of the chemistry in the plume, background concentrations of nitrogen oxides, nitrogen dioxide and ozone have been taken from the rural background Lullington Heath AURN site for 2011.
- A6.6.6 The calculation of short-term means has been carried out on an hour-by-hour basis. The Lullington Heath data have only been used to inform the chemistry routine, and as such, using a rural site (with relatively high ozone concentrations) provides a worst-case assessment. Where relevant, the process contributions to nitrogen dioxide concentrations derived using this method have been added to local background concentrations (taken either from Defra's background maps). Thus, the use of background data from Lullington Heath should not be taken to imply that the local background concentrations have been underestimated.

Model Verification

- A6.6.7 In order to ensure that ADMS-Roads accurately predicts local concentrations, it is necessary to verify the model against local measurements. It is not practical, nor usual, to verify the ADMS-5 model, and, because ADMS-5 does not rely on estimated road-vehicle emission factors, the adjustment used for ADMS-Roads cannot be applied to ADMS-5. Predictions made using ADMS-5 have thus not been verified.

Background Concentrations

- A6.6.8 Background concentrations of nitrogen dioxide for the verification sites have been taken from the national maps of background concentrations available from the Defra LAQM Support website (Defra, 2015b). The background concentrations for the verification sites have been calculated using the same methodology as outlined in paragraph A6.4.A6.6.1 to paragraph A6.4.A6.6.3 and are presented in Table A6.6.10.

Table A6.6.10: Background Concentrations used in the Verification for 2014

	NO ₂	PM _{2.5}
HGY1	29.0	15.0

Nitrogen Dioxide

- A6.6.9 Most nitrogen dioxide (NO₂) is produced in the atmosphere by reaction of nitric oxide (NO) with ozone. It is therefore most appropriate to verify the model in terms of primary pollutant emissions of nitrogen oxides (NO_x = NO + NO₂). The model has been run to predict the annual mean NO_x concentrations during 2014 at the Haringey HGY1 automatic monitoring site. Concentrations have been modelled at 3.0 m, the height of the monitor inlet.

A6.6.10 The model output of road-NO_x (i.e. the component of total NO_x coming from road traffic) has been compared with the 'measured' road-NO_x. Measured road-NO_x has been calculated from the measured NO_x concentration and the predicted background NO_x concentration.

A6.6.11 An adjustment factor has been determined as the ratio of the 'measured' road contribution and the model derived road contribution. This factor has then been applied to the modelled road-NO_x concentration for each receptor to provide adjusted modelled road-NO_x concentrations. The total nitrogen dioxide concentrations have then been determined by combining the adjusted modelled road-NO_x concentrations with the predicted background NO₂ concentration within the NO_x to NO₂ calculator (Defra, 2015b).

A6.6.12 The data used to calculate the adjustment factor are provided below:

- Measured NO₂ : 43.82 µg/m³
- 'Measured' road-NO_x (total – background): 33.99 µg/m³
- Modelled road-NO_x = 17.94 µg/m³
- Primary Road-NO_x adjustment factor: = **1.89**⁶
- Final Modelled Total NO₂ (using Defra NO_x:NO₂ calculator) = 44.5 µg/m³
- Secondary Road NO₂ adjustment factor: 43.82/43.82 = **1.000**

A6.6.13 The factor implies that the unadjusted model is under-predicting the road-NO_x contribution. This is a common experience with this and most other models.

PM₁₀ and PM_{2.5}

A6.6.14 The model has been run to predict annual mean road-PM_{2.5} concentrations during 2014. A similar process to calculate the road-NO_x adjustment factor has been followed.

A6.6.15 The measured road-PM_{2.5} and modelled road-PM_{2.5} concentrations are compared to provide the factor for PM_{2.5}. The data used to calculate the adjustment factor are provided below:

- Measured PM_{2.5}: 16.40 µg/m³
- 'Measured' road-PM_{2.5} (measured – background at monitor): 16.40 – 14.99 = 1.41 µg/m³
- Modelled road-PM_{2.5} = 0.61 µg/m³
- Road-PM_{2.5} adjustment factor: 1.41/0.61 = **2.31**

⁶ Based on un-rounded values

Model Post-processing

Road Traffic

Nitrogen oxides and nitrogen dioxide

A6.6.16 The model predicts road-NO_x concentrations at each receptor location. These concentrations have then been adjusted using the primary adjustment factor, which, along with the background NO₂, has been processed through the NO_x to NO₂ calculator available on the Defra LAQM Support website (Defra, 2015b). The traffic mix within the calculator has been set to "All London traffic", which is considered suitable for the study area. The calculator predicts the component of NO₂ based on the adjusted road-NO_x and the background NO₂. This has then been adjusted by the secondary adjustment factor to provide the final predicted concentrations.

Short-term PM₁₀

A6.4.4. The number of exceedences of 50 µg/m³ as a 24-hour mean PM₁₀ concentration has been calculated from the adjusted-modelled total annual mean concentration following the relationship advised by (Defra, 2009):

$$A = -18.5 + 0.00145 B^3 + 206/B$$

where A is the number of exceedences of 50 µg/m³ as a 24-hour mean PM₁₀ concentration and B is the annual mean PM₁₀ concentration. The relationship is only applied to annual mean concentrations greater than 16.5 µg/m³. Below this concentration, the number of 24-hour exceedences is assumed to be zero.

Point Sources

Process contributions

A6.6.17 In order to determine the process contributions from the proposed plant, the model has been run several times with the following:

- with just the baseline existing emissions (Sainsbury's and UTC boilers). [Scenario 1];
- with scenario 1 and the development boiler plant. [Scenario 2];
- with scenario 2 and the hotel and residential generator plant. [Scenario 3];
- with scenario 3 and the stadium generator plant. [Scenario 4];

A6.6.18 The process contributions have then been calculated by taking the difference between the scenarios.

Long-term nitrogen dioxide and PM

A6.6.19 In order to calculate the annual mean concentrations the process contribution from each of the following have been calculated and then summed with the annual mean concentration from the combined background, the modelled existing boiler plant in Sainsbury's and UTC, the modelled road traffic and the modelled car parks:

- 292 hours of stadium generator process contributions;
- 52 hours of hotel and residential generator process contributions; and
- annual process contribution from the development boilers.

A6.6.20 The specific hours of the year which the plant will operate and the associated meteorological data are unknown. Therefore the relevant number of hours of operation have been taken for each aspect at random from the entire hour-by-hour annual outputs. These hourly concentrations have been summed to provide the contribution to the annual mean. This process has been repeated 1,000 times to represent 1,000 years of operation and the highest annual mean contribution has been used as the realistic worst-case annual mean process contribution.

Short-term nitrogen dioxide

A6.6.21 In order to predict total 1-hour mean nitrogen dioxide concentrations the following formula has been applied for each location:

99.79th percentile process contribution NO₂ + 2 x annual mean nitrogen dioxide concentration of the combined background, the modelled existing boiler plant in Sainsbury's and UTC, the modelled road traffic and the modelled car parks.

A6.6.22 The difficulty with assessing against the 1-hour objective for nitrogen dioxide is that the hours of the year the generators will be used is unknown, and furthermore, the meteorological conditions within these hours cannot be predicted. To overcome this, a statistical model has been designed and run to simulate 1,000 years of operation, in order to identify the realistic worst-case 99.8th highest 1-hour nitrogen dioxide concentration. The statistical model has been run 1,000 times as this is deemed to be a sufficiently large dataset with which to carry out a robust statistical analysis. Each run take 52 hours at random from the entire year of 1-hour concentrations modelled assuming all the sources within the development are operating simultaneously, which is a worst-case assumption. The 18th highest value is taken to represent the 99.79th percentile. This simulation was repeated 1,000 times to represent 1,000 artificial years of data and the highest value of all 1,000 years has been taken for the assessment.

A6.9. Short-term PM₁₀

- A6.6.1 The short-term PM₁₀ objective permits 35 exceedences of 50 µg/m³ as a daily average concentration per year. The 35th highest day is equivalent to the 90.4th percentile of 24-hour mean concentrations. If this 90.4th percentile is greater than 50 µg/m³, then there will be more than 35 days exceeding 50 µg/m³ and thus there will be an exceedance of the limit.
- A6.6.2 The combined road traffic, car park emissions and background concentrations have been used to calculate a number of days greater than 50 µg/m³ due to those sources (see Paragraph **Error! Reference source not found.**). Using these predicted number of days exceeding 50 µg/m³ due to road traffic and background sources it is possible to calculate a headroom of number of days before the 35 days limit is reached. This is the number of extra days the point sources could cause exceedences of 50 µg/m³ before the 35 day limit is reached. An equivalent percentile for each of these headroom days was calculated and used as a "relevant percentile" of 24-hour means. This approach is worst-case because the days predicted to exceed 50 µg/m³ due to the boiler and generator plant may coincide with days on which the 50 µg/m³ is already being exceeded and therefore there may be an element of double counting.
- A6.6.3 In order to predict the equivalent 90th percentile of 24-hour mean PM₁₀ concentrations the "relevant percentile" of 24-hour mean process contribution (for the headroom days) has been added to twice the annual mean PM₁₀ concentration of the combined background, the modelled road traffic and the modelled car parks.
- A6.6.4 The total predicted concentrations have then been compared to the air quality objectives to determine the significance of any effects with reference to Appendix A6.3.

A6.7 'Air Quality Neutral'

A6.7.1 The GLA's SPG on Sustainable Design and Construction (GLA, 2014a), and its accompanying Air Quality Neutral methodology report (AQC, 2014), provide an approach to assessing whether a development is air quality neutral. The approach is to compare the expected emissions from the building energy use and the car use associated with the proposed development against defined emissions benchmarks for buildings and transport in London.

A6.7.2 The benchmarks for heating and energy plant (termed 'Building Emissions Benchmarks' or 'BEBs') are set out in Table A6.7.1, while the 'Transport Emissions Benchmarks' ('TEBs') are set out in Table A6.7.2. In order to assess against the TEBs, it is necessary to combine the expected trip generation from the development with estimates of average trip length and average emission per vehicle. So as to ensure a consistent methodology, the report which accompanies the SPG (AQC, 2014) recommends that the information in Table A6.7.3 and Table A6.7.4 (upon which the TEBs are based) is used. Similarly, the information in Table A6.7.5 may be used if site-specific information are not available (AQC, 2014). The average trip rates, for use where TEBs are not available, are set out in Table A6.7.6.

Table A6.7.1: Building Emissions Benchmarks (g/m² of Gross Internal Floor Area)

Land Use Class	NO _x	PM ₁₀
Class A1	22.6	1.29
Class A3 - A5	75.2	4.32
Class A2 and Class B1	30.8	1.77
Class B2 - B7	36.6	2.95
Class B8	23.6	1.90
Class C1	70.9	4.07
Class C2	68.5	5.97
Class C3	26.2	2.28
D1 (a)	43.0	2.47
D1 (b)	75.0	4.30
Class D1 (c -h)	31.0	1.78
Class D2 (a-d)	90.3	5.18
Class D2 (e)	284	16.3

Table A6.7.2: Transport Emissions Benchmarks

Land use	CAZ ^a	Inner ^b	Outer ^b
NO_x (g/m²/annum)			
Retail (A1)	169	219	249
Office (B1)	1.27	11.4	68.5
NO_x (g/dwelling/annum)			
Residential (C3)	234	558	1553
PM₁₀ (g/m²/annum)			
Retail (A1)	29.3	39.3	42.9
Office (B1)	0.22	2.05	11.8
PM₁₀ (g/dwelling/annum)			
Residential (C3,C4)	40.7	100	267

^a Central Activity Zone^b Inner London and Outer London (as defined in the LAEI) (GLA, 2013)**Table A6.7.3: Average Distance Travelled by Car per Trip**

Land use	Distance (km)		
	CAZ	Inner	Outer
Retail (A1)	9.3	5.9	5.4
Office (B1)	3.0	7.7	10.8
Residential (C3)	4.3	3.7	11.4

Table A6.7.4: Average Road Traffic Emission Factors in London in 2010 (AQC, 2014)

Pollutant	g/vehicle-km		
	CAZ	Inner	Outer
NO _x	0.4224	0.370	0.353
PM ₁₀	0.0733	0.0665	0.0606

Table A6.7.5: Average Emissions from Heating and Cooling Buildings in London in 2010 (AQC, 2014)

	Gas (kg/kWh)		Oil (kg/kWh)	
	NO _x	PM ₁₀	NO _x	PM ₁₀
Domestic	0.0000785	0.00000181	0.000369	0.000080
Industrial/Commercial	0.000194	0.00000314	0.000369	0.000080

Table A6.7.6: Average Number of Trips per Annum for Different Development Categories

Land use	Number of Trips (trips/m ² /annum)		
	CAZ ^a	Inner ^b	Outer ^b
A3	153	137	170
A4	2.0	8.0	-
A5	-	32.4	590
B2	-	15.6	18.3
B8	-	5.5	6.5
C1	1.9	5.0	6.9
C2	-	3.8	19.5
D1	0.07	65.1	46.1
D2	5.0	22.5	49.0

^a Central Activity Zone

^b Inner London and Outer London (as defined in the London Atmospheric Emissions Inventory) (GLA, 2013)

A6.8 Adjustment of Short-Term Data to Annual Mean

A6.8.1 The Haringey Town Hall automatic monitor had large gaps in its data collection during 2014. No nitrogen dioxide data were collected between 27th May and 1st October, resulting in an annual data capture rate of 65.3%. PM₁₀ data capture was very low, at just 25.7% for the year. PM_{2.5} data had gaps between 17th February and 7th March and between 10th August and 27th September, resulting in a total annual data capture rate of 82.2%.

A6.8.2 In accordance with the guidance set out in Box 3.2 of LAQM.TG(09), the nitrogen dioxide and PM_{2.5} data have been adjusted to an annual mean, based on the ratio of concentrations during the short-term monitoring periods to those over the 2014 calendar year at nearby background automatic monitoring sites. PM₁₀ data capture was so low that it would not be appropriate to annualise.

A6.8.3 The annual mean nitrogen dioxide concentrations and the period means for each of the three monitoring sites from which adjustment factors have been calculated for nitrogen dioxide are presented in Table A6.8.1, along with the Overall Factor. The "short-term monitoring period" referred to covers the periods 1st January to 27th May and 1st October to 31st December.

Table A6.8.1: Data used to Adjust Short-term Nitrogen Dioxide Monitoring Data at Haringey Town Hall to Annual Mean

Period Mean Concentration (µg/m ³)	Camden Bloomsbury	Harrow Stanmore	Kensington & Chelsea North Kensington	Overall Factor
2014 Calendar Year	51.2	24.6	34.4	-
Short-Term Monitoring Period	54.0	28.3	37.3	-
Adjustment Factor	0.949	0.869	0.921	0.913

A6.8.4 The annual mean PM_{2.5} concentrations and the period means for each of the two monitoring sites from which adjustment factors have been calculated for PM_{2.5} are presented in Table A6.8.2, along with the Overall Factor. The "short-term monitoring period" referred to covers the periods 1st January to 17th February, 7th March to 10th August and 27th September to 31st December.

Table A6.8.2: Data used to Adjust Short-term PM_{2.5} Monitoring Data at Haringey Town Hall to Annual Mean

Period Mean Concentration (µg/m³)	Camden Bloomsbury	Hillingdon Harlington	Overall Factor
2014 Calendar Year	14.6	14.0	-
Short-Term Monitoring Period	14.3	13.6	-
Adjustment Factor	1.028	1.026	1.027

A6.9 Results

A6.9.1 The following tables and figures set out and show the results of the modelling carried out.

Figure A6.9.2: Baseline NO₂ Concentrations in 2014 (µg/m³) at First Floor Level

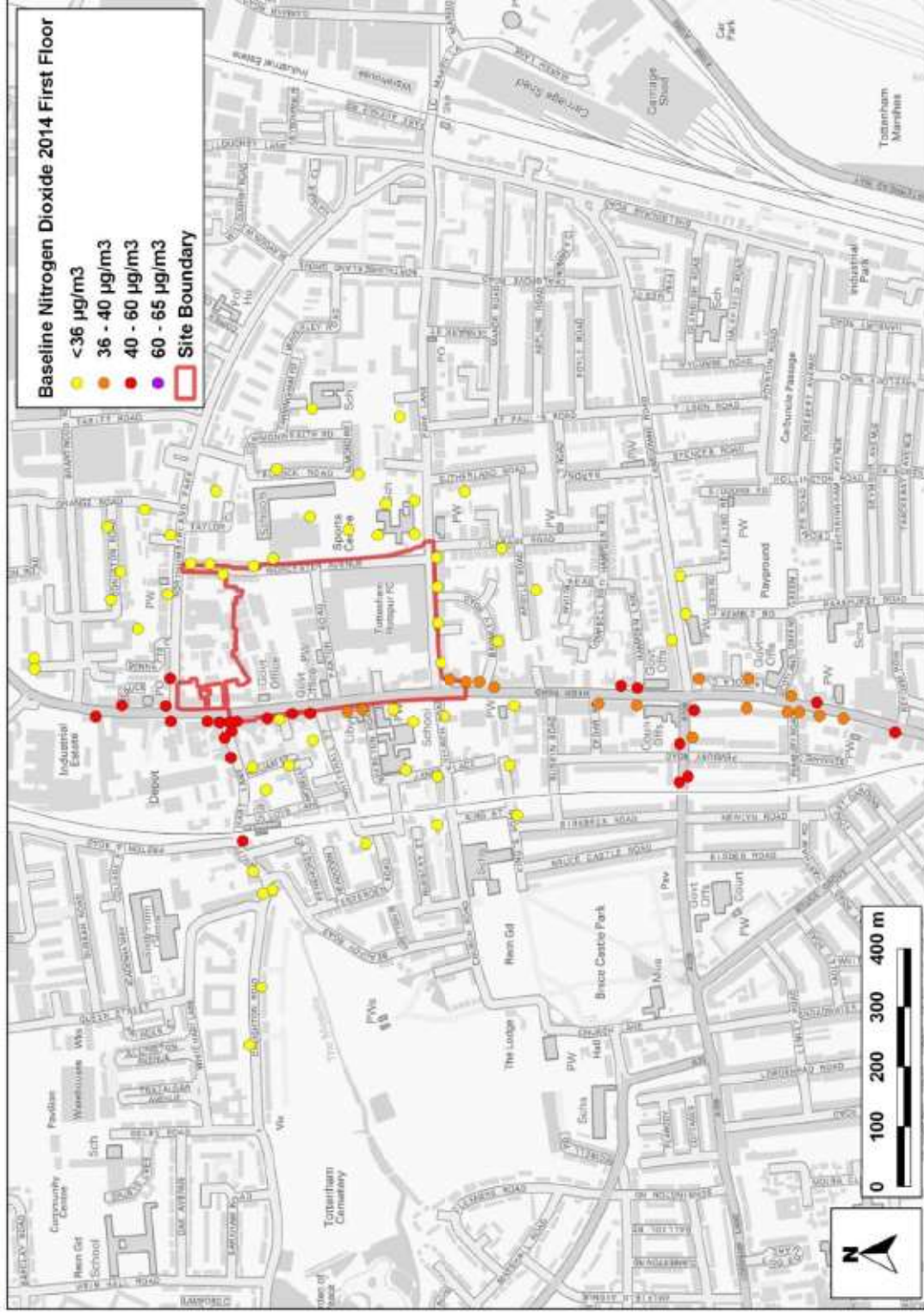


Figure A6.9.3: Baseline PM₁₀ Concentrations in 2014 (µg/m³) at Ground Floor Level

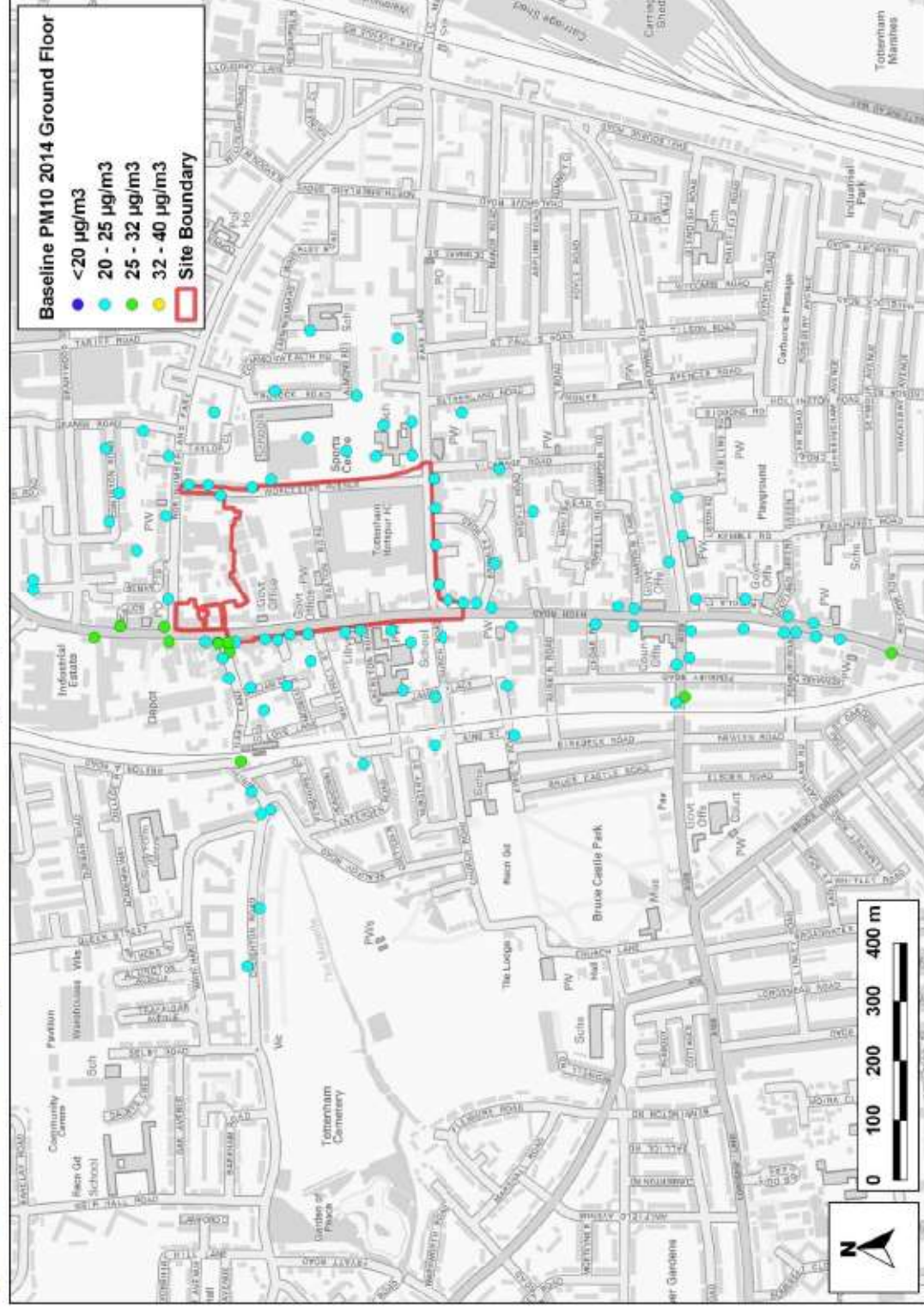


Figure A6.9.4: Baseline PM₁₀ Concentrations in 2014 (µg/m³) at First Floor Level

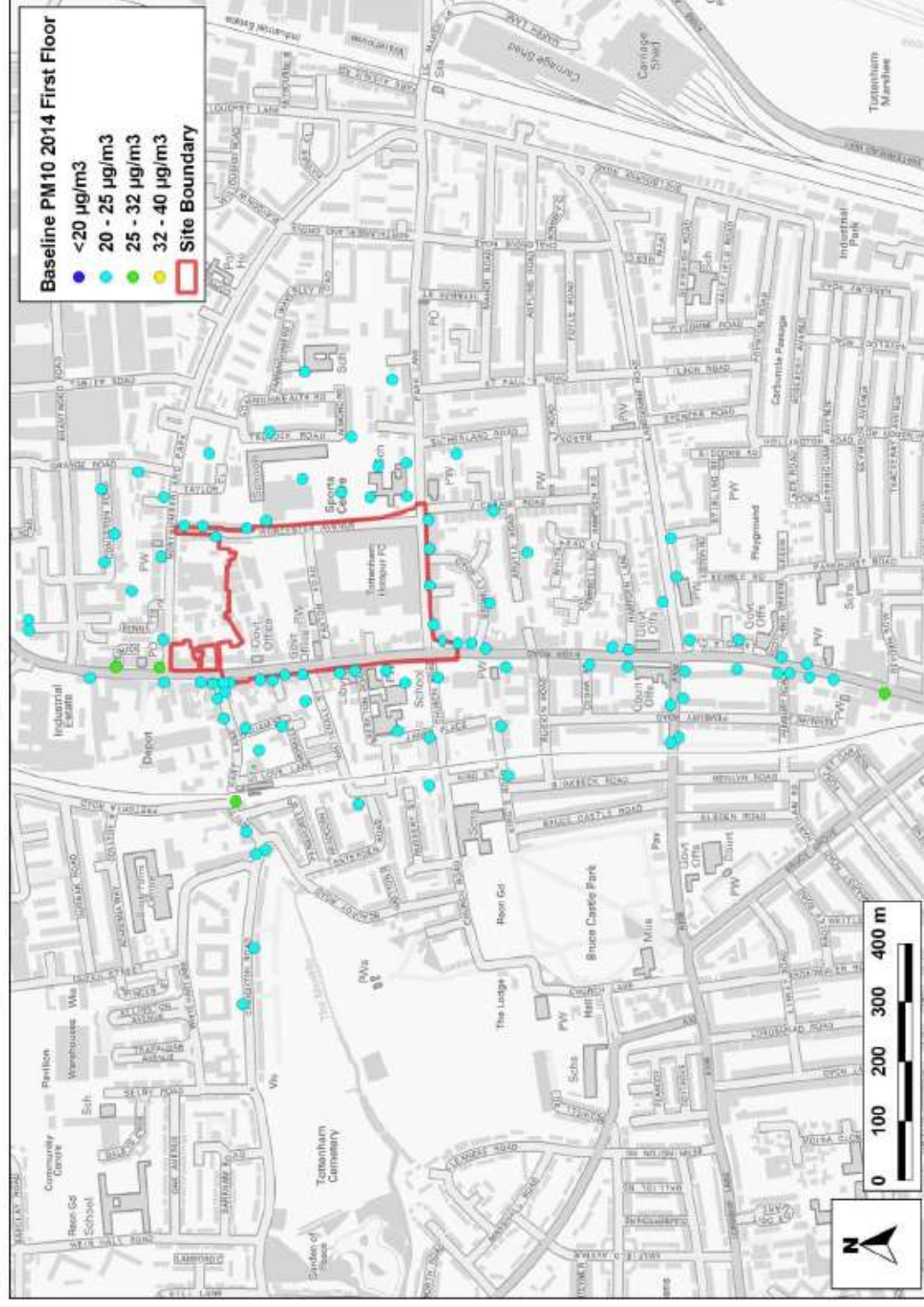
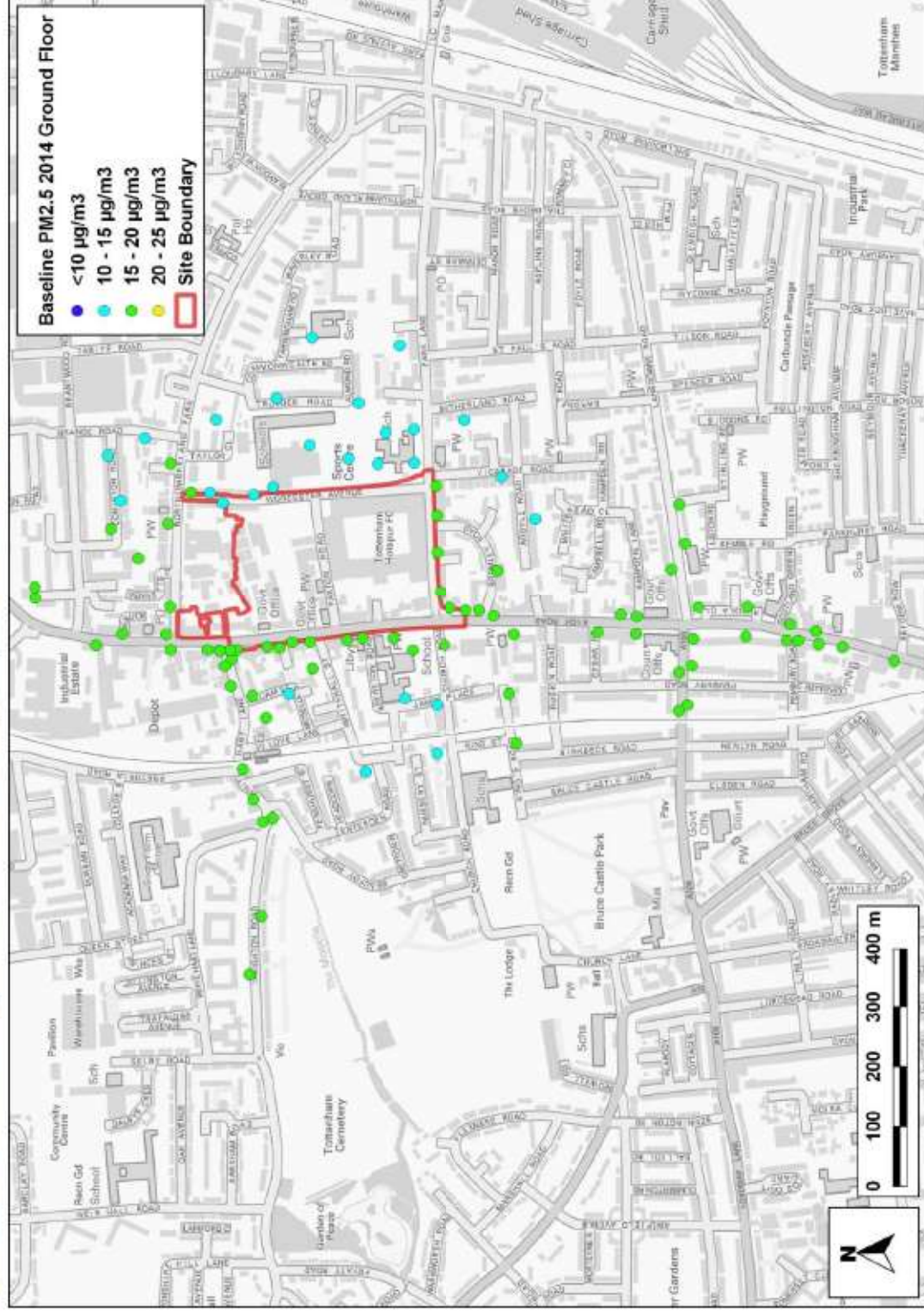


Figure A6.9.5: Baseline PM_{2.5} Concentrations in 2014 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level



[illegible]

Figure A6.9.7: Impact Descriptors NO₂ in 2016 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level "With Reduction"

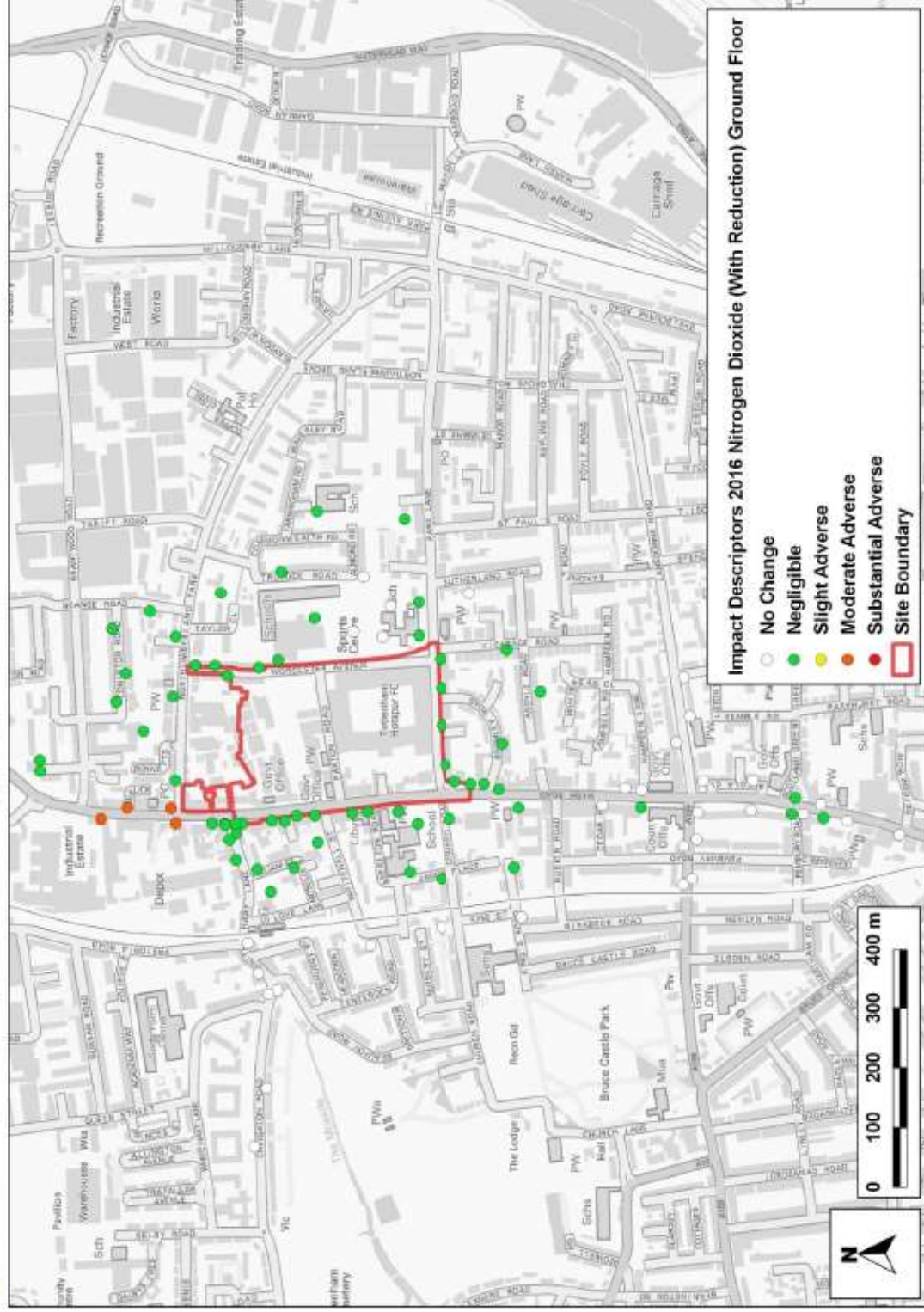


Figure A6.9.8: Impact Descriptors NO₂ in 2016 ($\mu\text{g}/\text{m}^3$) at First Floor Level “With Reduction”

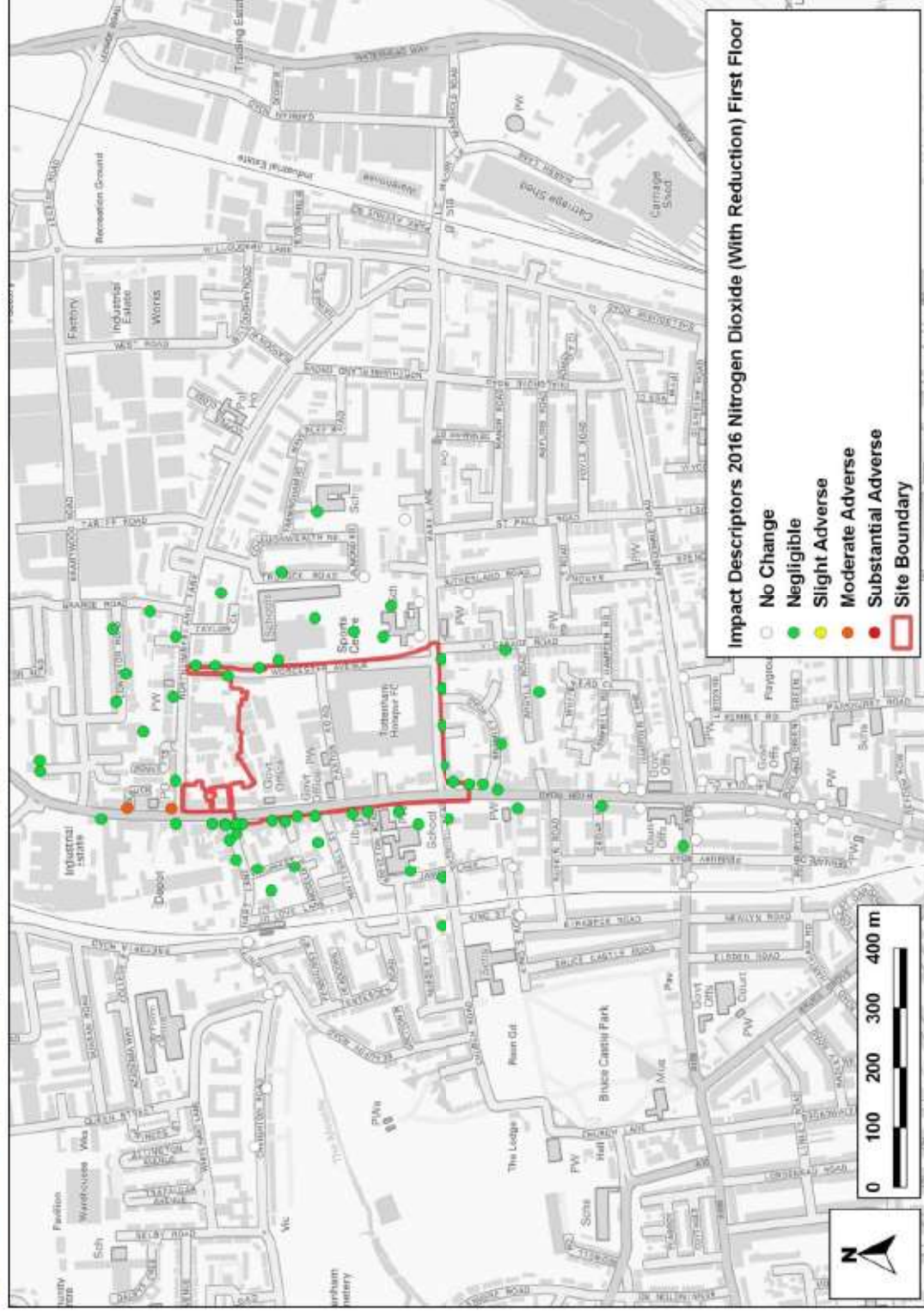


Figure A6.9.9: Impact Descriptors NO₂ in 2016 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level "Without Reduction"

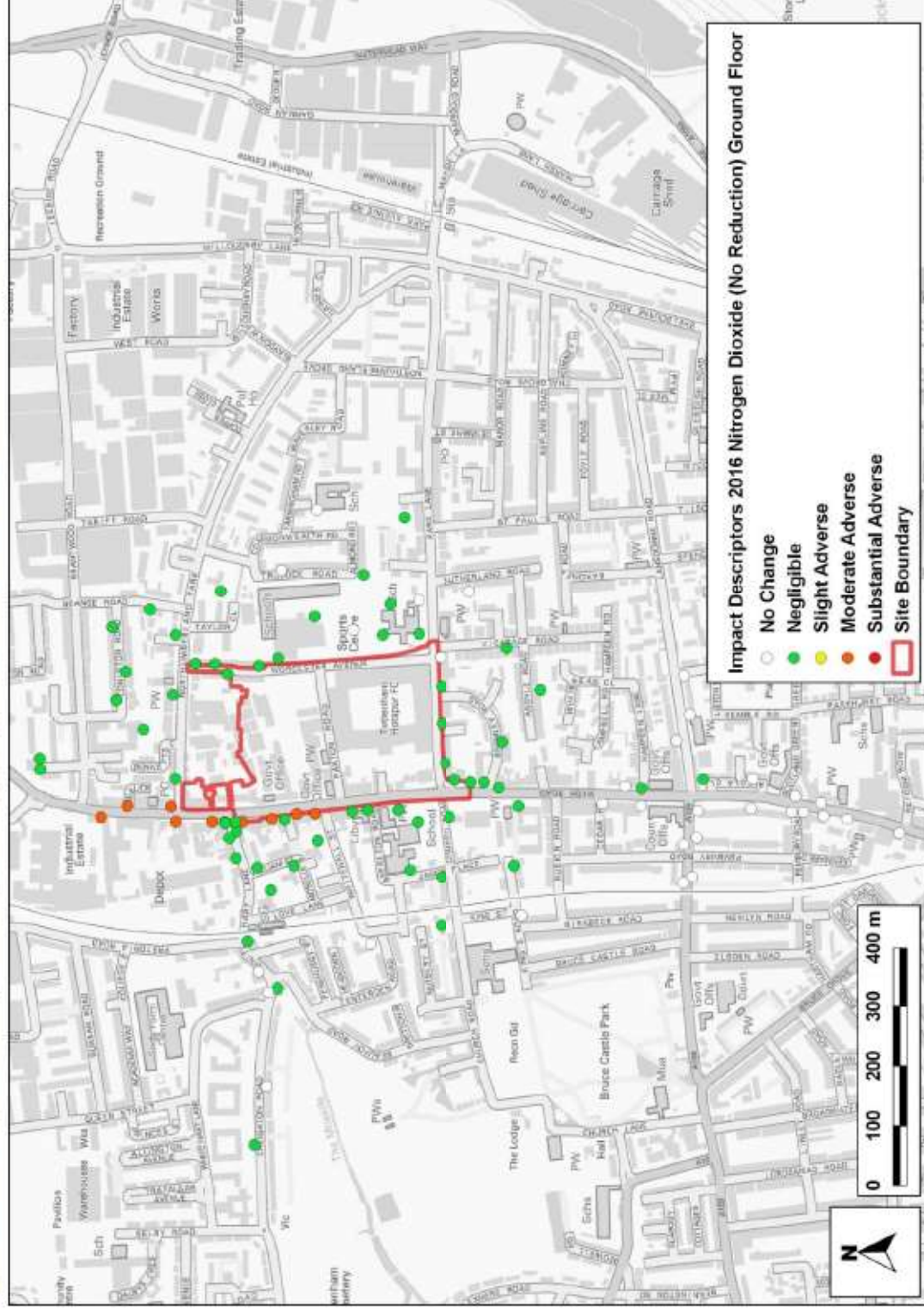


Figure A6.9.10: Impact Descriptors NO₂ in 2016 ($\mu\text{g}/\text{m}^3$) at First Floor Level “Without Reduction”

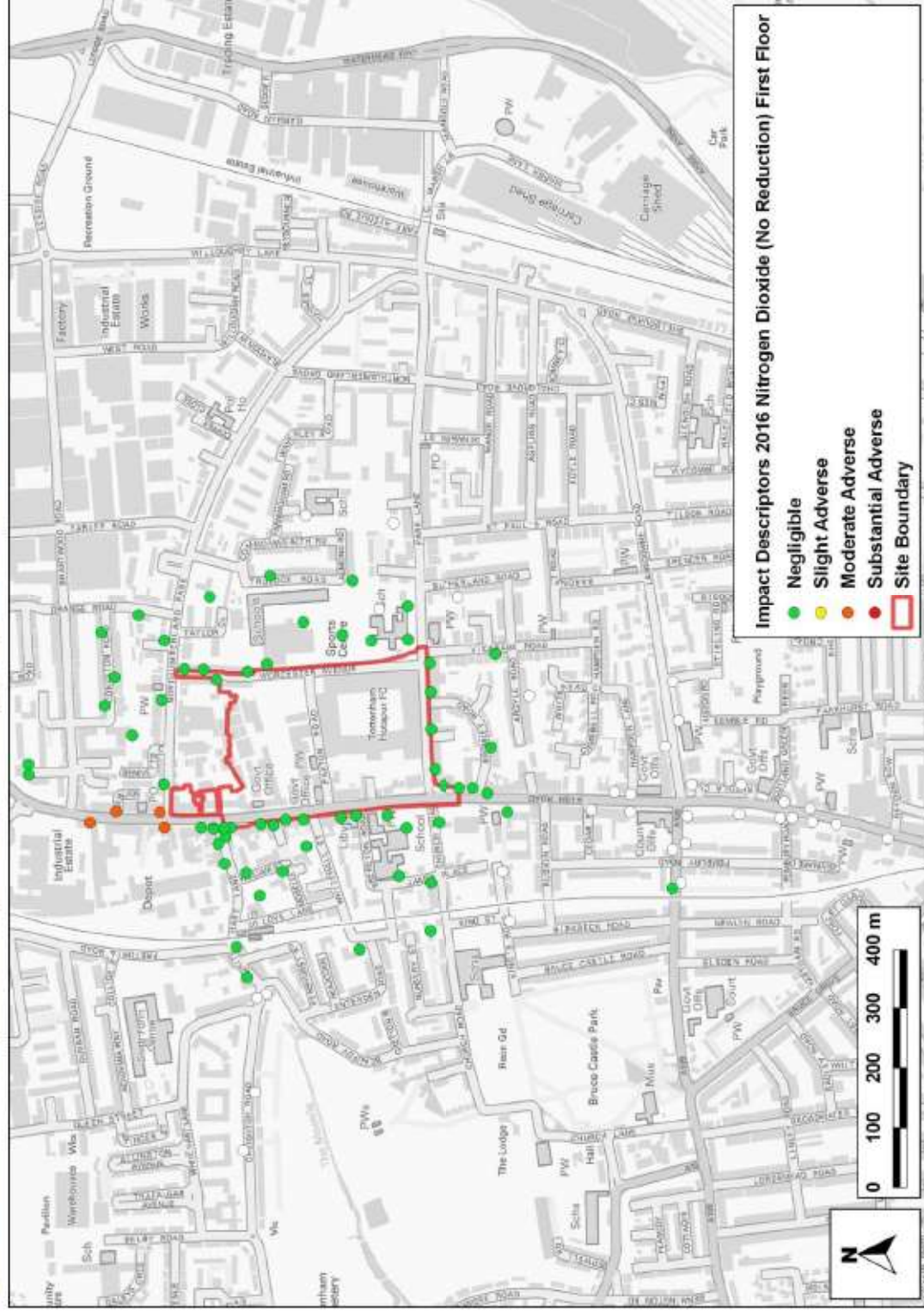


Figure A6.9.11: Impact Descriptors PM₁₀ in 2016 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level

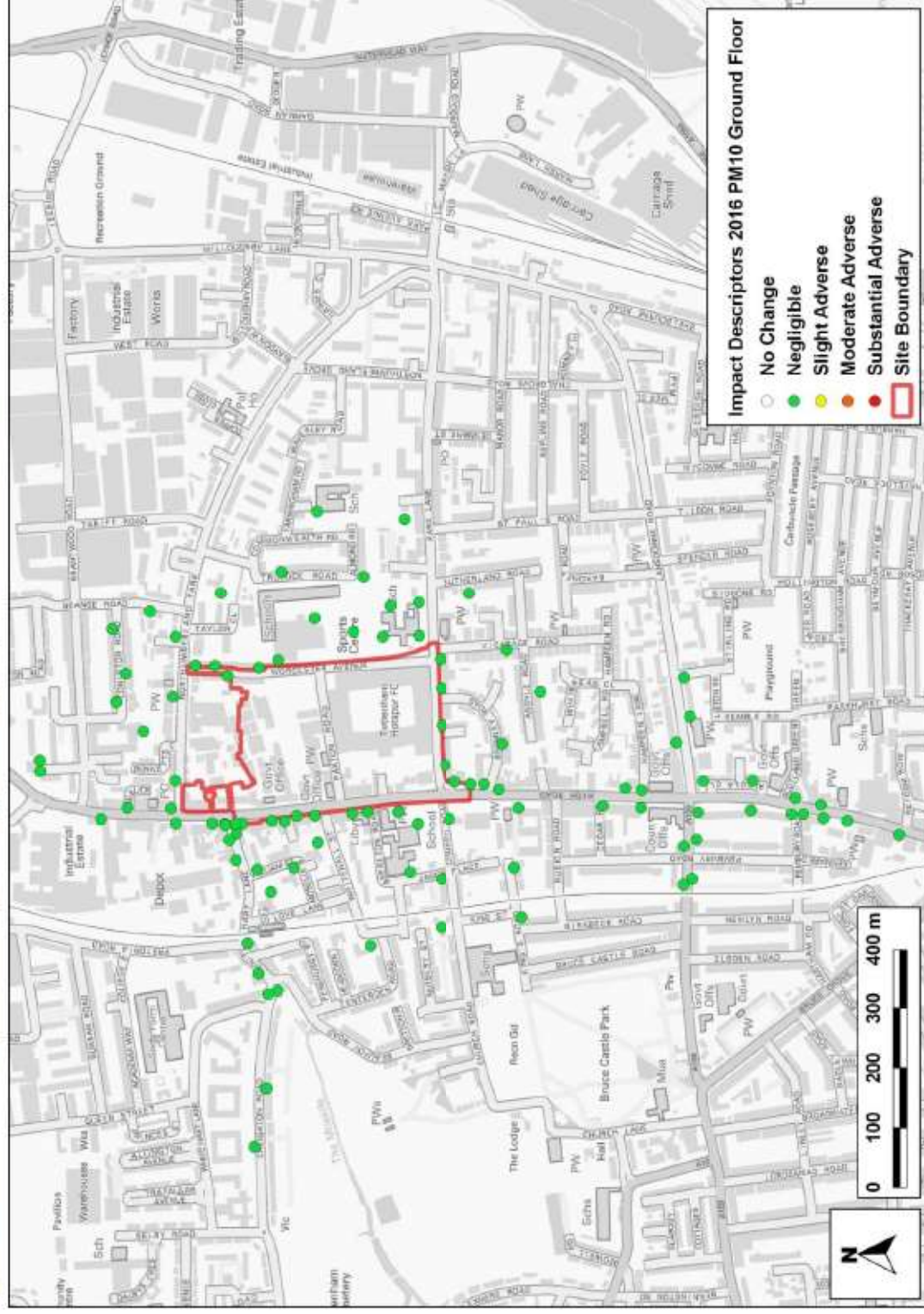


Figure A6.9.12: Impact Descriptors PM₁₀ in 2016 ($\mu\text{g}/\text{m}^3$) at First Floor Level

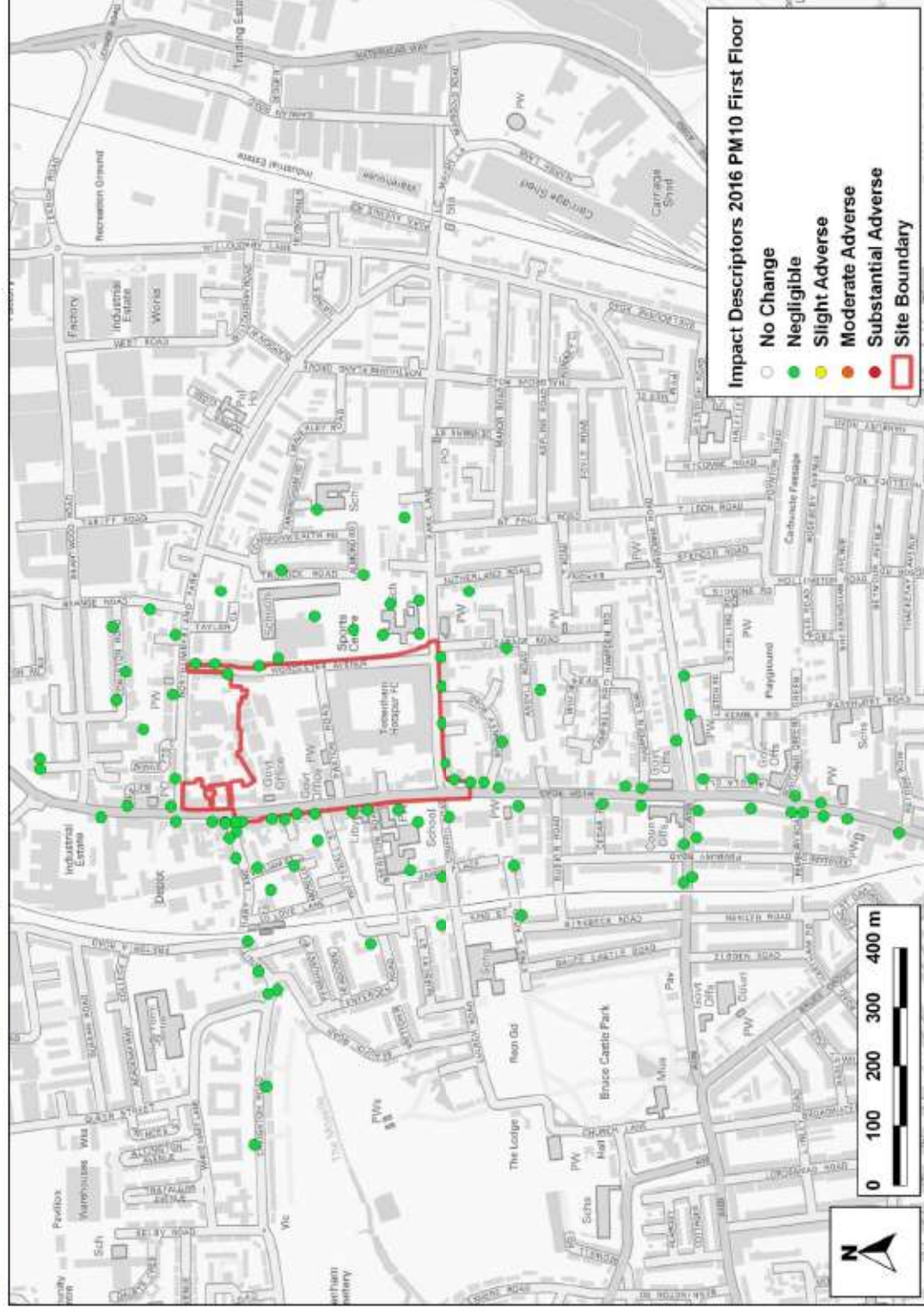


Figure A6.9.13: Impact Descriptors $PM_{2.5}$ in 2016 ($\mu g/m^3$) at Ground Floor Level

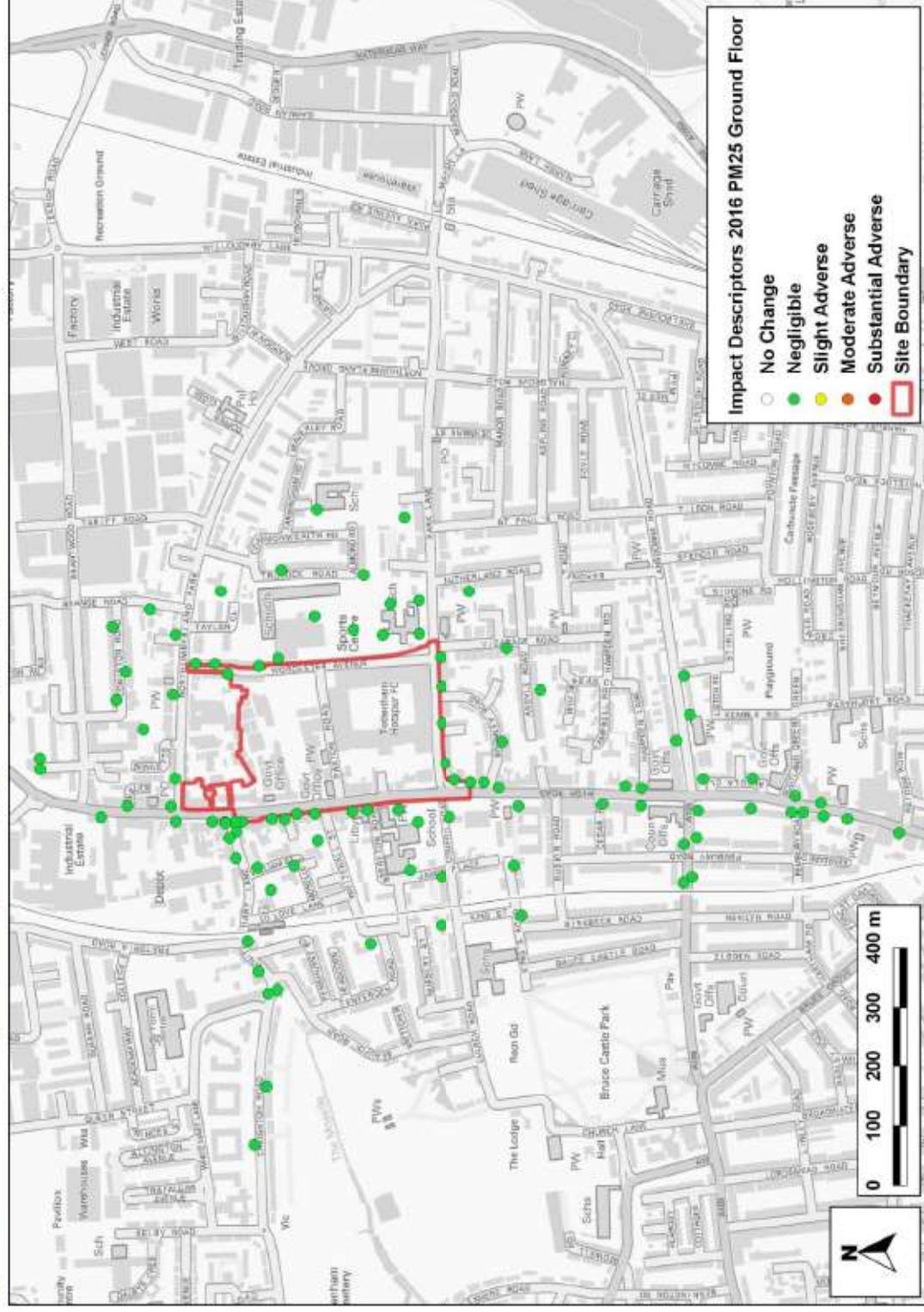


Figure A6.9.14: Impact Descriptors PM_{2.5} in 2016 (µg/m³) at First Floor Level

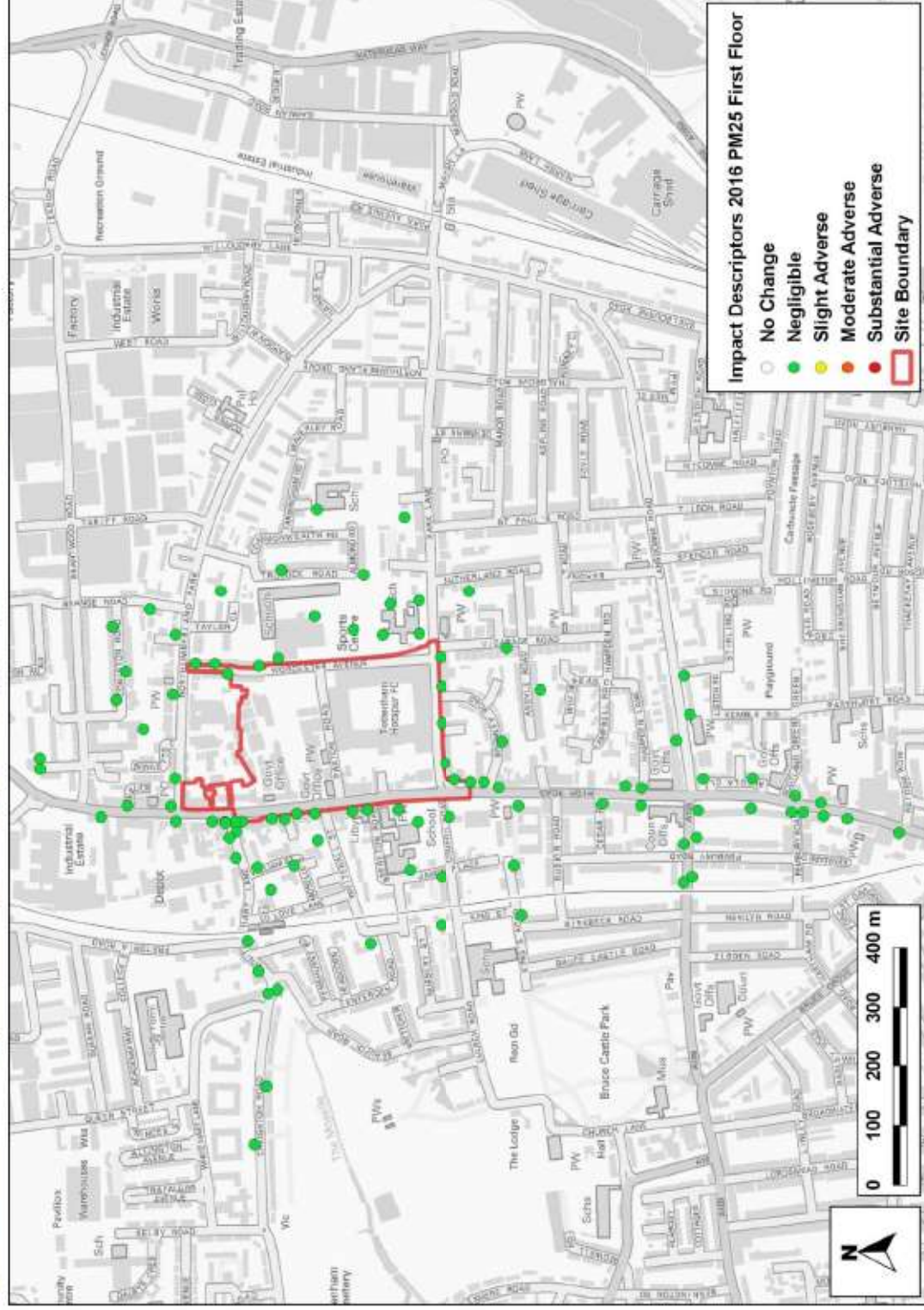


Figure A6.9.15: Impact Descriptors NO₂ in 2018 (µg/m³) at Ground Floor Level "With Reduction"

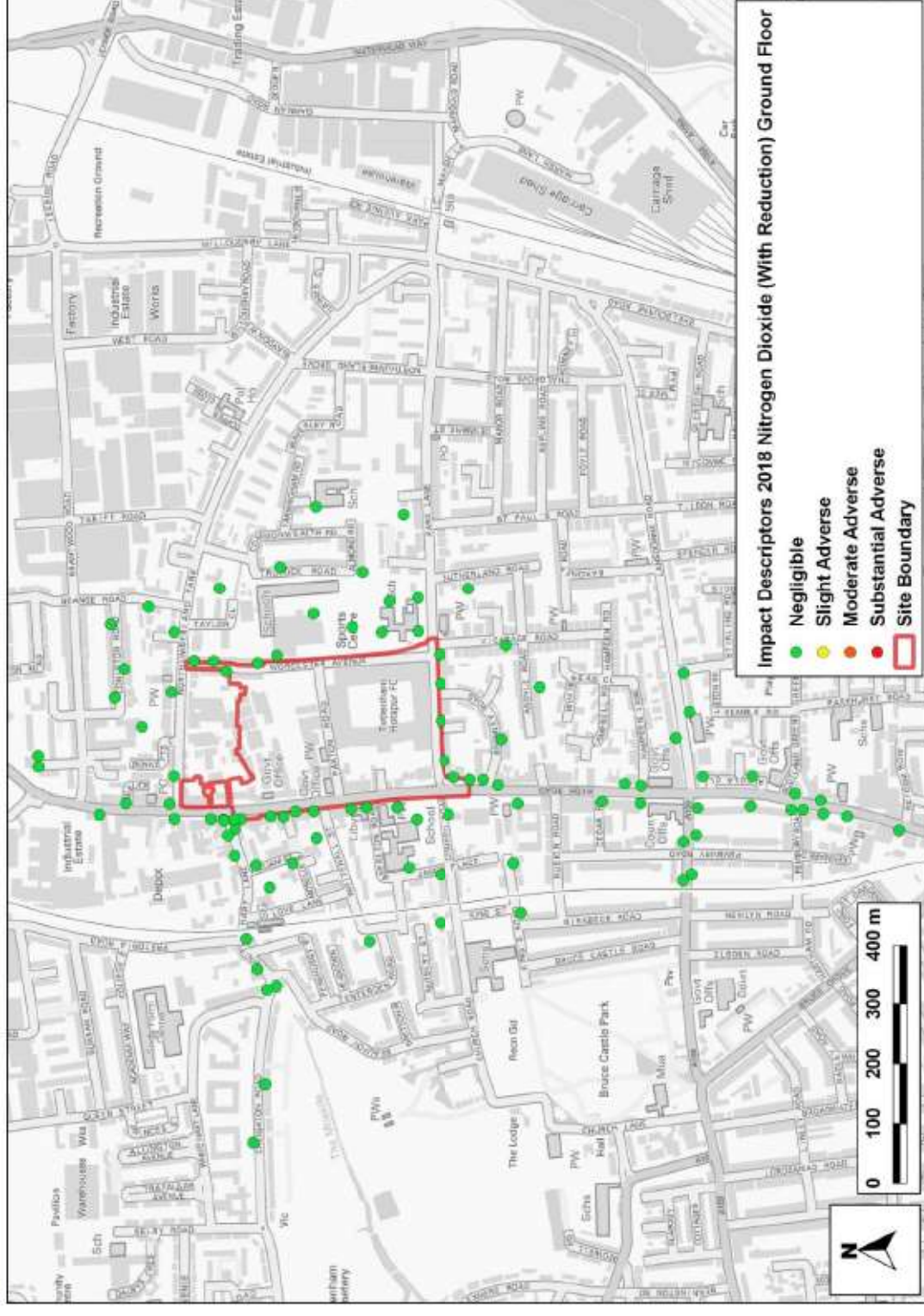


Figure A6.9.16: Impact Descriptors NO₂ in 2018 (µg/m³) at First Floor Level "With Reduction"

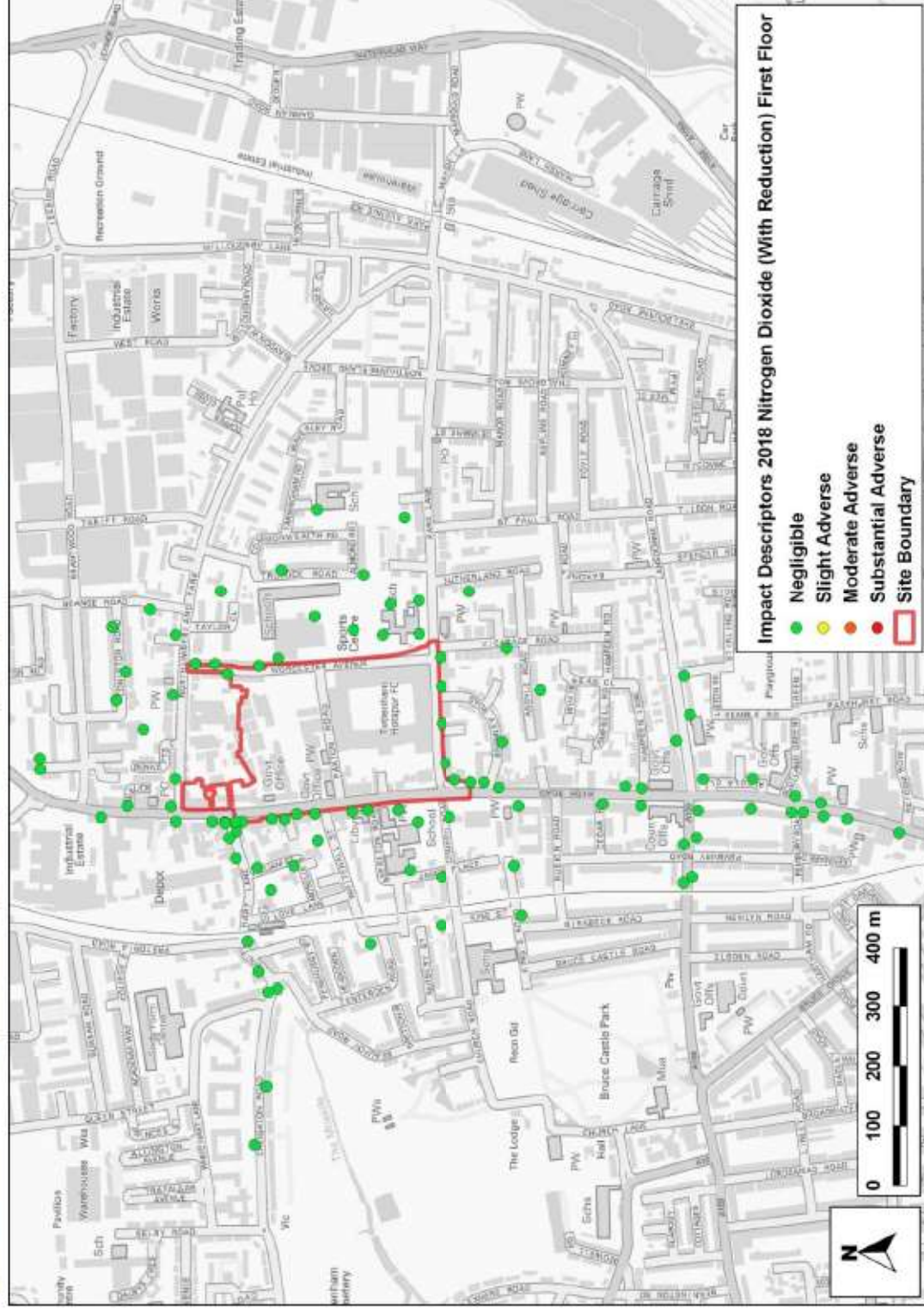


Figure A6.9.17: Impact Descriptors NO₂ in 2018 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level "Without Reduction"

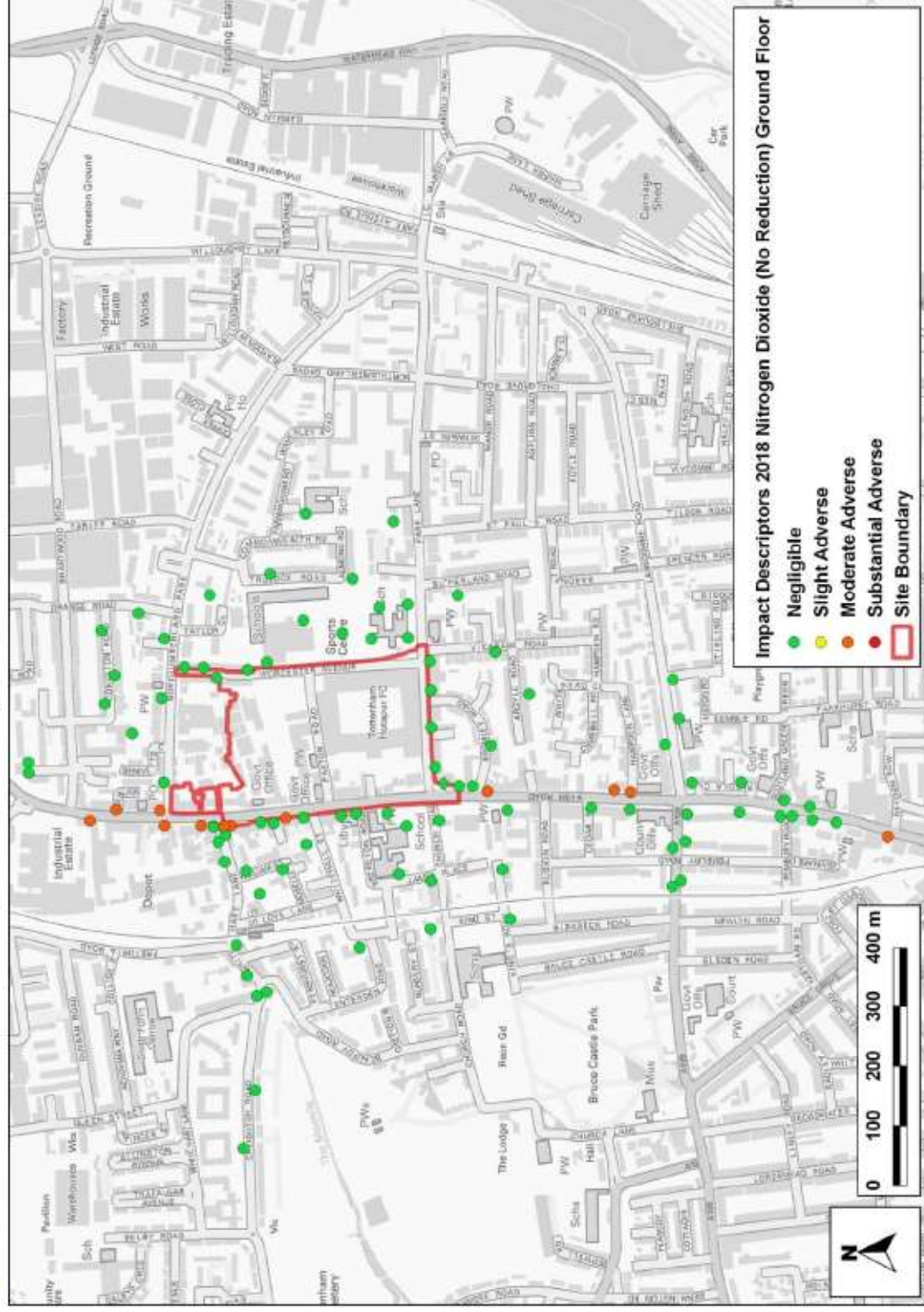


Figure A6.9.18: Impact Descriptors NO₂ in 2018 (µg/m³) at First Floor Level “Without Reduction”

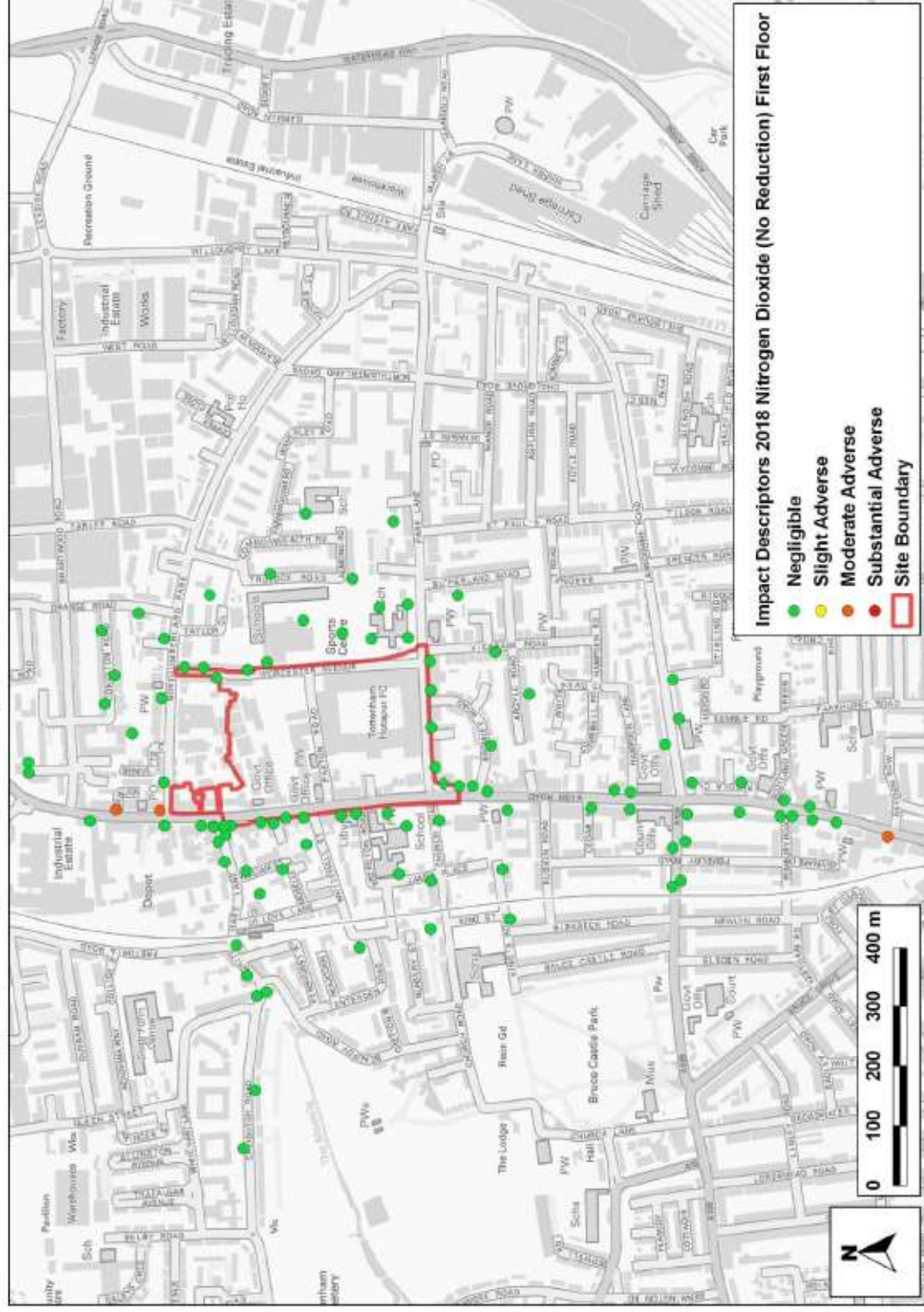


Figure A6.9.19: Impact Descriptors PM₁₀ in 2018 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level

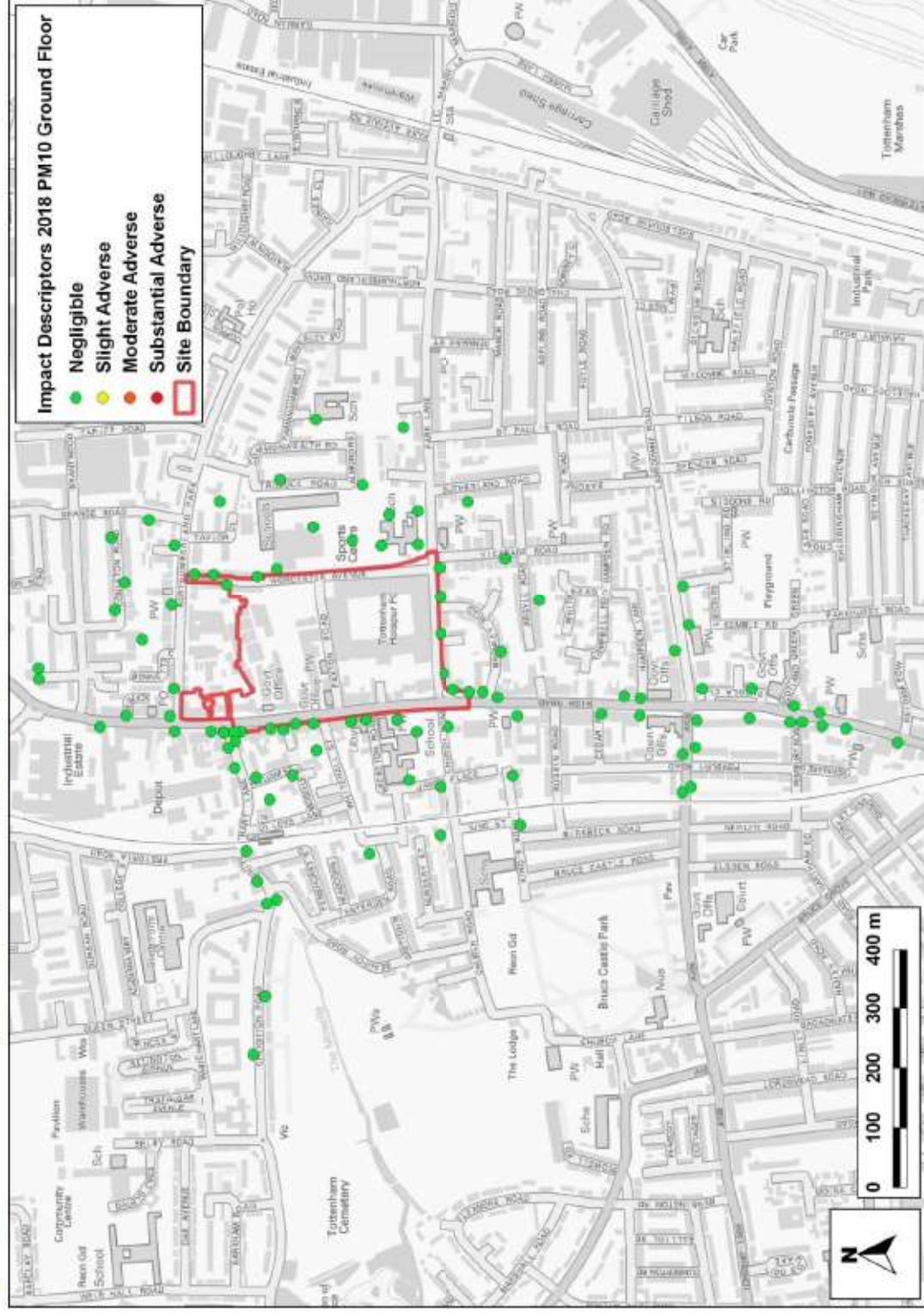


Figure A6.9.20:

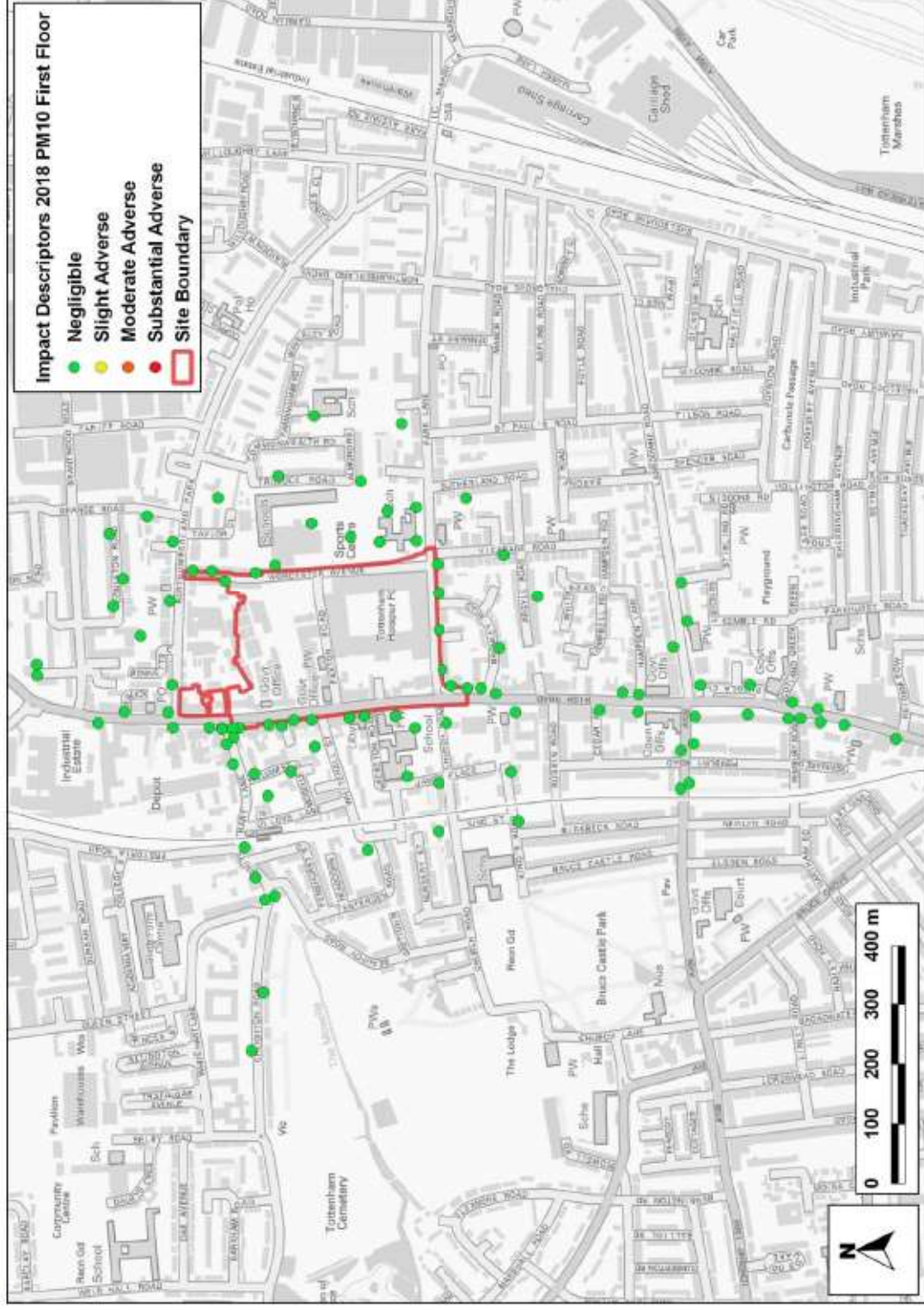


Figure A6.9.21: Impact Descriptors $PM_{2.5}$ in 2018 ($\mu g/m^3$) at Ground Floor Level

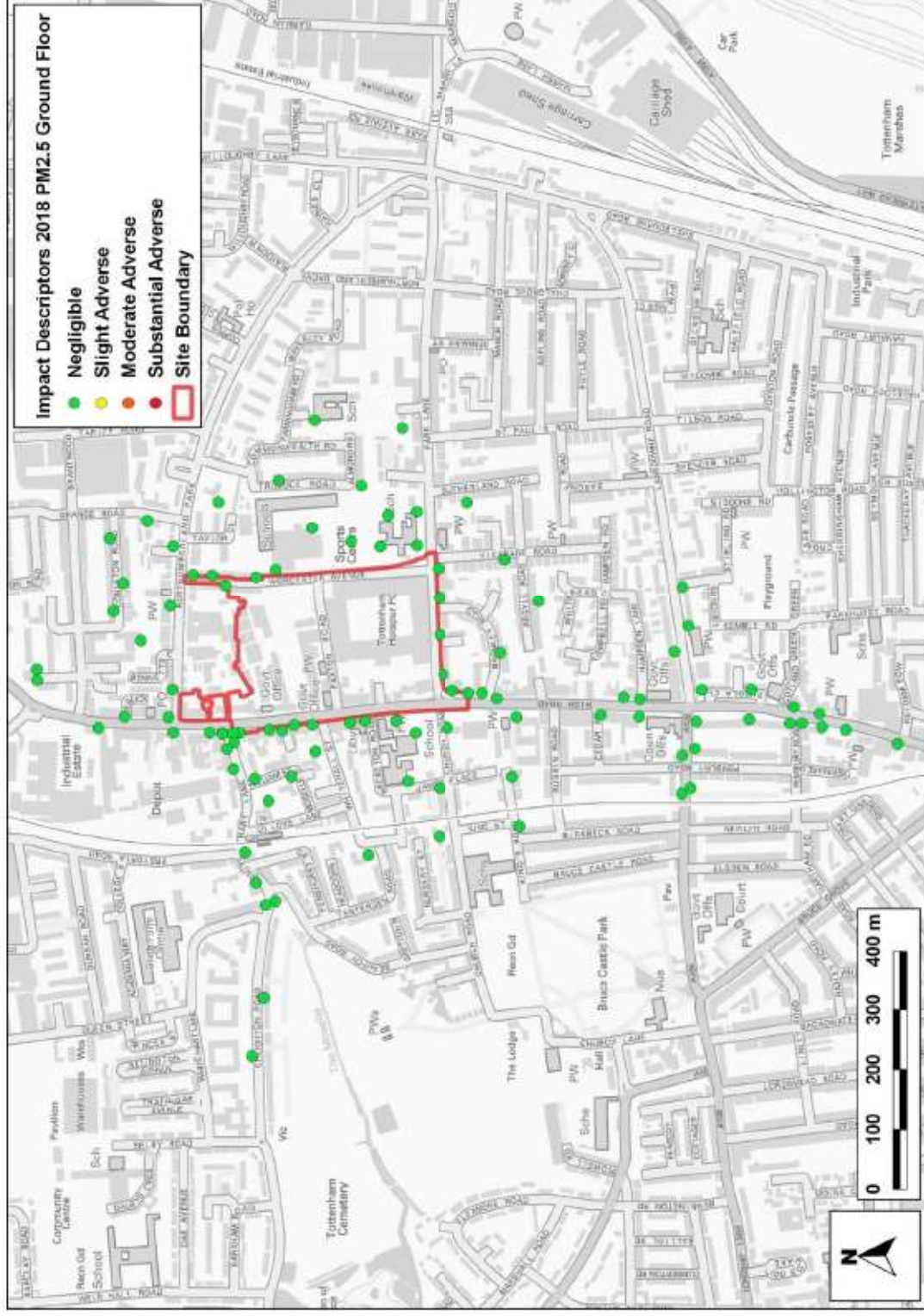


Figure A6.9.22: Impact Descriptors $PM_{2.5}$ in 2018 ($\mu g/m^3$) at First Floor Level

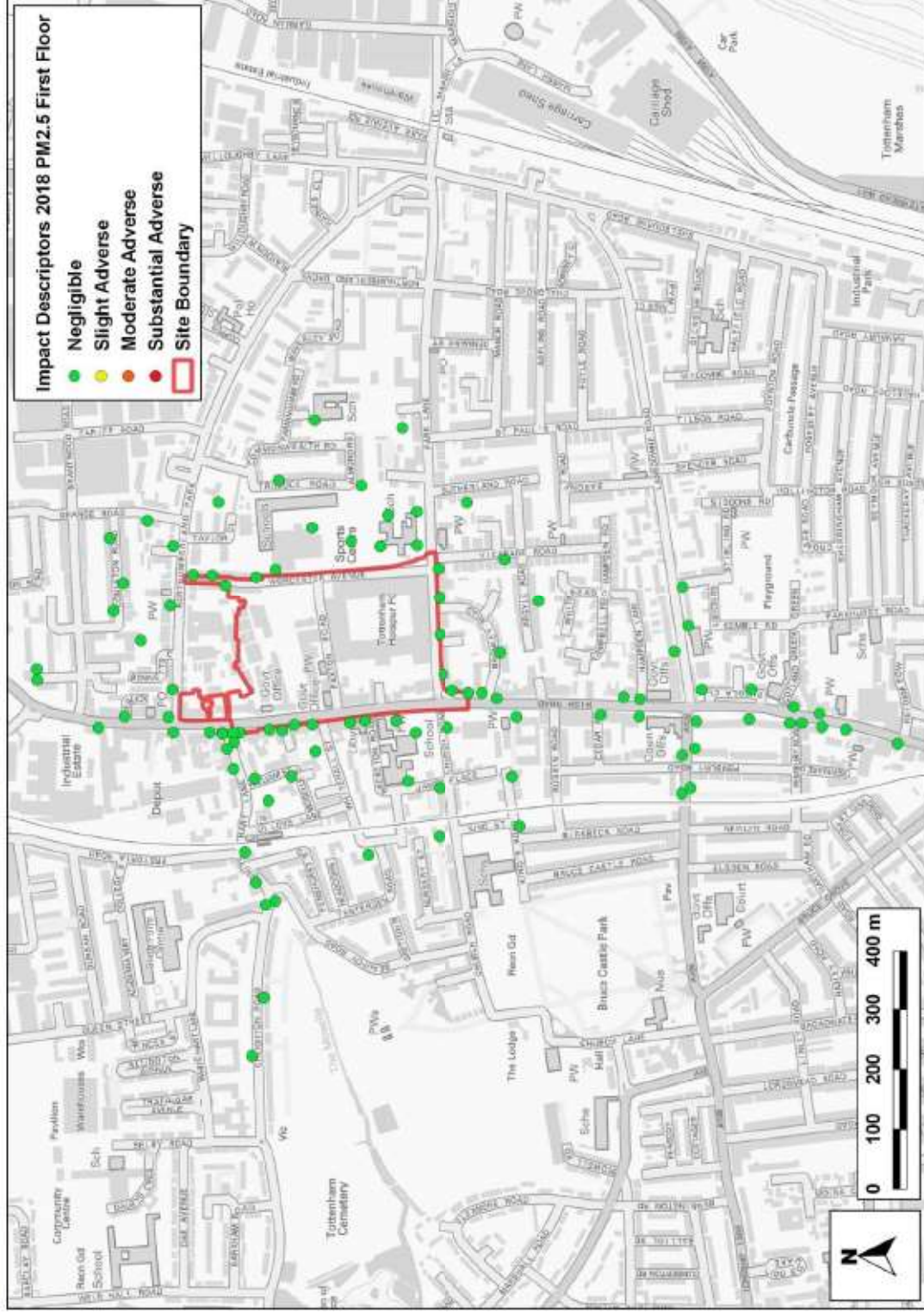


Figure A6.9.23: Impact Descriptors NO₂ in 2021 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level "With Reduction"

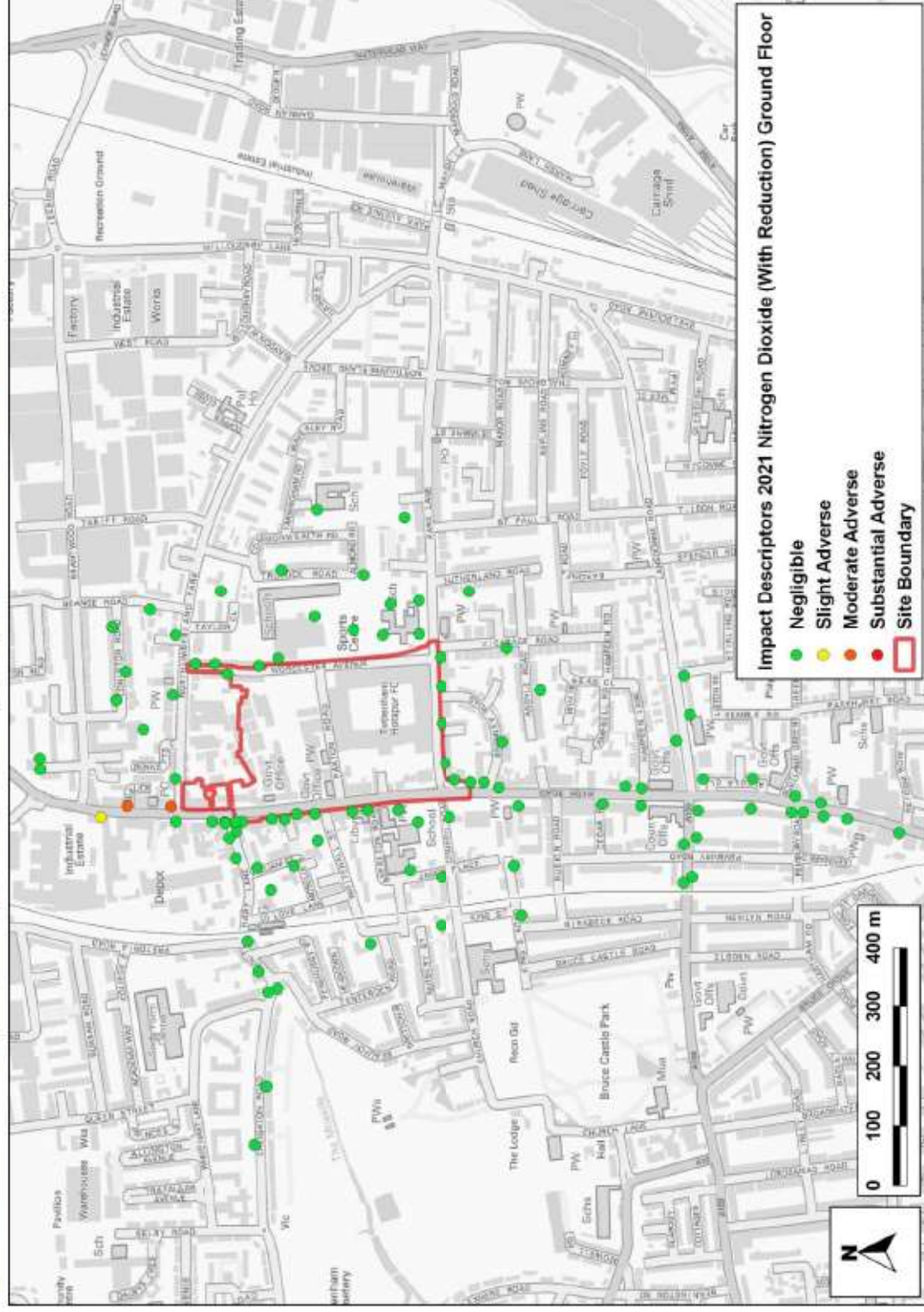


Figure A6.9.24: Impact Descriptors NO₂ in 2021 ($\mu\text{g}/\text{m}^3$) at First Floor Level "With Reduction"

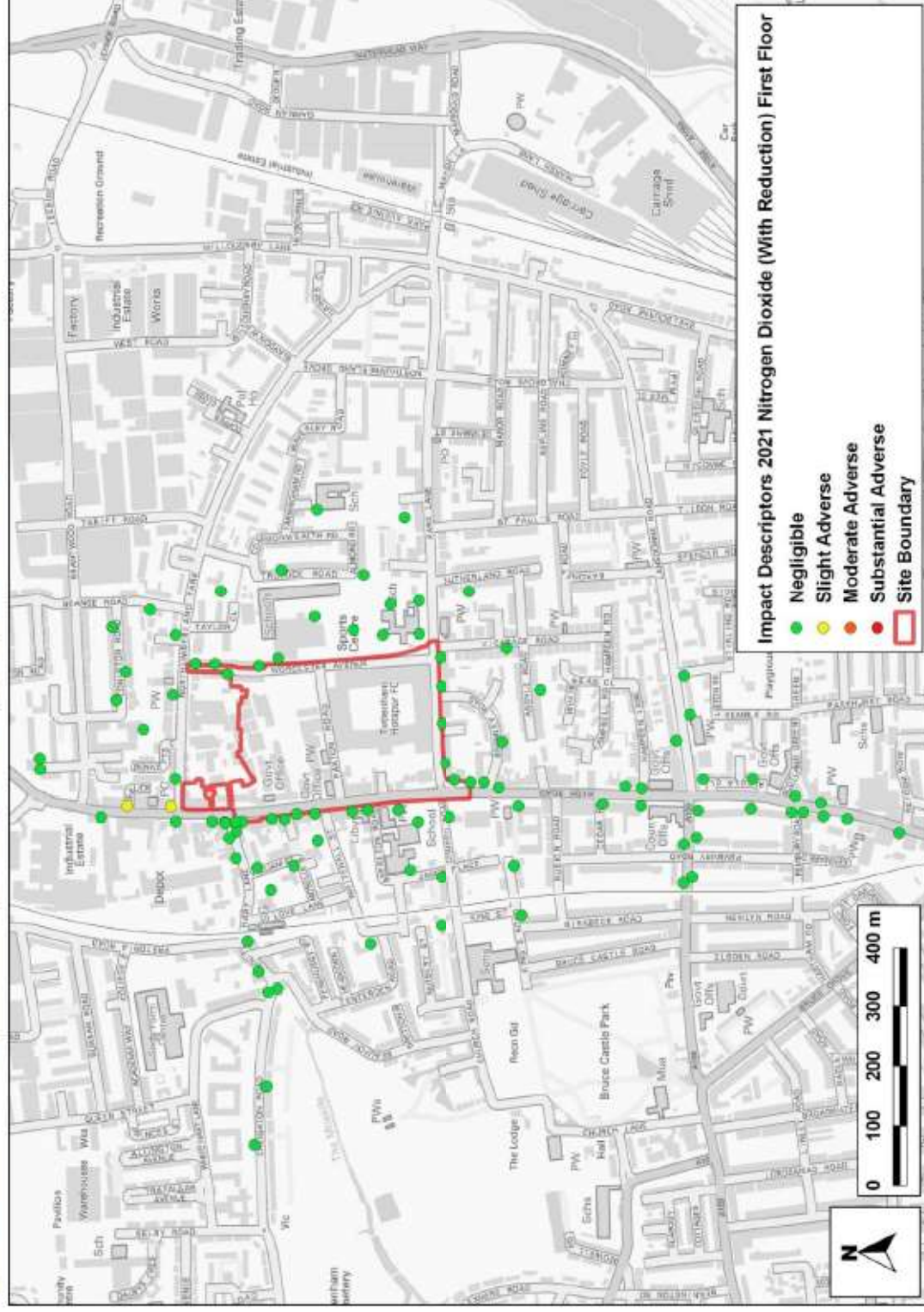


Figure A6.9.25: Impact Descriptors NO₂ in 2021 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level "Without Reduction"

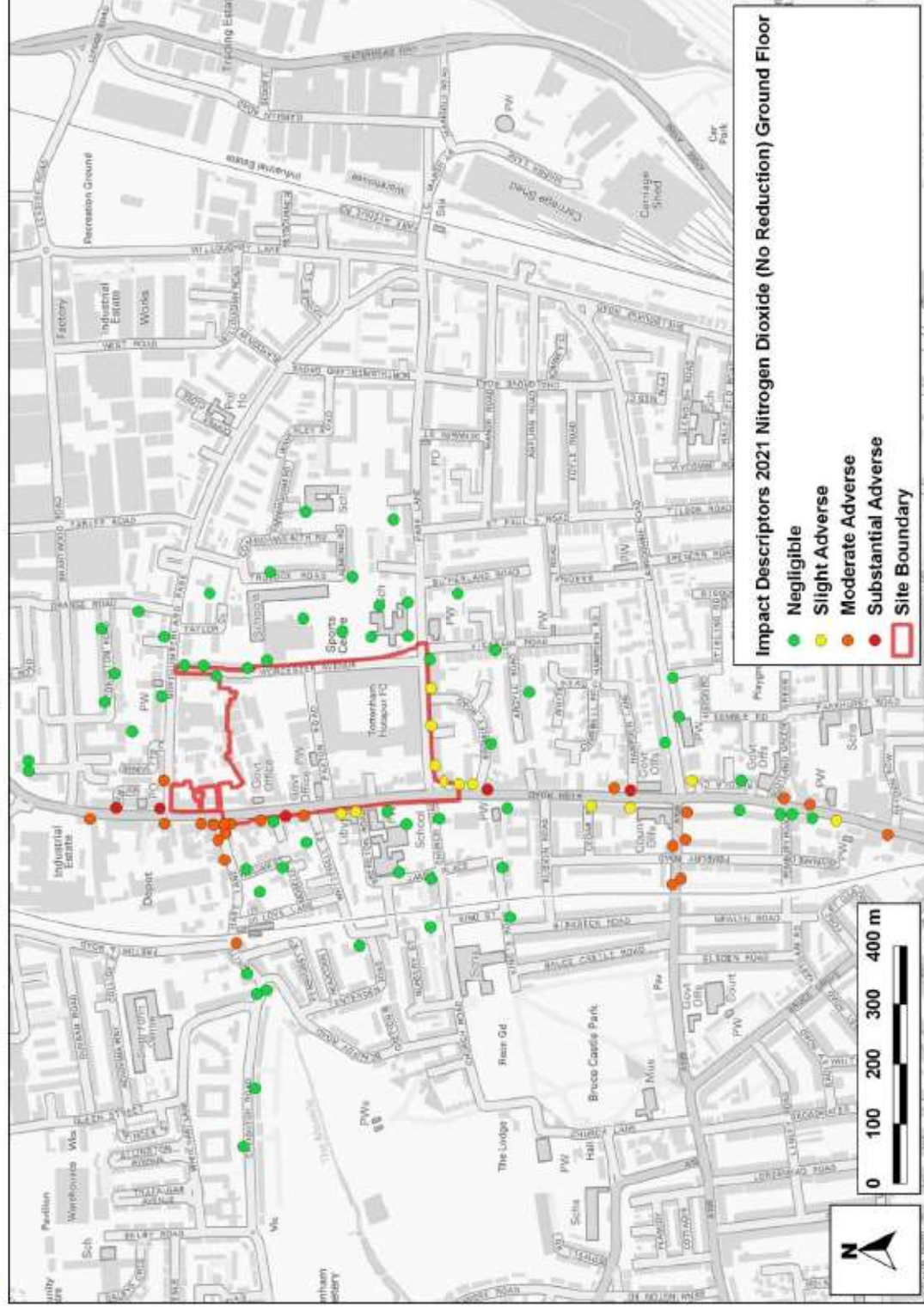


Figure A6.9.26: Impact Descriptors NO₂ in 2021 (µg/m³) at First Floor Level “Without Reduction”

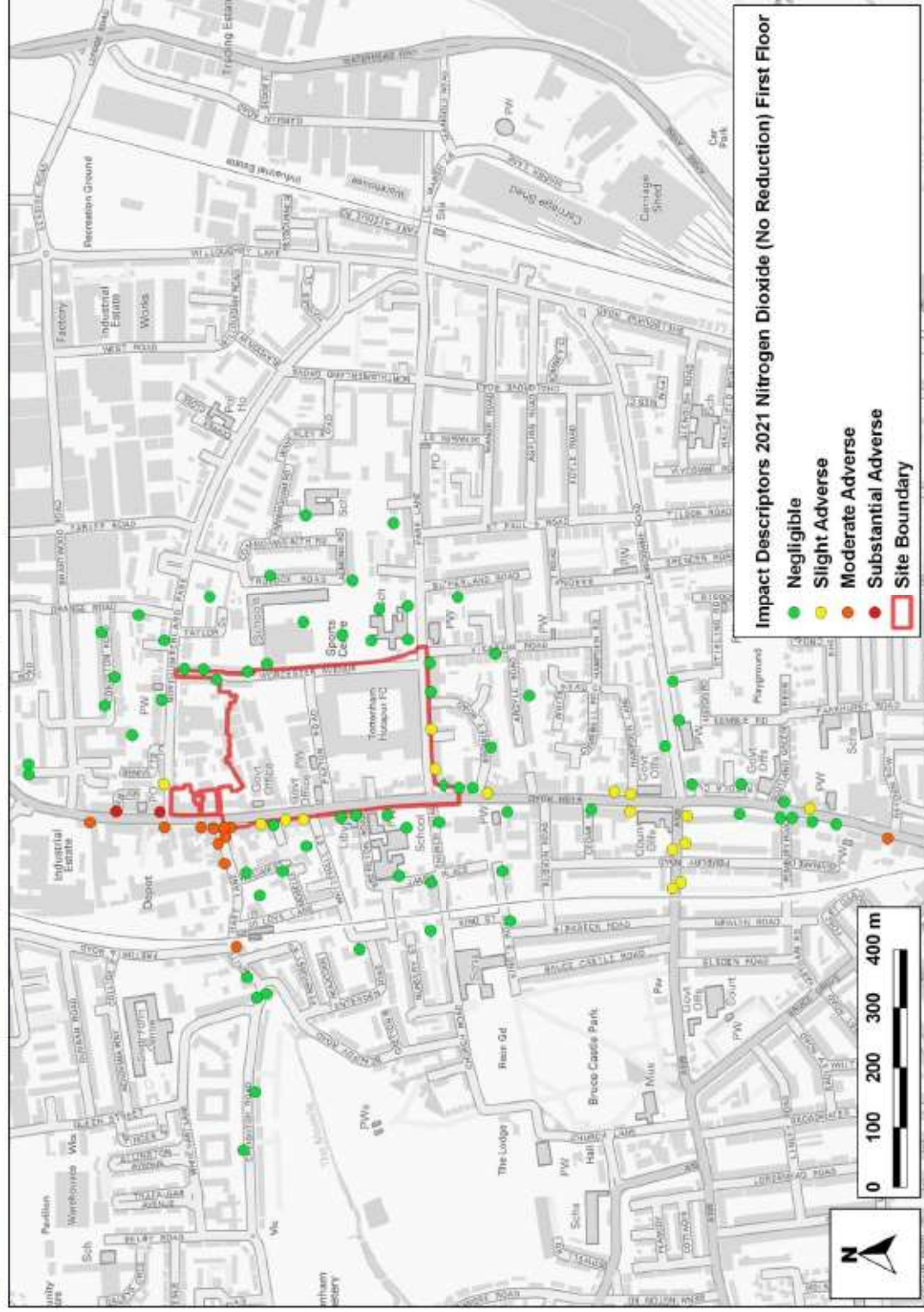


Figure A6.9.27: Impact Descriptors PM_{10} in 2021 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level

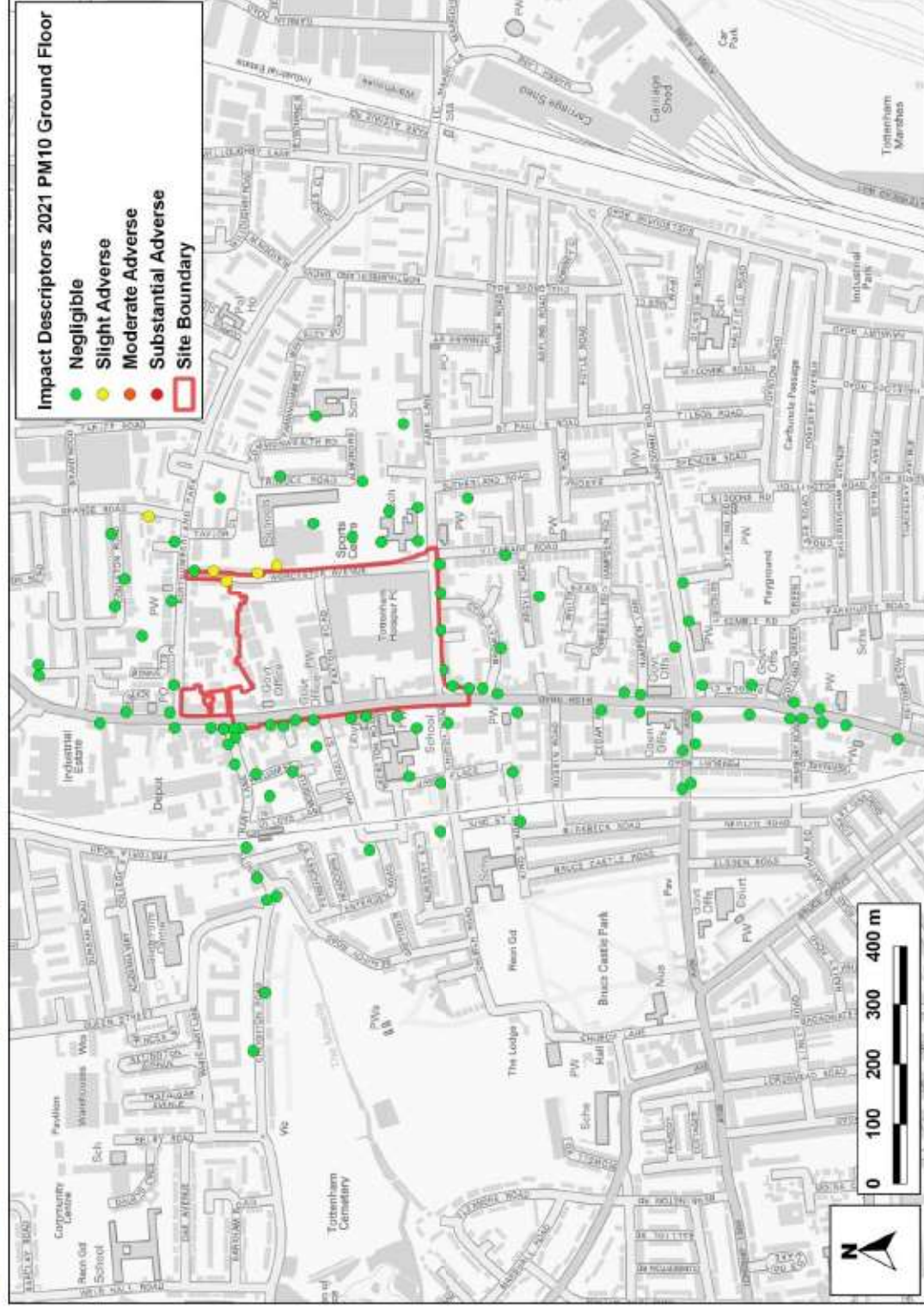


Figure A6.9.28:

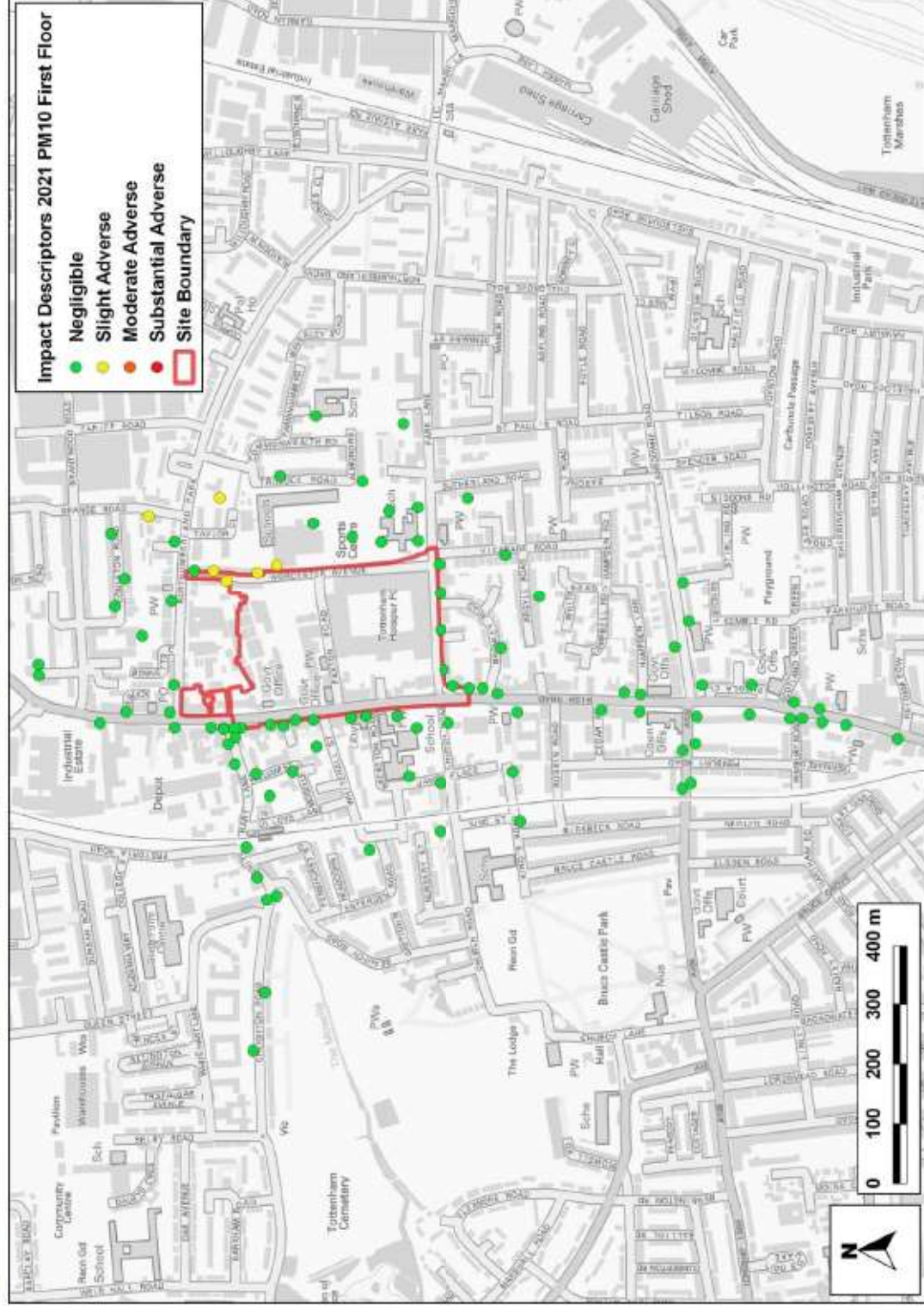


Figure A6.9.29: Impact Descriptors PM_{2.5} in 2021 ($\mu\text{g}/\text{m}^3$) at Ground Floor Level

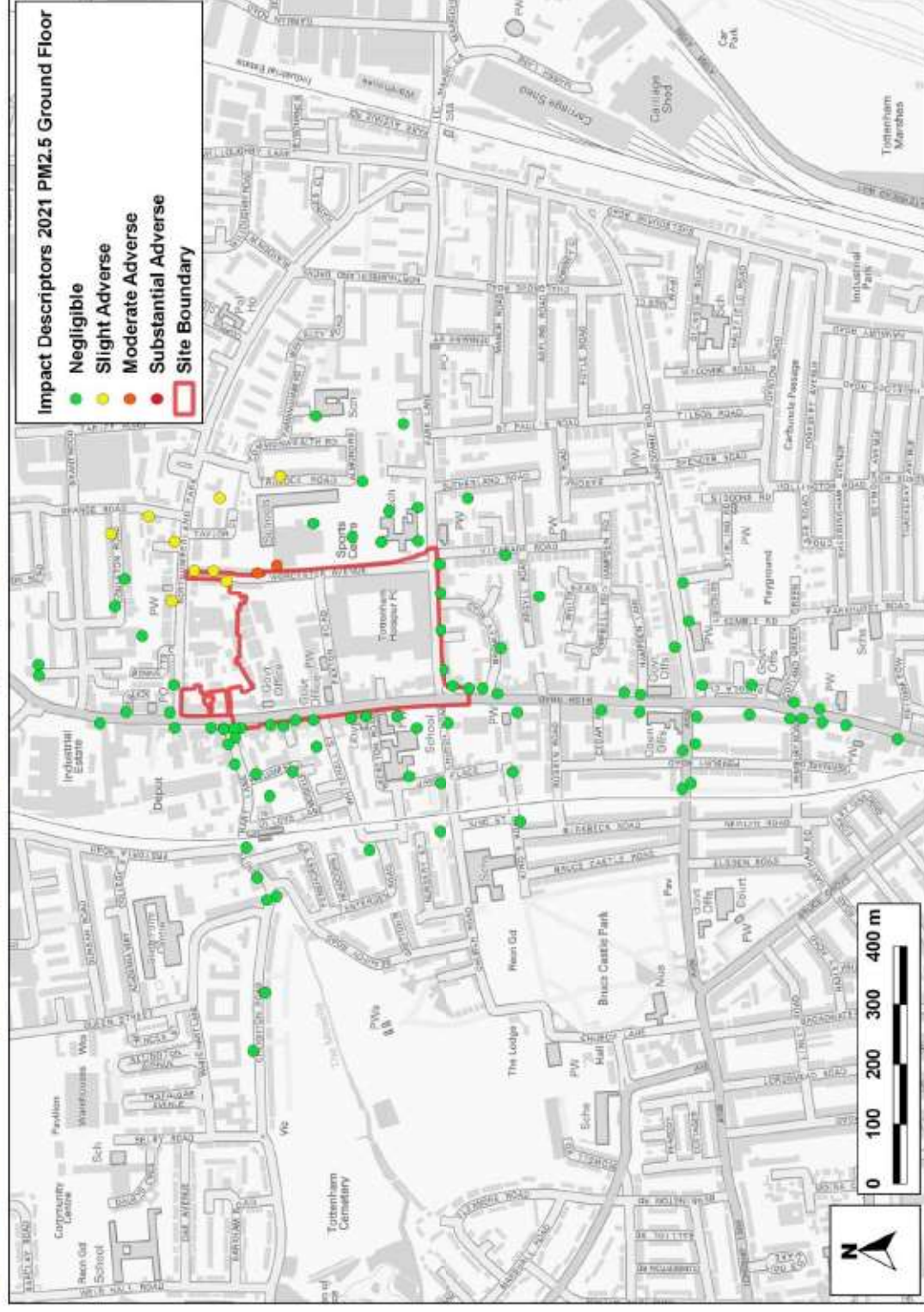


Figure A6.9.30: Impact Descriptors $PM_{2.5}$ in 2021 ($\mu g/m^3$) at First Floor Level

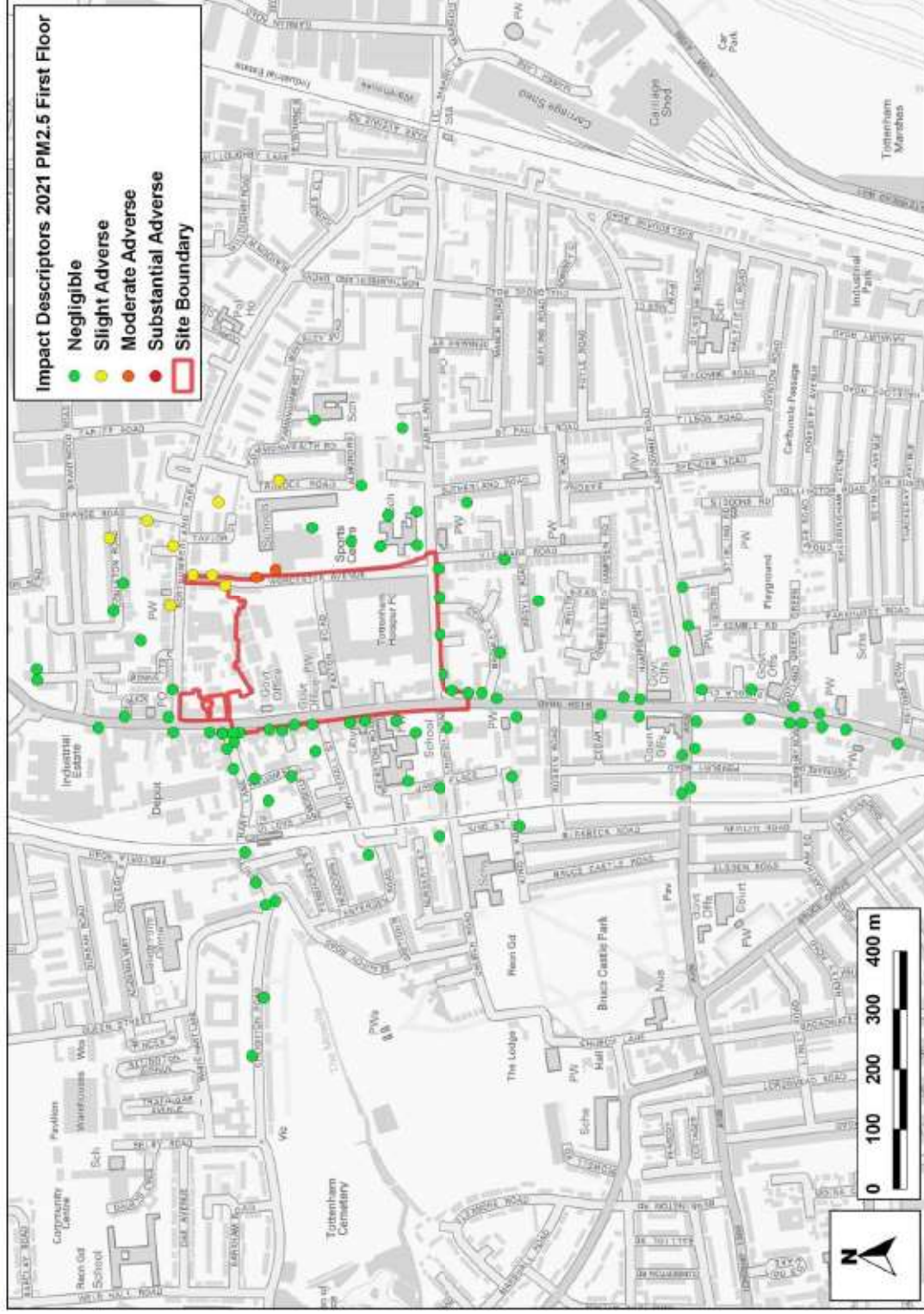


Table A6.9.1: Baseline Results in 2014, 2018 and 2021

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)			
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021	
		2018	2021											2018
Ground Level (1.5m above the ground)														
1	31.0	26.3	23.2	29.4	28.7	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
2	31.4	26.6	23.4	29.8	29.1	22.0	21.1	20.5	6	5	4	15.1	14.3	13.9
3	32.3	27.3	23.9	30.7	30.0	22.1	21.2	20.7	7	5	4	15.2	14.3	14.0
4	34.7	29.0	25.3	33.1	32.4	22.5	21.5	20.9	7	6	5	15.4	14.5	14.1
5	38.0	31.4	27.0	36.5	35.8	22.9	21.9	21.2	8	6	5	15.7	14.8	14.2
6	39.7	32.7	28.0	38.2	37.5	23.2	22.2	21.4	9	7	5	15.9	14.9	14.3
7	39.6	32.6	27.9	38.1	37.4	23.2	22.2	21.5	9	7	5	15.9	14.9	14.3
8	45.6	37.0	31.4	44.1	43.4	24.4	23.2	22.3	11	9	7	16.6	15.5	14.8
9	44.4	36.1	30.6	42.9	42.2	24.4	23.2	22.3	11	9	7	16.6	15.5	14.8
10	47.2	38.3	32.4	45.7	45.1	24.6	23.4	22.5	12	9	7	16.7	15.6	14.9
11	37.1	30.8	26.6	35.6	34.9	23.1	22.1	21.5	8	7	5	15.8	14.9	14.3
12	35.0	29.3	25.4	33.5	32.8	22.8	21.8	21.2	8	6	5	15.6	14.7	14.2
13	35.9	29.9	25.9	34.4	33.6	23.0	22.0	21.3	8	6	5	15.7	14.8	14.2
14	40.9	33.6	28.7	39.4	38.6	23.6	22.6	21.8	9	7	6	16.1	15.1	14.5
15	37.6	31.1	26.8	36.1	35.4	23.1	22.1	21.5	8	7	5	15.8	14.9	14.3
16	43.1	35.0	29.7	41.6	40.9	24.2	23.1	22.3	11	8	7	16.4	15.4	14.8
17	45.0	36.4	30.8	43.5	42.8	24.6	23.5	22.6	12	9	7	16.7	15.6	15.0
18	51.3	41.1	34.4	49.8	49.2	25.9	24.6	23.6	15	12	9	17.5	16.3	15.5
19	41.3	33.8	28.8	39.8	39.1	24.0	22.9	22.2	10	8	7	16.3	15.3	14.7
20	39.2	32.2	27.6	37.7	36.9	23.6	22.6	21.9	9	7	6	16.1	15.1	14.6

Receptor name	NO ₂ (µg/m ³)						PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction		2021	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021	2018	2021										
21	39.2	32.2	27.6	37.7	36.9		23.6	22.6	21.9	9	7	6	16.0	15.1	14.5
22	37.6	31.1	26.8	36.1	35.4		23.3	22.3	21.7	9	7	6	15.9	14.9	14.4
23	37.2	30.9	26.6	35.7	35.0		23.1	22.1	21.5	8	7	5	15.8	14.8	14.3
24	45.8	37.7	32.2	44.3	43.6		24.8	23.6	22.6	12	9	7	16.8	15.7	15.0
25	42.9	35.6	30.6	41.5	40.7		24.4	23.2	22.4	11	9	7	16.6	15.5	14.8
26	45.0	37.3	32.0	43.6	42.9		25.2	24.0	23.0	13	10	8	17.1	15.9	15.2
27	43.9	36.4	31.2	42.4	41.7		25.0	23.8	22.8	12	10	8	16.9	15.8	15.1
28	43.4	36.0	30.9	41.9	41.2		24.5	23.3	22.5	11	9	7	16.6	15.6	14.9
29	42.4	34.7	29.6	40.9	40.2		23.9	22.8	22.0	10	8	6	16.2	15.2	14.6
30	40.6	33.3	28.4	39.1	38.4		23.7	22.7	21.9	10	7	6	16.2	15.2	14.6
31	33.9	28.4	24.7	32.4	31.6		22.5	21.5	21.0	7	6	5	15.4	14.5	14.0
32	32.1	27.1	23.7	30.6	29.8		22.1	21.2	20.7	6	5	4	15.2	14.3	13.9
33	31.6	26.7	23.5	30.0	29.3		22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
34	34.2	28.6	24.9	32.7	31.9		22.4	21.4	20.8	7	5	4	15.3	14.5	14.0
35	39.6	32.6	28.0	38.0	37.3		23.2	22.1	21.4	8	6	5	15.8	14.9	14.3
36	39.6	32.6	28.0	38.1	37.4		23.2	22.1	21.4	8	6	5	15.8	14.9	14.3
37	46.8	38.1	32.3	45.3	44.6		24.3	23.1	22.2	11	8	7	16.6	15.5	14.8
38	44.8	36.5	31.1	43.3	42.6		24.0	22.8	21.9	10	8	6	16.4	15.3	14.6
39	37.2	30.8	26.6	35.7	35.0		22.8	21.7	21.1	8	6	5	15.6	14.7	14.1
40	45.1	36.8	31.3	43.6	43.0		24.1	22.9	22.0	10	8	6	16.4	15.3	14.6
41	47.9	39.0	33.1	46.4	45.7		24.5	23.3	22.3	11	9	7	16.7	15.6	14.8
42	53.2	43.4	36.8	51.7	51.1		25.5	24.2	23.0	14	10	8	17.4	16.1	15.2
43	50.2	41.1	35.0	48.7	48.1		25.0	23.7	22.6	12	10	7	17.0	15.8	15.0
44	33.9	28.5	24.8	32.4	31.6		22.3	21.4	20.8	7	5	4	15.3	14.4	13.9

Receptor name	NO ₂ (µg/m ³)					PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction		2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021	2018	2021									
45	50.7	41.5	35.3	49.2	48.6	25.8	24.5	23.3	14	11	9	17.5	16.3	15.4
46	35.9	29.9	25.9	34.4	33.6	22.9	21.9	21.2	8	6	5	15.6	14.7	14.2
47	39.4	32.6	28.0	37.9	37.2	23.6	22.5	21.7	9	7	6	16.1	15.1	14.4
48	37.7	31.3	27.0	36.2	35.5	23.2	22.2	21.4	9	7	5	15.9	14.9	14.3
49	34.1	28.5	24.9	32.5	31.8	22.5	21.6	21.0	7	6	5	15.4	14.5	14.0
50	36.4	30.2	26.2	34.9	34.1	23.0	22.0	21.3	8	6	5	15.7	14.8	14.2
51	46.4	38.2	32.6	45.0	44.3	24.4	23.1	22.2	11	8	7	16.6	15.5	14.8
52	48.9	40.2	34.2	47.5	46.8	24.8	23.5	22.5	12	9	7	16.9	15.7	14.9
53	52.5	42.7	36.1	51.1	50.5	25.4	24.0	22.9	13	10	8	17.3	16.0	15.2
54	49.1	39.8	33.7	47.7	47.0	24.7	23.5	22.4	12	9	7	16.8	15.7	14.9
55	52.8	42.6	35.9	51.4	50.7	25.4	24.0	22.9	13	10	8	17.3	16.0	15.2
56	55.4	44.6	37.5	54.0	53.3	25.9	24.5	23.3	15	11	9	17.6	16.3	15.4
57	64.0	51.4	42.9	62.6	62.0	27.7	26.1	24.5	20	15	11	18.7	17.2	16.1
58	63.1	50.7	42.4	61.7	61.0	27.5	25.9	24.4	19	15	11	18.6	17.1	16.0
59	43.3	35.4	30.2	41.8	41.1	23.7	22.6	21.7	10	7	6	16.2	15.2	14.5
60	35.3	29.4	25.6	33.7	33.0	22.5	21.5	20.9	7	6	5	15.5	14.6	14.0
61	34.0	28.4	24.8	32.4	31.7	22.3	21.3	20.7	7	5	4	15.3	14.4	13.9
62	31.8	26.9	23.6	30.2	29.5	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
63	30.4	25.8	22.8	28.8	28.0	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
64	29.8	25.4	22.5	28.3	27.5	21.6	20.7	20.2	6	4	4	14.9	14.1	13.7
65	30.1	25.6	22.7	28.5	27.8	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
66	31.8	26.8	23.6	30.2	29.5	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
67	29.3	25.0	22.2	27.7	27.0	21.5	20.6	20.2	6	4	4	14.8	14.0	13.6
68	28.7	24.6	21.9	27.1	26.4	21.4	20.5	20.1	5	4	4	14.8	14.0	13.6

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
69	28.9	24.7	22.0	27.3	21.5	20.6	20.1	5	4	4	14.8	14.0	13.6
70	29.0	24.8	22.0	27.4	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
71	29.0	24.8	22.0	27.4	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
72	29.3	25.1	22.2	27.7	21.6	20.7	20.2	6	4	4	14.9	14.1	13.7
73	28.2	24.2	21.5	26.6	21.2	20.4	19.9	5	4	3	14.7	13.9	13.5
74	29.9	25.5	22.6	28.4	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
75	30.9	26.2	23.1	29.4	21.9	21.0	20.4	6	5	4	15.0	14.2	13.8
76	29.8	25.4	22.5	28.2	21.6	20.7	20.2	6	4	4	14.9	14.1	13.7
77	29.4	25.1	22.2	27.8	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7
78	31.2	26.4	23.2	29.7	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
79	29.5	25.1	22.3	27.9	21.6	20.7	20.2	6	4	4	14.8	14.0	13.6
80	52.7	43.0	36.4	51.3	25.4	24.1	22.9	13	10	8	17.3	16.1	15.2
81	51.9	42.2	35.7	50.4	25.3	23.9	22.8	13	10	8	17.2	16.0	15.1
82	28.5	24.4	21.7	26.9	21.4	20.5	20.0	5	4	3	14.7	13.9	13.5
83	29.7	25.3	22.4	28.1	21.8	20.9	20.4	6	5	4	14.9	14.1	13.7
84	29.3	25.1	22.2	27.8	21.8	20.9	20.4	6	5	4	14.9	14.1	13.7
85	29.7	25.3	22.4	28.1	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
86	29.7	25.4	22.5	28.2	21.9	21.0	20.6	6	5	4	15.0	14.2	13.8
87	30.1	25.7	22.7	28.5	21.9	21.0	20.6	6	5	4	15.0	14.2	13.8
88	30.0	25.6	22.6	28.5	21.8	20.9	20.4	6	5	4	15.0	14.2	13.8
89	28.9	24.7	21.9	27.3	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
90	28.4	24.4	21.7	26.8	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5
91	28.5	24.4	21.7	26.9	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5
92	28.8	24.6	21.9	27.2	21.4	20.6	20.1	5	4	4	14.8	14.0	13.6

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)				PM ₁₀ days				PM _{2.5} (µg/m ³)			
	With Reduction		No Reduction		2014	2018	2021	2021	2014	2018	2021	2021	2014	2018	2021	2021
	2014	2018	2021	2018												
93	29.2	24.9	22.1	27.6	26.8	21.7	20.8	20.4	6	4	4	4	14.9	14.1	13.7	13.7
First Floor Level (4.5m above the ground)																
1	30.8	26.2	23.1	29.2	28.4	21.9	20.9	20.4	6	5	4	4	15.0	14.2	13.8	13.8
2	31.1	26.4	23.3	29.6	28.8	21.9	21.0	20.5	6	5	4	4	15.1	14.2	13.9	13.9
3	31.9	27.0	23.7	30.3	29.6	22.1	21.1	20.6	6	5	4	4	15.2	14.3	13.9	13.9
4	34.1	28.6	24.9	32.6	31.8	22.4	21.5	20.9	7	5	5	5	15.4	14.5	14.1	14.1
5	36.3	30.1	26.1	34.8	34.0	22.7	21.7	21.1	8	6	5	5	15.5	14.6	14.1	14.1
6	37.3	30.9	26.6	35.8	35.0	22.8	21.8	21.2	8	6	5	5	15.6	14.7	14.2	14.2
7	37.2	30.8	26.6	35.6	34.9	22.9	21.9	21.2	8	6	5	5	15.6	14.7	14.2	14.2
8	39.9	32.8	28.1	38.4	37.7	23.4	22.3	21.6	9	7	6	6	16.0	15.0	14.4	14.4
9	40.5	33.2	28.4	38.9	38.2	23.7	22.6	21.8	9	7	6	6	16.1	15.1	14.5	14.5
10	42.3	34.7	29.6	40.9	40.1	23.8	22.7	21.9	10	8	6	6	16.2	15.2	14.6	14.6
11	35.8	29.9	25.9	34.3	33.5	22.9	21.9	21.3	8	6	5	5	15.6	14.7	14.2	14.2
12	33.9	28.4	24.8	32.3	31.6	22.6	21.6	21.0	7	6	5	5	15.4	14.6	14.1	14.1
13	34.7	29.0	25.2	33.1	32.4	22.7	21.8	21.2	8	6	5	5	15.5	14.6	14.1	14.1
14	39.1	32.3	27.8	37.6	36.9	23.4	22.3	21.6	9	7	6	6	15.9	15.0	14.4	14.4
15	36.6	30.4	26.3	35.1	34.3	23.0	22.0	21.4	8	6	5	5	15.7	14.8	14.3	14.3
16	39.6	32.5	27.8	38.1	37.3	23.6	22.6	21.9	9	7	6	6	16.1	15.1	14.5	14.5
17	40.4	33.1	28.3	38.9	38.2	23.8	22.8	22.0	10	8	6	6	16.2	15.2	14.6	14.6
18	48.8	39.3	33.0	47.4	46.7	25.4	24.2	23.2	13	11	9	9	17.2	16.0	15.3	15.3
19	38.1	31.4	27.0	36.6	35.8	23.5	22.5	21.8	9	7	6	6	16.0	15.0	14.5	14.5
20	37.0	30.6	26.4	35.4	34.7	23.3	22.3	21.6	9	7	6	6	15.8	14.9	14.4	14.4
21	37.0	30.6	26.4	35.4	34.7	23.2	22.2	21.6	9	7	6	6	15.8	14.9	14.4	14.4
22	36.1	30.0	26.0	34.6	33.9	23.1	22.1	21.5	8	6	5	5	15.7	14.8	14.3	14.3

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
23	36.0	30.0	26.0	34.5	23.0	22.0	21.4	8	6	5	15.7	14.8	14.3
24	42.5	35.1	30.1	41.0	24.1	23.0	22.2	10	8	7	16.4	15.4	14.7
25	39.9	33.2	28.7	38.4	23.8	22.7	22.0	10	8	6	16.2	15.2	14.6
26	42.5	35.3	30.4	41.1	24.7	23.5	22.6	12	9	7	16.7	15.6	15.0
27	41.6	34.6	29.7	40.1	24.4	23.3	22.5	11	9	7	16.6	15.5	14.9
28	40.0	33.4	28.8	38.5	23.8	22.8	22.0	10	8	6	16.2	15.2	14.6
29	39.6	32.7	28.0	38.1	23.4	22.4	21.7	9	7	6	16.0	15.0	14.4
30	37.8	31.2	26.9	36.3	23.2	22.2	21.5	9	7	6	15.8	14.9	14.4
31	33.2	27.8	24.3	31.6	22.4	21.4	20.9	7	5	5	15.3	14.5	14.0
32	31.8	26.9	23.6	30.3	22.1	21.1	20.6	6	5	4	15.1	14.3	13.9
33	31.4	26.5	23.3	29.8	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
34	33.3	27.9	24.4	31.7	22.2	21.3	20.7	7	5	4	15.2	14.4	13.9
35	36.9	30.6	26.4	35.4	22.7	21.7	21.1	8	6	5	15.6	14.7	14.1
36	36.9	30.6	26.5	35.4	22.7	21.7	21.1	8	6	5	15.6	14.7	14.1
37	42.4	34.8	29.7	41.0	23.6	22.5	21.7	9	7	6	16.1	15.1	14.5
38	41.6	34.2	29.2	40.2	23.5	22.4	21.6	9	7	6	16.0	15.0	14.4
39	35.2	29.3	25.5	33.6	22.5	21.5	20.9	7	5	5	15.4	14.5	14.0
40	41.9	34.4	29.4	40.4	23.5	22.4	21.6	9	7	6	16.1	15.1	14.4
41	44.2	36.2	30.8	42.7	23.9	22.7	21.9	10	8	6	16.3	15.3	14.6
42	48.5	39.7	33.8	47.1	24.7	23.4	22.4	12	9	7	16.8	15.7	14.9
43	46.6	38.3	32.7	45.1	24.4	23.1	22.2	11	8	7	16.6	15.5	14.7
44	33.0	27.8	24.3	31.5	22.2	21.2	20.7	7	5	4	15.2	14.4	13.9
45	48.7	40.0	34.0	47.3	25.4	24.1	23.0	13	10	8	17.2	16.0	15.2
46	33.6	28.2	24.6	32.0	22.4	21.5	20.9	7	5	5	15.4	14.5	14.0

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
47	35.5	29.6	25.7	34.0	22.8	21.8	21.1	8	6	5	15.6	14.7	14.1
48	34.7	29.1	25.3	33.2	22.7	21.7	21.0	7	6	5	15.5	14.6	14.1
49	32.6	27.4	24.0	31.1	22.3	21.3	20.8	7	5	4	15.3	14.4	13.9
50	33.9	28.4	24.7	32.4	22.5	21.6	20.9	7	6	5	15.4	14.5	14.0
51	43.7	36.1	30.9	42.3	23.9	22.7	21.9	10	8	6	16.3	15.3	14.6
52	45.6	37.5	32.0	44.1	24.2	23.0	22.1	11	8	6	16.5	15.4	14.7
53	46.7	38.1	32.4	45.2	24.3	23.1	22.1	11	8	7	16.6	15.5	14.7
54	44.7	36.5	31.1	43.2	24.0	22.8	21.9	10	8	6	16.3	15.3	14.6
55	47.5	38.6	32.7	46.1	24.4	23.2	22.2	11	9	7	16.6	15.5	14.8
56	48.9	39.6	33.5	47.5	24.7	23.5	22.5	12	9	7	16.8	15.7	14.9
57	56.2	45.3	38.0	54.8	26.1	24.7	23.4	15	12	9	17.7	16.4	15.5
58	56.3	45.4	38.1	54.8	26.1	24.6	23.4	15	12	9	17.7	16.4	15.4
59	42.2	34.6	29.6	40.8	23.5	22.4	21.6	9	7	6	16.1	15.1	14.4
60	33.8	28.3	24.7	32.2	22.3	21.3	20.7	7	5	4	15.3	14.4	13.9
61	32.7	27.5	24.1	31.2	22.1	21.2	20.6	6	5	4	15.2	14.3	13.9
62	31.6	26.8	23.6	30.1	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
63	30.3	25.8	22.8	28.7	21.7	20.8	20.4	6	5	4	15.0	14.1	13.7
64	29.7	25.4	22.5	28.2	21.6	20.7	20.2	6	4	4	14.9	14.1	13.7
65	30.0	25.5	22.6	28.4	21.6	20.7	20.3	6	4	4	14.9	14.1	13.7
66	31.2	26.4	23.3	29.6	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
67	29.2	25.0	22.2	27.6	21.5	20.6	20.2	6	4	4	14.8	14.0	13.6
68	28.7	24.6	21.9	27.1	21.4	20.5	20.1	5	4	3	14.8	14.0	13.6
69	28.9	24.7	21.9	27.3	21.4	20.6	20.1	5	4	4	14.8	14.0	13.6
70	29.0	24.8	22.0	27.4	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
71	29.0	24.8	22.0	27.4	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
72	29.3	25.0	22.2	27.7	21.6	20.7	20.2	6	4	4	14.8	14.0	13.6
73	28.1	24.2	21.5	26.5	21.2	20.4	19.9	5	4	3	14.7	13.9	13.5
74	29.9	25.4	22.5	28.3	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
75	30.8	26.1	23.1	29.3	21.9	20.9	20.4	6	5	4	15.0	14.2	13.8
76	29.7	25.3	22.4	28.1	21.6	20.7	20.2	6	4	4	14.9	14.1	13.7
77	29.4	25.1	22.2	27.8	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7
78	31.1	26.4	23.2	29.6	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
79	29.4	25.1	22.2	27.8	21.5	20.7	20.2	6	4	4	14.8	14.0	13.6
80	48.0	39.3	33.5	46.6	24.6	23.3	22.3	11	9	7	16.8	15.6	14.8
81	46.3	37.9	32.2	44.9	24.3	23.1	22.1	11	8	6	16.6	15.4	14.7
82	28.5	24.4	21.7	26.9	21.4	20.5	20.0	5	4	3	14.7	13.9	13.5
83	29.7	25.3	22.4	28.1	21.8	20.9	20.4	6	5	4	14.9	14.1	13.7
84	29.3	25.1	22.2	27.8	21.8	20.9	20.4	6	5	4	14.9	14.1	13.7
85	29.7	25.3	22.4	28.1	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
86	29.7	25.4	22.5	28.2	21.9	21.0	20.6	6	5	4	15.0	14.2	13.8
87	30.1	25.6	22.7	28.5	21.9	21.0	20.6	6	5	4	15.0	14.2	13.8
88	30.0	25.6	22.6	28.4	21.8	20.9	20.4	6	5	4	15.0	14.2	13.8
89	28.8	24.7	21.9	27.3	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
90	28.4	24.3	21.7	26.8	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5
91	28.5	24.4	21.7	26.9	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5
92	28.7	24.6	21.9	27.2	21.4	20.6	20.1	5	4	4	14.8	14.0	13.6
93	29.2	24.9	22.1	27.6	21.7	20.8	20.4	6	4	4	14.9	14.1	13.7
Second Floor Level (7.5m above the ground)													

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
1	30.5	26.0	22.9	29.0	21.8	20.9	20.4	6	5	4	15.0	14.2	13.8
2	30.9	26.2	23.1	29.3	21.9	21.0	20.5	6	5	4	15.0	14.2	13.8
3	31.5	26.7	23.5	30.0	22.0	21.1	20.6	6	5	4	15.1	14.3	13.9
4	33.3	28.0	24.5	31.8	22.3	21.3	20.8	7	5	4	15.3	14.4	14.0
5	34.0	28.4	24.8	32.4	22.3	21.4	20.8	7	5	4	15.3	14.4	14.0
6	34.2	28.6	24.9	32.7	22.4	21.4	20.9	7	5	5	15.4	14.5	14.0
7	34.1	28.6	24.9	32.6	22.4	21.5	20.9	7	5	5	15.4	14.5	14.0
8	34.1	28.5	24.8	32.5	22.5	21.5	20.9	7	5	5	15.4	14.5	14.0
9	37.1	30.8	26.5	35.6	23.1	22.1	21.4	8	6	5	15.8	14.8	14.3
10	38.3	31.6	27.2	36.7	23.2	22.2	21.5	8	7	5	15.8	14.9	14.3
11	34.1	28.6	24.9	32.6	22.6	21.7	21.1	7	6	5	15.5	14.6	14.1
12	32.5	27.4	24.0	30.9	22.3	21.4	20.9	7	5	5	15.3	14.4	14.0
13	33.2	27.9	24.4	31.6	22.5	21.5	21.0	7	6	5	15.4	14.5	14.0
14	36.7	30.5	26.4	35.2	23.0	22.0	21.4	8	6	5	15.7	14.8	14.3
15	35.1	29.3	25.4	33.5	22.8	21.8	21.3	8	6	5	15.6	14.7	14.2
16	35.6	29.7	25.7	34.1	23.0	22.0	21.4	8	6	5	15.7	14.8	14.3
17	35.5	29.6	25.6	33.9	23.0	22.0	21.5	8	6	5	15.7	14.8	14.3
18	46.8	37.8	31.8	45.3	25.0	23.9	22.9	12	10	8	16.9	15.8	15.1
19	34.6	29.0	25.2	33.0	22.9	22.0	21.4	8	6	5	15.6	14.7	14.3
20	34.4	28.8	25.1	32.8	22.9	21.9	21.3	8	6	5	15.6	14.7	14.2
21	34.4	28.8	25.1	32.9	22.8	21.9	21.3	8	6	5	15.6	14.7	14.2
22	34.3	28.7	25.0	32.7	22.8	21.8	21.3	8	6	5	15.5	14.7	14.2
23	34.4	28.8	25.1	32.9	22.7	21.8	21.2	8	6	5	15.5	14.6	14.2
24	39.2	32.6	28.1	37.7	23.6	22.5	21.8	9	7	6	16.1	15.1	14.5

Receptor name	NO ₂ (µg/m ³)					PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction		2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021	2018	2021									
25	37.5	31.4	27.2	36.0	35.3	23.4	22.3	21.7	9	7	6	15.9	15.0	14.4
26	40.6	33.8	29.1	39.1	38.3	24.2	23.1	22.3	11	8	7	16.4	15.4	14.8
27	39.7	33.1	28.6	38.2	37.5	24.1	23.0	22.2	10	8	7	16.3	15.3	14.7
28	37.3	31.2	27.1	35.8	35.1	23.3	22.3	21.6	9	7	6	15.9	15.0	14.4
29	37.3	30.9	26.7	35.7	35.0	23.1	22.1	21.4	8	6	5	15.7	14.8	14.3
30	35.7	29.7	25.7	34.1	33.4	22.9	21.9	21.3	8	6	5	15.6	14.7	14.2
31	32.1	27.1	23.8	30.6	29.8	22.2	21.3	20.8	7	5	4	15.2	14.4	13.9
32	31.3	26.5	23.3	29.7	29.0	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
33	31.0	26.2	23.1	29.4	28.7	21.9	21.0	20.5	6	5	4	15.0	14.2	13.8
34	32.0	27.0	23.7	30.5	29.7	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
35	34.7	29.0	25.2	33.1	32.4	22.4	21.4	20.8	7	5	5	15.4	14.5	14.0
36	34.7	29.0	25.2	33.2	32.4	22.4	21.4	20.8	7	5	5	15.4	14.5	14.0
37	39.1	32.2	27.7	37.6	36.9	23.1	22.0	21.3	8	6	5	15.8	14.8	14.2
38	39.0	32.2	27.7	37.5	36.8	23.1	22.0	21.3	8	6	5	15.8	14.8	14.2
39	32.8	27.6	24.1	31.2	30.5	22.1	21.2	20.6	6	5	4	15.2	14.3	13.9
40	39.3	32.4	27.9	37.8	37.1	23.1	22.0	21.3	8	6	5	15.8	14.8	14.3
41	40.7	33.5	28.7	39.2	38.5	23.3	22.2	21.5	9	7	5	15.9	15.0	14.3
42	44.0	36.3	31.1	42.6	41.9	23.9	22.7	21.9	10	8	6	16.3	15.3	14.6
43	43.4	35.8	30.7	41.9	41.2	23.8	22.6	21.8	10	7	6	16.3	15.2	14.5
44	31.8	26.9	23.6	30.3	29.6	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
45	46.9	38.5	32.8	45.4	44.7	25.0	23.7	22.7	12	10	7	17.0	15.8	15.0
46	31.1	26.3	23.2	29.6	28.8	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
47	31.6	26.7	23.4	30.0	29.3	22.1	21.1	20.6	6	5	4	15.1	14.3	13.8
48	31.6	26.7	23.5	30.1	29.3	22.1	21.1	20.6	6	5	4	15.1	14.3	13.8

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
49	30.9	26.2	23.0	29.3	22.0	21.1	20.5	6	5	4	15.1	14.2	13.8
50	31.2	26.4	23.2	29.7	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
51	41.3	34.2	29.4	39.8	23.5	22.4	21.6	9	7	6	16.1	15.0	14.4
52	42.6	35.2	30.2	41.1	23.7	22.5	21.7	9	7	6	16.2	15.1	14.5
53	41.4	34.0	29.1	39.9	23.4	22.3	21.5	9	7	6	16.0	15.0	14.4
54	41.0	33.7	28.9	39.5	23.3	22.3	21.5	9	7	5	16.0	15.0	14.4
55	42.8	35.0	29.9	41.3	23.6	22.5	21.7	9	7	6	16.1	15.1	14.5
56	43.1	35.2	30.0	41.7	23.8	22.6	21.8	10	7	6	16.2	15.2	14.5
57	49.7	40.2	34.0	48.2	24.8	23.6	22.5	12	9	7	16.9	15.7	15.0
58	50.4	40.8	34.5	49.0	24.9	23.7	22.6	12	9	7	17.0	15.8	15.0
59	41.1	33.7	28.9	39.6	23.4	22.3	21.5	9	7	5	16.0	15.0	14.4
60	32.5	27.4	24.0	31.0	22.1	21.1	20.6	6	5	4	15.2	14.3	13.8
61	31.7	26.7	23.5	30.1	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
62	31.4	26.6	23.4	29.9	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
63	30.1	25.7	22.7	28.6	21.7	20.8	20.3	6	4	4	15.0	14.1	13.7
64	29.6	25.3	22.4	28.1	21.6	20.7	20.2	6	4	4	14.9	14.1	13.6
65	29.8	25.4	22.5	28.2	21.6	20.7	20.2	6	4	4	14.9	14.1	13.7
66	30.4	25.8	22.8	28.8	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
67	29.1	24.9	22.1	27.6	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
68	28.7	24.6	21.8	27.1	21.4	20.5	20.1	5	4	3	14.8	14.0	13.6
69	28.8	24.7	21.9	27.2	21.4	20.6	20.1	5	4	4	14.8	14.0	13.6
70	29.0	24.8	22.0	27.4	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
71	28.9	24.7	21.9	27.3	21.5	20.6	20.1	5	4	4	14.8	14.0	13.6
72	29.1	24.9	22.1	27.6	21.5	20.7	20.2	6	4	4	14.8	14.0	13.6

Receptor name	NO ₂ (µg/m ³)					PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction		2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021	2018	2021									
73	28.1	24.1	21.5	26.5	25.8	21.2	20.4	19.9	5	4	3	14.7	13.9	13.5
74	29.7	25.4	22.5	28.2	27.4	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
75	30.7	26.0	23.0	29.1	28.4	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
76	29.6	25.2	22.4	28.0	27.2	21.6	20.7	20.2	6	4	4	14.9	14.1	13.6
77	29.4	25.1	22.2	27.8	27.0	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7
78	30.9	26.2	23.1	29.4	28.6	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
79	29.3	25.0	22.2	27.7	26.9	21.5	20.6	20.2	6	4	4	14.8	14.0	13.6
80	43.6	35.9	30.8	42.1	41.4	23.8	22.7	21.8	10	7	6	16.3	15.2	14.5
81	41.2	33.9	29.1	39.7	39.0	23.4	22.3	21.5	9	7	6	16.0	15.0	14.4
82	28.4	24.4	21.7	26.9	26.1	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5
83	29.6	25.3	22.4	28.1	27.3	21.8	20.9	20.4	6	5	4	14.9	14.1	13.7
84	29.3	25.1	22.2	27.7	27.0	21.8	20.9	20.4	6	5	4	14.9	14.1	13.7
85	29.6	25.3	22.4	28.0	27.3	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
86	29.7	25.4	22.5	28.1	27.4	21.9	21.0	20.6	6	5	4	15.0	14.2	13.8
87	30.0	25.6	22.6	28.5	27.7	21.9	21.0	20.6	6	5	4	15.0	14.2	13.8
88	30.0	25.5	22.6	28.4	27.6	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
89	28.8	24.7	21.9	27.2	26.5	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6
90	28.3	24.3	21.6	26.7	26.0	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5
91	28.4	24.4	21.7	26.9	26.1	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5
92	28.7	24.6	21.9	27.1	26.4	21.4	20.6	20.1	5	4	4	14.8	14.0	13.6
93	29.1	24.9	22.1	27.6	26.8	21.7	20.8	20.4	6	4	4	14.9	14.1	13.7
Third Floor Level (10.5m above the ground)														
1	30.4	25.9	22.9	28.8	28.1	21.8	20.9	20.4	6	5	4	15.0	14.2	13.8
2	30.7	26.1	23.0	29.1	28.4	21.9	21.0	20.4	6	5	4	15.0	14.2	13.8

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
3	31.3	26.5	23.3	29.7	22.0	21.1	20.5	6	5	4	15.1	14.3	13.9
4	32.5	27.5	24.1	31.0	22.2	21.2	20.7	7	5	4	15.2	14.4	13.9
5	32.0	27.0	23.7	30.5	22.1	21.2	20.6	6	5	4	15.1	14.3	13.9
6	32.0	27.0	23.7	30.4	22.1	21.2	20.6	6	5	4	15.2	14.3	13.9
7	31.9	27.0	23.7	30.4	22.1	21.2	20.7	6	5	4	15.2	14.3	13.9
8	31.6	26.7	23.5	30.1	22.1	21.2	20.7	6	5	4	15.1	14.3	13.9
9	32.9	27.7	24.2	31.4	22.4	21.5	20.9	7	5	5	15.3	14.5	14.0
10	33.3	28.0	24.5	31.7	22.5	21.5	21.0	7	6	5	15.4	14.5	14.0
11	32.8	27.7	24.2	31.3	22.4	21.5	20.9	7	5	5	15.3	14.5	14.0
12	31.5	26.7	23.4	29.9	22.2	21.2	20.7	7	5	4	15.2	14.3	13.9
13	32.1	27.2	23.8	30.6	22.3	21.4	20.9	7	5	5	15.3	14.4	14.0
14	34.4	28.9	25.1	32.9	22.7	21.7	21.2	7	6	5	15.5	14.6	14.1
15	33.6	28.3	24.7	32.0	22.6	21.7	21.1	7	6	5	15.4	14.6	14.1
16	33.3	28.0	24.5	31.7	22.6	21.7	21.2	7	6	5	15.4	14.6	14.1
17	33.1	27.9	24.4	31.6	22.6	21.7	21.2	7	6	5	15.5	14.6	14.1
18	32.9	27.8	24.3	31.3	22.7	21.8	21.3	8	6	5	15.5	14.6	14.2
19	32.8	27.7	24.3	31.2	22.6	21.7	21.2	7	6	5	15.4	14.6	14.2
20	32.8	27.7	24.2	31.2	22.6	21.7	21.2	7	6	5	15.4	14.6	14.1
21	32.8	27.7	24.2	31.2	22.6	21.7	21.1	7	6	5	15.4	14.6	14.1
22	32.8	27.7	24.3	31.3	22.6	21.7	21.1	7	6	5	15.4	14.6	14.1
23	33.0	27.8	24.3	31.5	22.6	21.6	21.1	7	6	5	15.4	14.5	14.1
24	33.6	28.3	24.7	32.1	22.6	21.7	21.1	7	6	5	15.4	14.6	14.1
25	32.7	27.7	24.2	31.2	22.5	21.6	21.1	7	6	5	15.4	14.5	14.1
26	32.0	27.2	23.9	30.5	22.5	21.6	21.1	7	6	5	15.3	14.5	14.1

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
27	32.0	27.1	23.8	30.4	29.6	21.6	21.0	7	6	5	15.3	14.5	14.1
28	32.6	27.6	24.2	31.0	30.3	21.6	21.1	7	6	5	15.4	14.5	14.1
29	32.7	27.6	24.1	31.1	30.4	21.5	20.9	7	5	5	15.3	14.5	14.0
30	32.0	27.0	23.7	30.4	29.7	21.4	20.8	7	5	5	15.2	14.4	14.0
31	31.2	26.4	23.3	29.6	28.9	21.2	20.7	6	5	4	15.1	14.3	13.9
32	30.7	26.1	23.0	29.2	28.4	21.0	20.5	6	5	4	15.0	14.2	13.8
33	30.5	25.9	22.9	28.9	28.2	21.0	20.5	6	5	4	15.0	14.2	13.8
34	30.9	26.2	23.1	29.4	28.6	21.0	20.5	6	5	4	15.0	14.2	13.8
35	30.9	26.2	23.1	29.4	28.6	21.0	20.5	6	5	4	15.0	14.2	13.8
36	31.0	26.2	23.1	29.4	28.6	21.0	20.5	6	5	4	15.0	14.2	13.8
37	31.2	26.4	23.3	29.7	28.9	21.0	20.5	6	5	4	15.0	14.2	13.8
38	31.1	26.3	23.2	29.5	28.8	21.0	20.4	6	5	4	15.0	14.2	13.8
39	31.3	26.4	23.3	29.7	29.0	21.0	20.5	6	5	4	15.0	14.2	13.8
40	31.5	26.6	23.4	30.0	29.2	21.0	20.5	6	5	4	15.1	14.2	13.8
41	32.2	27.2	23.8	30.7	29.9	21.1	20.6	6	5	4	15.1	14.3	13.8
42	32.3	27.2	23.9	30.7	30.0	21.1	20.6	6	5	4	15.1	14.3	13.8
43	32.1	27.1	23.8	30.6	29.8	21.1	20.5	6	5	4	15.1	14.3	13.8
44	30.9	26.2	23.1	29.3	28.6	21.0	20.4	6	5	4	15.0	14.2	13.8
45	30.3	25.7	22.7	28.7	28.0	20.9	20.4	6	5	4	15.0	14.2	13.7
46	29.9	25.4	22.5	28.4	27.6	20.9	20.4	6	5	4	14.9	14.1	13.7
47	30.0	25.5	22.5	28.4	27.7	20.9	20.4	6	5	4	15.0	14.2	13.7
48	30.1	25.6	22.6	28.6	27.8	20.9	20.4	6	5	4	15.0	14.2	13.7
49	29.7	25.3	22.4	28.2	27.5	20.9	20.4	6	5	4	14.9	14.1	13.7
50	29.8	25.3	22.4	28.2	27.5	20.9	20.4	6	5	4	14.9	14.1	13.7

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021	2018									
51	31.3	26.5	23.3	29.8	21.9	21.0	20.5	6	5	4	15.1	14.2	13.8
52	31.9	27.0	23.7	30.4	22.0	21.1	20.5	6	5	4	15.1	14.3	13.8
53	32.4	27.3	24.0	30.9	22.1	21.1	20.6	6	5	4	15.1	14.3	13.8
54	32.5	27.4	24.0	31.0	22.1	21.1	20.6	6	5	4	15.2	14.3	13.8
55	32.6	27.4	24.0	31.0	22.1	21.1	20.6	6	5	4	15.2	14.3	13.8
56	32.8	27.5	24.1	31.3	22.2	21.2	20.7	7	5	4	15.2	14.4	13.9
57	33.9	28.4	24.7	32.4	22.3	21.3	20.8	7	5	4	15.3	14.4	13.9
58	33.6	28.2	24.6	32.1	22.2	21.3	20.7	7	5	4	15.3	14.4	13.9
59	32.9	27.7	24.2	31.4	22.1	21.2	20.6	6	5	4	15.2	14.3	13.9
60	30.5	25.9	22.9	29.0	21.7	20.8	20.3	6	5	4	15.0	14.1	13.7
61	29.8	25.4	22.5	28.2	21.6	20.7	20.2	6	4	4	14.9	14.1	13.7
62	31.1	26.4	23.3	29.6	21.8	20.9	20.4	6	5	4	15.0	14.2	13.8
63	30.0	25.5	22.6	28.4	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
64	29.5	25.2	22.3	27.9	21.6	20.7	20.2	6	4	4	14.9	14.0	13.6
65	29.6	25.2	22.4	28.0	21.6	20.7	20.2	6	4	4	14.9	14.1	13.6
66	29.9	25.5	22.6	28.3	21.6	20.7	20.3	6	4	4	14.9	14.1	13.7
67	29.0	24.8	22.1	27.5	21.5	20.6	20.1	5	4	4	14.8	14.0	13.6
68	28.6	24.5	21.8	27.1	21.4	20.5	20.1	5	4	3	14.8	14.0	13.6
69	28.8	24.6	21.9	27.2	21.4	20.6	20.1	5	4	4	14.8	14.0	13.6
70	28.9	24.7	22.0	27.3	21.5	20.6	20.1	5	4	4	14.8	14.0	13.6
71	28.8	24.6	21.9	27.2	21.4	20.6	20.1	5	4	4	14.8	14.0	13.6
72	29.0	24.8	22.0	27.5	21.5	20.6	20.2	6	4	4	14.8	14.0	13.6
73	28.1	24.1	21.5	26.5	21.2	20.4	19.9	5	4	3	14.7	13.9	13.5
74	29.6	25.2	22.4	28.0	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021										
75	30.4	25.9	22.9	28.9	28.1	20.9	20.4	6	5	4	15.0	14.2	13.7
76	29.4	25.1	22.3	27.8	27.1	20.7	20.2	6	4	4	14.9	14.1	13.6
77	29.3	25.1	22.2	27.7	27.0	20.8	20.3	6	4	4	14.9	14.1	13.7
78	30.7	26.0	23.0	29.1	28.4	21.0	20.5	6	5	4	15.0	14.2	13.8
79	29.2	24.9	22.1	27.6	26.8	20.6	20.2	5	4	4	14.8	14.0	13.6
80	32.4	27.3	23.9	30.9	30.1	21.1	20.6	6	5	4	15.1	14.3	13.8
81	32.3	27.2	23.9	30.7	30.0	21.1	20.6	6	5	4	15.1	14.3	13.8
82	28.4	24.4	21.7	26.8	26.1	20.5	20.0	5	4	3	14.7	13.9	13.5
83	29.5	25.2	22.3	28.0	27.2	20.9	20.4	6	5	4	14.9	14.1	13.7
84	29.3	25.0	22.2	27.7	26.9	20.9	20.4	6	5	4	14.9	14.1	13.7
85	29.5	25.2	22.3	28.0	27.2	20.9	20.4	6	5	4	14.9	14.1	13.7
86	29.7	25.4	22.5	28.1	27.3	21.0	20.6	6	5	4	15.0	14.2	13.8
87	29.9	25.6	22.6	28.4	27.6	21.0	20.6	6	5	4	15.0	14.2	13.8
88	29.9	25.5	22.5	28.3	27.6	20.9	20.4	6	5	4	15.0	14.2	13.7
89	28.8	24.7	21.9	27.2	26.5	20.6	20.2	5	4	4	14.8	14.0	13.6
90	28.3	24.3	21.6	26.7	25.9	20.4	20.0	5	4	3	14.7	13.9	13.5
91	28.4	24.4	21.7	26.8	26.1	20.4	20.0	5	4	3	14.7	13.9	13.5
92	28.7	24.6	21.8	27.1	26.3	20.6	20.1	5	4	4	14.8	14.0	13.6
93	29.1	24.9	22.1	27.5	26.8	20.8	20.3	6	4	4	14.9	14.1	13.7
Roof Terrace Level (12m above the ground)													
UTC	30.8	26.1	23.1	29.2	28.5	20.9	20.4	6	5	4	15.0	14.2	13.7
Ground Floor Level (1.5m above the ground)													
TA	29.3	25.0	22.2	27.8	27.0	20.6	20.1	5	4	4	14.8	14.0	13.6
TB	31.1	26.3	23.2	29.5	28.8	21.0	20.5	6	5	4	15.0	14.2	13.8

Receptor name	NO ₂ (µg/m ³)				PM ₁₀ (µg/m ³)				PM ₁₀ days				PM _{2.5} (µg/m ³)			
	2014	With Reduction		No Reduction	2014	2018	2021	2014	2018	2021	2014	2018	2021	2014	2018	2021
		2018	2021													
TC	30.5	25.9	22.8	28.9	28.2	28.9	28.2	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
TD	31.3	26.5	23.3	29.7	29.0	29.7	29.0	22.0	21.0	20.5	6	5	4	15.1	14.2	13.8
TE1	35.2	29.3	25.5	33.8	33.0	33.8	33.0	22.7	21.7	21.1	7	6	5	15.5	14.6	14.1
TE2	33.7	28.2	24.6	32.2	31.5	32.2	31.5	22.4	21.5	20.9	7	5	5	15.4	14.5	14.0
Second Floor Level (7.5m above the ground)																
TA	29.1	24.9	22.1	27.5	26.8	27.5	26.8	21.5	20.6	20.1	5	4	4	14.8	14.0	13.6
TB	30.6	26.0	22.9	29.1	28.3	29.1	28.3	21.8	20.9	20.4	6	5	4	15.0	14.2	13.7
TC	30.2	25.7	22.7	28.7	27.9	28.7	27.9	21.8	20.9	20.4	6	5	4	15.0	14.1	13.7
TD	30.6	26.0	22.9	29.1	28.3	29.1	28.3	21.9	20.9	20.4	6	5	4	15.0	14.2	13.7
TE1	33.6	28.1	24.5	32.1	31.3	32.1	31.3	22.4	21.4	20.9	7	5	5	15.4	14.5	14.0
TE2	32.7	27.5	24.1	31.2	30.5	31.2	30.5	22.3	21.3	20.8	7	5	4	15.3	14.4	13.9
Fourth Floor Level (13.5m above the ground)																
TA	28.8	24.6	21.9	27.2	26.4	27.2	26.4	21.4	20.5	20.1	5	4	3	14.8	14.0	13.6
TB	29.9	25.5	22.5	28.4	27.6	28.4	27.6	21.7	20.8	20.4	6	4	4	14.9	14.1	13.7
TC	29.8	25.4	22.4	28.2	27.5	28.2	27.5	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
TD	29.8	25.4	22.5	28.3	27.5	28.3	27.5	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7
TE1	31.4	26.5	23.3	29.9	29.1	29.9	29.1	22.1	21.1	20.6	6	5	4	15.1	14.3	13.9
TE2	31.2	26.4	23.2	29.7	29.0	29.7	29.0	22.0	21.1	20.6	6	5	4	15.1	14.3	13.8
Sixth Floor Level (19.5m above the ground)																
TA	28.5	24.4	21.8	26.9	26.2	26.9	26.2	21.4	20.5	20.0	5	4	3	14.7	13.9	13.5
TB	29.3	25.0	22.2	27.7	27.0	27.7	27.0	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7
TC	29.3	25.0	22.2	27.7	26.9	27.7	26.9	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7
TD	29.2	24.9	22.1	27.6	26.9	27.6	26.9	21.6	20.7	20.3	6	4	4	14.9	14.1	13.7
TE1	30.0	25.5	22.5	28.4	27.7	28.4	27.7	21.8	20.9	20.5	6	5	4	15.0	14.2	13.8

Receptor name	NO ₂ (µg/m ³)						PM ₁₀ (µg/m ³)			PM ₁₀ days			PM _{2.5} (µg/m ³)		
	2014	With Reduction		No Reduction		2014	2018	2021	2014	2018	2021	2014	2018	2021	
		2018	2021	2018	2021										
TE2	30.0	25.5	22.6	28.5	27.7	21.9	21.0	20.5	6	5	4	15.0	14.2	13.8	
Eighth Floor Level (25.5m above the ground)															
TA	28.3	24.3	21.6	26.7	25.9	21.3	20.5	20.0	5	4	3	14.7	13.9	13.5	
TB	28.9	24.7	21.9	27.3	26.5	21.6	20.7	20.2	6	4	4	14.8	14.0	13.6	
TC	28.8	24.7	21.9	27.3	26.5	21.6	20.7	20.2	6	4	4	14.8	14.0	13.6	
TD	28.8	24.6	21.9	27.2	26.5	21.6	20.7	20.2	6	4	4	14.8	14.0	13.6	
TE1	29.2	24.9	22.1	27.6	26.9	21.7	20.8	20.4	6	5	4	14.9	14.1	13.7	
TE2	29.2	25.0	22.1	27.7	27.0	21.7	20.9	20.4	6	5	4	14.9	14.1	13.7	
Tenth Floor Level (31.5m above the ground)															
TA	28.1	24.1	21.5	26.5	25.8	21.3	20.4	20.0	5	4	3	14.7	13.9	13.5	
TB	28.6	24.5	21.8	27.0	26.2	21.5	20.7	20.2	6	4	4	14.8	14.0	13.6	
TC	28.5	24.5	21.7	27.0	26.2	21.5	20.7	20.2	6	4	4	14.8	14.0	13.6	
TD	28.5	24.4	21.7	26.9	26.1	21.5	20.6	20.2	6	4	4	14.8	14.0	13.6	
TE1	28.7	24.6	21.8	27.2	26.4	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7	
TE2	28.8	24.6	21.9	27.2	26.5	21.7	20.8	20.3	6	4	4	14.9	14.1	13.7	
Twelfth Floor Level (37.5m above the ground)															
TA	28.0	24.0	21.5	26.4	25.6	21.3	20.4	20.0	5	4	3	14.7	13.9	13.5	
TB	28.4	24.3	21.7	26.8	26.0	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6	
TC	28.3	24.3	21.6	26.7	26.0	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6	
TD	28.3	24.3	21.6	26.7	25.9	21.5	20.6	20.2	5	4	4	14.8	14.0	13.6	
TE1	28.4	24.4	21.7	26.9	26.2	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7	
TE2	28.5	24.4	21.7	26.9	26.2	21.6	20.8	20.3	6	4	4	14.9	14.1	13.7	

Table A6.9.2: Annual Mean Nitrogen Dioxide Impacts in 2016 Due to Construction Traffic (µg/m³)

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
Ground Level (1.5m above ground)								
1	28.8	28.8	0	Negligible	30.2	30.2	0	No Change
2	29.2	29.2	0	Negligible	30.6	30.6	0	Negligible
3	29.9	29.9	0	Negligible	31.4	31.4	0	Negligible
4	32.0	32.1	0	Negligible	33.9	33.9	0	Negligible
5	34.9	35.0	0	Negligible	37.2	37.3	0	Negligible
6	36.4	36.5	0	Negligible	38.9	39.0	0	Negligible
7	36.3	36.3	0	Negligible	38.8	38.9	0	Negligible
8	41.5	41.6	0	Negligible	44.8	44.9	0	Negligible
9	40.5	40.5	0	No Change	43.6	43.6	0	No Change
10	43.0	43.0	0	No Change	46.4	46.4	0	Negligible
11	34.2	34.2	0	No Change	36.3	36.3	0	No Change
12	32.3	32.3	0	No Change	34.2	34.2	0	No Change
13	33.1	33.1	0	No Change	35.1	35.1	0	No Change
14	37.4	37.4	0	No Change	40.0	40.1	0	Negligible
15	34.5	34.5	0	No Change	36.8	36.8	0	No Change
16	39.2	39.2	0	Negligible	42.3	42.3	0	No Change
17	40.9	40.9	0	No Change	44.2	44.2	0	No Change
18	46.5	46.5	0	No Change	50.5	50.5	0	No Change
19	37.7	37.7	0	No Change	40.5	40.5	0	No Change
20	35.9	35.9	0	Negligible	38.4	38.4	0	No Change
21	35.9	35.9	0	No Change	38.4	38.4	0	No Change
22	34.5	34.5	0	Negligible	36.8	36.8	0	No Change
23	34.2	34.2	0	No Change	36.4	36.4	0	No Change
24	42.8	42.8	0	No Change	45.0	45.0	0	No Change
25	39.6	39.6	0	No Change	42.1	42.1	0	No Change
26	41.5	41.5	0	No Change	44.2	44.2	0	No Change

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
27	40.5	40.5	0	No Change	43.1	43.1	0	No Change
28	40.1	40.1	0	No Change	42.6	42.6	0	No Change
29	38.8	38.8	0	Negligible	41.6	41.6	0	No Change
30	37.1	37.1	0	No Change	39.8	39.8	0	No Change
31	31.3	31.3	0	Negligible	33.1	33.1	0	Negligible
32	29.7	29.8	0	Negligible	31.3	31.3	0	Negligible
33	29.3	29.3	0	Negligible	30.8	30.8	0	Negligible
34	31.5	31.6	0	Negligible	33.4	33.4	0	Negligible
35	36.2	36.4	0	Negligible	38.7	38.9	0	Negligible
36	36.3	36.4	0	Negligible	38.8	38.9	0	Negligible
37	42.7	42.9	0	Negligible	46.0	46.2	1	Moderate Adverse
38	40.9	41.0	0	Negligible	43.9	44.1	1	Moderate Adverse
39	34.2	34.3	0	Negligible	36.4	36.5	0	Negligible
40	41.2	41.4	0	Negligible	44.3	44.5	1	Moderate Adverse
41	43.7	43.8	0	Negligible	47.0	47.2	1	Moderate Adverse
42	48.6	48.7	0	Negligible	52.4	52.5	0	Negligible
43	46.0	46.0	0	Negligible	49.4	49.4	0	Negligible
44	31.3	31.4	0	Negligible	33.1	33.1	0	Negligible
45	46.5	46.5	0	No Change	49.9	49.9	0	Negligible
46	33.1	33.1	0	No Change	35.1	35.1	0	Negligible
47	36.2	36.2	0	No Change	38.6	38.6	0	No Change
48	34.7	34.7	0	No Change	36.9	36.9	0	No Change
49	31.5	31.5	0	No Change	33.2	33.2	0	No Change
50	33.5	33.5	0	No Change	35.6	35.6	0	Negligible
51	42.6	42.6	0	Negligible	45.6	45.6	0	Negligible
52	44.9	44.9	0	Negligible	48.1	48.2	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
53	47.9	48.1	0	Negligible	51.7	51.9	0	Negligible
54	44.7	44.9	0	Negligible	48.3	48.5	1	Moderate Adverse
55	48.0	48.2	1	Moderate Adverse	52.0	52.3	1	Moderate Adverse
56	50.3	50.6	1	Moderate Adverse	54.6	54.9	1	Moderate Adverse
57	58.1	58.4	1	Moderate Adverse	63.2	63.6	1	Moderate Adverse
58	57.3	57.6	1	Moderate Adverse	62.3	62.6	1	Moderate Adverse
59	39.5	39.6	0	Negligible	42.4	42.5	0	Negligible
60	32.5	32.5	0	Negligible	34.4	34.5	0	Negligible
61	31.3	31.3	0	Negligible	33.1	33.1	0	Negligible
62	29.4	29.5	0	Negligible	30.9	31.0	0	Negligible
63	28.2	28.2	0	Negligible	29.5	29.5	0	Negligible
64	27.7	27.7	0	Negligible	29.0	29.0	0	Negligible
65	28.0	28.0	0	Negligible	29.3	29.3	0	Negligible
66	29.5	29.5	0	Negligible	30.9	31.0	0	Negligible
67	27.2	27.3	0	Negligible	28.4	28.4	0	Negligible
68	26.8	26.8	0	Negligible	27.9	27.9	0	Negligible
69	26.9	26.9	0	No Change	28.0	28.0	0	No Change
70	27.0	27.0	0	No Change	28.2	28.2	0	Negligible
71	27.0	27.1	0	Negligible	28.2	28.2	0	No Change
72	27.3	27.3	0	Negligible	28.5	28.5	0	Negligible
73	26.3	26.3	0	Negligible	27.3	27.3	0	No Change
74	27.8	27.8	0	Negligible	29.1	29.1	0	Negligible
75	28.7	28.7	0	Negligible	30.1	30.1	0	Negligible
76	27.7	27.7	0	Negligible	28.9	28.9	0	Negligible
77	27.4	27.4	0	Negligible	28.5	28.6	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
78	29.0	29.0	0	Negligible	30.4	30.4	0	Negligible
79	27.4	27.4	0	Negligible	28.6	28.6	0	Negligible
80	48.2	48.3	0	Negligible	51.9	52.0	0	Negligible
81	47.4	47.5	0	Negligible	51.1	51.3	0	Negligible
82	26.6	26.6	0	No Change	27.6	27.6	0	Negligible
83	27.6	27.7	0	Negligible	28.9	28.9	0	Negligible
84	27.3	27.3	0	No Change	28.5	28.5	0	Negligible
85	27.6	27.6	0	Negligible	28.8	28.9	0	Negligible
86	27.7	27.7	0	No Change	28.9	28.9	0	No Change
87	28.0	28.0	0	Negligible	29.3	29.3	0	Negligible
88	28.0	28.0	0	Negligible	29.2	29.2	0	Negligible
89	26.9	26.9	0	No Change	28.0	28.0	0	No Change
90	26.5	26.5	0	Negligible	27.5	27.5	0	Negligible
91	26.5	26.6	0	Negligible	27.6	27.6	0	No Change
92	26.8	26.8	0	No Change	27.9	27.9	0	Negligible
93	27.2	27.2	0	No Change	28.3	28.3	0	No Change
First Floor Level (4.5m above ground)								
1	28.6	28.6	0	Negligible	29.9	29.9	0	Negligible
2	28.9	28.9	0	Negligible	30.3	30.3	0	Negligible
3	29.6	29.6	0	Negligible	31.1	31.1	0	Negligible
4	31.5	31.5	0	Negligible	33.3	33.3	0	Negligible
5	33.4	33.4	0	Negligible	35.5	35.5	0	Negligible
6	34.2	34.3	0	Negligible	36.5	36.6	0	Negligible
7	34.1	34.2	0	Negligible	36.3	36.4	0	Negligible
8	36.5	36.5	0	Negligible	39.1	39.1	0	Negligible
9	37.0	37.0	0	No Change	39.6	39.6	0	No Change
10	38.7	38.7	0	No Change	41.5	41.5	0	No Change
11	33.0	33.0	0	No Change	35.0	35.0	0	No Change
12	31.3	31.3	0	No Change	33.1	33.1	0	No Change

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
13	32.0	32.0	0	No Change	33.9	33.9	0	No Change
14	35.9	35.9	0	No Change	38.3	38.3	0	No Change
15	33.7	33.7	0	No Change	35.8	35.8	0	No Change
16	36.2	36.2	0	No Change	38.8	38.8	0	No Change
17	36.9	36.9	0	No Change	39.6	39.6	0	No Change
18	44.3	44.3	0	No Change	48.0	48.0	0	No Change
19	34.9	34.9	0	No Change	37.3	37.3	0	No Change
20	34.0	34.0	0	No Change	36.1	36.1	0	No Change
21	34.0	34.0	0	No Change	36.2	36.2	0	No Change
22	33.3	33.3	0	No Change	35.3	35.3	0	No Change
23	33.2	33.2	0	No Change	35.2	35.2	0	No Change
24	39.1	39.1	0	No Change	41.7	41.7	0	No Change
25	36.8	36.8	0	No Change	39.1	39.1	0	No Change
26	39.2	39.2	0	No Change	41.7	41.7	0	No Change
27	38.3	38.3	0	No Change	40.7	40.8	0	Negligible
28	37.0	37.0	0	Negligible	39.2	39.2	0	No Change
29	36.3	36.3	0	No Change	38.8	38.8	0	No Change
30	34.7	34.7	0	Negligible	37.0	37.0	0	No Change
31	30.7	30.7	0	Negligible	32.4	32.4	0	Negligible
32	29.5	29.5	0	Negligible	31.0	31.0	0	Negligible
33	29.1	29.1	0	Negligible	30.5	30.6	0	Negligible
34	30.8	30.8	0	Negligible	32.5	32.5	0	Negligible
35	33.9	34.0	0	Negligible	36.1	36.2	0	Negligible
36	33.9	34.0	0	Negligible	36.1	36.2	0	Negligible
37	38.8	39.0	0	Negligible	41.6	41.8	0	Negligible
38	38.1	38.2	0	Negligible	40.8	41.0	0	Negligible
39	32.4	32.5	0	Negligible	34.3	34.4	0	Negligible
40	38.3	38.5	0	Negligible	41.1	41.2	0	Negligible
41	40.4	40.5	0	Negligible	43.4	43.5	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
42	44.4	44.5	0	Negligible	47.7	47.8	0	Negligible
43	42.7	42.8	0	Negligible	45.8	45.8	0	Negligible
44	30.5	30.6	0	Negligible	32.2	32.2	0	Negligible
45	44.7	44.7	0	No Change	47.9	47.9	0	Negligible
46	31.0	31.0	0	No Change	32.7	32.7	0	No Change
47	32.7	32.7	0	No Change	34.7	34.7	0	No Change
48	32.1	32.1	0	No Change	33.9	33.9	0	Negligible
49	30.2	30.2	0	No Change	31.8	31.8	0	No Change
50	31.3	31.3	0	No Change	33.1	33.1	0	No Change
51	40.2	40.2	0	Negligible	42.9	42.9	0	Negligible
52	41.8	41.9	0	Negligible	44.8	44.8	0	Negligible
53	42.7	42.8	0	Negligible	45.9	46.0	0	Negligible
54	40.8	40.9	0	Negligible	43.9	44.1	0	Negligible
55	43.3	43.4	0	Negligible	46.7	46.9	1	Moderate Adverse
56	44.5	44.7	0	Negligible	48.1	48.4	1	Moderate Adverse
57	51.1	51.3	1	Moderate Adverse	55.4	55.7	1	Moderate Adverse
58	51.1	51.4	1	Moderate Adverse	55.5	55.8	1	Moderate Adverse
59	38.6	38.7	0	Negligible	41.4	41.5	0	Negligible
60	31.2	31.2	0	Negligible	32.9	32.9	0	Negligible
61	30.2	30.2	0	Negligible	31.9	31.9	0	Negligible
62	29.3	29.3	0	Negligible	30.8	30.8	0	Negligible
63	28.1	28.1	0	Negligible	29.4	29.5	0	Negligible
64	27.7	27.7	0	Negligible	28.9	28.9	0	Negligible
65	27.8	27.9	0	Negligible	29.1	29.1	0	Negligible
66	28.9	28.9	0	Negligible	30.3	30.3	0	Negligible
67	27.2	27.2	0	Negligible	28.4	28.4	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
68	26.8	26.8	0	Negligible	27.9	27.9	0	Negligible
69	26.9	26.9	0	Negligible	28.0	28.0	0	Negligible
70	27.0	27.0	0	Negligible	28.2	28.2	0	Negligible
71	27.0	27.0	0	No Change	28.1	28.1	0	Negligible
72	27.3	27.3	0	No Change	28.4	28.4	0	Negligible
73	26.2	26.3	0	Negligible	27.3	27.3	0	No Change
74	27.8	27.8	0	Negligible	29.0	29.0	0	Negligible
75	28.6	28.6	0	Negligible	30.0	30.0	0	Negligible
76	27.6	27.6	0	Negligible	28.9	28.9	0	Negligible
77	27.4	27.4	0	Negligible	28.5	28.5	0	Negligible
78	28.9	28.9	0	Negligible	30.3	30.3	0	Negligible
79	27.3	27.3	0	Negligible	28.5	28.5	0	Negligible
80	44.0	44.0	0	Negligible	47.2	47.3	0	Negligible
81	42.4	42.5	0	Negligible	45.5	45.7	0	Negligible
82	26.5	26.5	0	No Change	27.6	27.6	0	Negligible
83	27.6	27.6	0	Negligible	28.8	28.9	0	Negligible
84	27.3	27.3	0	Negligible	28.5	28.5	0	Negligible
85	27.6	27.6	0	Negligible	28.8	28.8	0	Negligible
86	27.7	27.7	0	No Change	28.9	28.9	0	No Change
87	28.0	28.0	0	No Change	29.2	29.2	0	No Change
88	27.9	27.9	0	Negligible	29.2	29.2	0	No Change
89	26.9	26.9	0	No Change	28.0	28.0	0	No Change
90	26.5	26.5	0	No Change	27.5	27.5	0	No Change
91	26.5	26.5	0	Negligible	27.6	27.6	0	Negligible
92	26.8	26.8	0	Negligible	27.9	27.9	0	No Change
93	27.2	27.2	0	No Change	28.3	28.3	0	Negligible
Second Floor Level (7.5m above ground)								
1	28.4	28.4	0	No Change	29.7	29.7	0	Negligible
2	28.7	28.7	0	Negligible	30.0	30.0	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
3	29.3	29.3	0	Negligible	30.7	30.7	0	Negligible
4	30.8	30.9	0	Negligible	32.5	32.5	0	Negligible
5	31.3	31.4	0	Negligible	33.1	33.2	0	Negligible
6	31.6	31.6	0	Negligible	33.4	33.4	0	Negligible
7	31.5	31.5	0	Negligible	33.3	33.3	0	Negligible
8	31.4	31.4	0	Negligible	33.2	33.3	0	Negligible
9	34.1	34.1	0	No Change	36.3	36.3	0	No Change
10	35.1	35.1	0	No Change	37.4	37.4	0	No Change
11	31.5	31.5	0	No Change	33.3	33.3	0	No Change
12	30.1	30.1	0	No Change	31.6	31.6	0	No Change
13	30.7	30.7	0	No Change	32.4	32.4	0	No Change
14	33.8	33.8	0	No Change	35.9	35.9	0	Negligible
15	32.4	32.4	0	No Change	34.2	34.2	0	No Change
16	32.8	32.8	0	No Change	34.8	34.8	0	No Change
17	32.7	32.7	0	No Change	34.6	34.6	0	No Change
18	42.5	42.5	0	No Change	45.9	45.9	0	No Change
19	31.9	31.9	0	No Change	33.7	33.7	0	No Change
20	31.8	31.8	0	No Change	33.5	33.5	0	No Change
21	31.8	31.8	0	No Change	33.6	33.6	0	No Change
22	31.7	31.7	0	No Change	33.4	33.4	0	No Change
23	31.8	31.8	0	No Change	33.6	33.6	0	No Change
24	36.2	36.2	0	No Change	38.4	38.4	0	No Change
25	34.7	34.7	0	Negligible	36.7	36.7	0	No Change
26	37.5	37.5	0	No Change	39.8	39.8	0	No Change
27	36.7	36.7	0	No Change	38.9	38.9	0	Negligible
28	34.5	34.5	0	No Change	36.5	36.5	0	No Change
29	34.3	34.3	0	No Change	36.4	36.4	0	No Change
30	32.8	32.8	0	Negligible	34.8	34.8	0	No Change
31	29.8	29.8	0	Negligible	31.3	31.3	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
32	29.0	29.1	0	Negligible	30.5	30.5	0	Negligible
33	28.7	28.8	0	Negligible	30.1	30.2	0	Negligible
34	29.7	29.7	0	Negligible	31.2	31.2	0	Negligible
35	32.0	32.0	0	Negligible	33.8	33.9	0	Negligible
36	32.0	32.0	0	Negligible	33.9	34.0	0	Negligible
37	35.8	35.9	0	Negligible	38.3	38.4	0	Negligible
38	35.8	35.9	0	Negligible	38.2	38.3	0	Negligible
39	30.3	30.3	0	Negligible	31.9	32.0	0	Negligible
40	36.0	36.1	0	Negligible	38.4	38.6	0	Negligible
41	37.3	37.4	0	Negligible	39.9	40.0	0	Negligible
42	40.4	40.4	0	Negligible	43.2	43.3	0	Negligible
43	39.8	39.9	0	Negligible	42.6	42.6	0	Negligible
44	29.5	29.5	0	Negligible	31.0	31.0	0	Negligible
45	43.0	43.0	0	No Change	46.1	46.1	0	Negligible
46	28.9	28.9	0	No Change	30.3	30.3	0	Negligible
47	29.3	29.3	0	No Change	30.7	30.7	0	No Change
48	29.3	29.3	0	No Change	30.8	30.8	0	No Change
49	28.6	28.6	0	No Change	30.0	30.0	0	No Change
50	28.9	28.9	0	No Change	30.4	30.4	0	No Change
51	38.0	38.0	0	Negligible	40.5	40.5	0	Negligible
52	39.1	39.1	0	Negligible	41.8	41.8	0	Negligible
53	37.9	38.0	0	Negligible	40.5	40.7	0	Negligible
54	37.5	37.6	0	Negligible	40.2	40.3	0	Negligible
55	39.1	39.2	0	Negligible	42.0	42.2	0	Negligible
56	39.4	39.5	0	Negligible	42.3	42.5	0	Negligible
57	45.2	45.4	1	Moderate Adverse	48.9	49.1	1	Moderate Adverse
58	45.9	46.1	1	Moderate Adverse	49.6	49.8	1	Moderate Adverse

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
59	37.6	37.7	0	Negligible	40.3	40.4	0	Negligible
60	30.1	30.1	0	Negligible	31.7	31.7	0	Negligible
61	29.3	29.3	0	Negligible	30.8	30.9	0	Negligible
62	29.1	29.1	0	Negligible	30.6	30.6	0	Negligible
63	28.0	28.0	0	Negligible	29.3	29.3	0	Negligible
64	27.6	27.6	0	Negligible	28.8	28.8	0	Negligible
65	27.7	27.7	0	Negligible	28.9	28.9	0	Negligible
66	28.2	28.2	0	Negligible	29.6	29.6	0	Negligible
67	27.1	27.1	0	Negligible	28.3	28.3	0	Negligible
68	26.7	26.7	0	No Change	27.8	27.8	0	Negligible
69	26.9	26.9	0	Negligible	28.0	28.0	0	Negligible
70	27.0	27.0	0	Negligible	28.1	28.1	0	Negligible
71	26.9	26.9	0	Negligible	28.0	28.0	0	No Change
72	27.2	27.2	0	No Change	28.3	28.3	0	Negligible
73	26.2	26.2	0	No Change	27.3	27.3	0	Negligible
74	27.7	27.7	0	Negligible	28.9	28.9	0	Negligible
75	28.5	28.5	0	Negligible	29.8	29.8	0	Negligible
76	27.5	27.5	0	Negligible	28.7	28.7	0	Negligible
77	27.3	27.3	0	No Change	28.5	28.5	0	Negligible
78	28.7	28.7	0	Negligible	30.1	30.1	0	Negligible
79	27.2	27.2	0	Negligible	28.4	28.4	0	Negligible
80	40.0	40.0	0	Negligible	42.8	42.8	0	Negligible
81	37.8	37.9	0	Negligible	40.4	40.6	0	Negligible
82	26.5	26.5	0	Negligible	27.6	27.6	0	No Change
83	27.6	27.6	0	Negligible	28.8	28.8	0	Negligible
84	27.3	27.3	0	Negligible	28.5	28.5	0	Negligible
85	27.6	27.6	0	Negligible	28.8	28.8	0	Negligible
86	27.7	27.7	0	No Change	28.9	28.9	0	Negligible
87	28.0	28.0	0	No Change	29.2	29.2	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQUAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQUAL)	Impact Descriptor
88	27.9	27.9	0	No Change	29.1	29.1	0	No Change
89	26.9	26.9	0	No Change	28.0	28.0	0	Negligible
90	26.4	26.4	0	Negligible	27.5	27.5	0	No Change
91	26.5	26.5	0	Negligible	27.6	27.6	0	No Change
92	26.8	26.8	0	No Change	27.9	27.9	0	Negligible
93	27.1	27.1	0	No Change	28.3	28.3	0	No Change
Third Floor Level (10.5m above ground)								
1	28.3	28.3	0	Negligible	29.5	29.6	0	Negligible
2	28.5	28.5	0	Negligible	29.9	29.9	0	Negligible
3	29.0	29.1	0	Negligible	30.4	30.5	0	Negligible
4	30.1	30.2	0	Negligible	31.7	31.7	0	Negligible
5	29.7	29.7	0	Negligible	31.2	31.2	0	Negligible
6	29.6	29.7	0	Negligible	31.1	31.2	0	Negligible
7	29.6	29.6	0	Negligible	31.1	31.1	0	Negligible
8	29.3	29.3	0	Negligible	30.8	30.8	0	Negligible
9	30.5	30.5	0	No Change	32.1	32.1	0	No Change
10	30.8	30.8	0	No Change	32.4	32.4	0	No Change
11	30.4	30.4	0	No Change	32.0	32.0	0	No Change
12	29.2	29.2	0	No Change	30.6	30.6	0	No Change
13	29.8	29.8	0	No Change	31.3	31.3	0	No Change
14	31.8	31.8	0	No Change	33.6	33.6	0	Negligible
15	31.1	31.1	0	No Change	32.8	32.8	0	No Change
16	30.8	30.8	0	No Change	32.4	32.4	0	No Change
17	30.7	30.7	0	No Change	32.3	32.3	0	No Change
18	30.5	30.5	0	No Change	32.0	32.0	0	No Change
19	30.4	30.4	0	No Change	32.0	32.0	0	No Change
20	30.4	30.4	0	No Change	31.9	31.9	0	No Change
21	30.4	30.4	0	No Change	32.0	32.0	0	No Change
22	30.5	30.5	0	No Change	32.0	32.0	0	No Change

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
23	30.6	30.6	0	No Change	32.2	32.2	0	Negligible
24	31.1	31.1	0	No Change	32.8	32.8	0	Negligible
25	30.4	30.4	0	No Change	31.9	31.9	0	No Change
26	29.8	29.8	0	No Change	31.2	31.2	0	Negligible
27	29.7	29.7	0	No Change	31.1	31.1	0	No Change
28	30.3	30.3	0	No Change	31.7	31.7	0	No Change
29	30.3	30.3	0	Negligible	31.8	31.8	0	Negligible
30	29.6	29.7	0	Negligible	31.1	31.1	0	No Change
31	29.0	29.0	0	No Change	30.4	30.4	0	Negligible
32	28.5	28.6	0	Negligible	29.9	29.9	0	Negligible
33	28.3	28.4	0	Negligible	29.7	29.7	0	Negligible
34	28.7	28.7	0	Negligible	30.1	30.1	0	Negligible
35	28.7	28.7	0	Negligible	30.1	30.1	0	Negligible
36	28.7	28.7	0	Negligible	30.1	30.2	0	Negligible
37	28.9	29.0	0	Negligible	30.4	30.4	0	Negligible
38	28.8	28.8	0	Negligible	30.2	30.3	0	Negligible
39	29.0	29.0	0	Negligible	30.4	30.5	0	Negligible
40	29.2	29.2	0	Negligible	30.7	30.7	0	Negligible
41	29.8	29.9	0	Negligible	31.4	31.4	0	Negligible
42	29.9	29.9	0	Negligible	31.5	31.5	0	Negligible
43	29.7	29.7	0	Negligible	31.3	31.3	0	Negligible
44	28.6	28.7	0	Negligible	30.0	30.1	0	Negligible
45	28.1	28.1	0	No Change	29.4	29.4	0	Negligible
46	27.8	27.8	0	No Change	29.1	29.1	0	No Change
47	27.9	27.9	0	Negligible	29.2	29.2	0	No Change
48	28.0	28.0	0	Negligible	29.3	29.3	0	Negligible
49	27.7	27.7	0	No Change	28.9	28.9	0	No Change
50	27.7	27.7	0	Negligible	29.0	29.0	0	No Change
51	29.0	29.1	0	Negligible	30.5	30.5	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
52	29.6	29.6	0	Negligible	31.1	31.2	0	Negligible
53	30.0	30.0	0	Negligible	31.6	31.6	0	Negligible
54	30.1	30.1	0	Negligible	31.7	31.7	0	Negligible
55	30.1	30.1	0	Negligible	31.7	31.8	0	Negligible
56	30.3	30.4	0	Negligible	32.0	32.0	0	Negligible
57	31.3	31.3	0	Negligible	33.1	33.2	0	Negligible
58	31.0	31.1	0	Negligible	32.8	32.9	0	Negligible
59	30.4	30.5	0	Negligible	32.1	32.2	0	Negligible
60	28.3	28.4	0	Negligible	29.7	29.7	0	Negligible
61	27.7	27.7	0	Negligible	28.9	28.9	0	Negligible
62	28.8	28.9	0	Negligible	30.3	30.3	0	Negligible
63	27.9	27.9	0	Negligible	29.2	29.2	0	Negligible
64	27.4	27.4	0	Negligible	28.6	28.7	0	Negligible
65	27.5	27.5	0	Negligible	28.7	28.7	0	Negligible
66	27.8	27.8	0	Negligible	29.0	29.1	0	Negligible
67	27.0	27.0	0	Negligible	28.2	28.2	0	Negligible
68	26.7	26.7	0	No Change	27.8	27.8	0	Negligible
69	26.8	26.8	0	Negligible	27.9	27.9	0	Negligible
70	26.9	26.9	0	Negligible	28.0	28.1	0	Negligible
71	26.8	26.8	0	No Change	27.9	27.9	0	Negligible
72	27.1	27.1	0	No Change	28.2	28.2	0	Negligible
73	26.2	26.2	0	No Change	27.2	27.2	0	No Change
74	27.5	27.5	0	Negligible	28.8	28.8	0	Negligible
75	28.3	28.3	0	Negligible	29.6	29.6	0	Negligible
76	27.3	27.3	0	No Change	28.5	28.6	0	Negligible
77	27.3	27.3	0	Negligible	28.5	28.5	0	Negligible
78	28.5	28.5	0	Negligible	29.8	29.9	0	Negligible
79	27.1	27.1	0	Negligible	28.3	28.3	0	Negligible
80	30.0	30.0	0	Negligible	31.6	31.6	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
81	29.9	29.9	0	Negligible	31.5	31.5	0	Negligible
82	26.5	26.5	0	No Change	27.6	27.6	0	Negligible
83	27.5	27.5	0	Negligible	28.7	28.7	0	Negligible
84	27.3	27.3	0	No Change	28.4	28.5	0	Negligible
85	27.5	27.5	0	Negligible	28.7	28.7	0	Negligible
86	27.7	27.7	0	No Change	28.8	28.9	0	Negligible
87	27.9	27.9	0	Negligible	29.1	29.1	0	Negligible
88	27.8	27.8	0	No Change	29.1	29.1	0	No Change
89	26.9	26.9	0	No Change	27.9	28.0	0	Negligible
90	26.4	26.4	0	No Change	27.4	27.4	0	No Change
91	26.5	26.5	0	No Change	27.5	27.6	0	Negligible
92	26.7	26.7	0	Negligible	27.8	27.8	0	Negligible
93	27.1	27.1	0	Negligible	28.3	28.3	0	Negligible
Roof terrace (12m above ground)								
UTC	28.6	28.6	0	Negligible	30.0	30.0	0	Negligible
Ground Level (1.5m above ground)								
TA	27.3	27.3	0	Negligible	28.5	28.5	0	Negligible
TB	28.8	28.8	0	Negligible	30.2	30.3	0	Negligible
TC	28.3	28.3	0	Negligible	29.7	29.7	0	Negligible
TD	29.0	29.0	0	Negligible	30.4	30.5	0	Negligible
TE1	32.4	32.5	0	Negligible	34.4	34.5	0	Negligible
TE2	31.1	31.1	0	Negligible	32.9	32.9	0	Negligible
Second Floor Level (7.5m above ground)								
TA	27.1	27.1	0	Negligible	28.3	28.3	0	Negligible
TB	28.4	28.4	0	Negligible	29.8	29.8	0	Negligible
TC	28.1	28.1	0	Negligible	29.4	29.4	0	Negligible
TD	28.5	28.5	0	Negligible	29.8	29.8	0	Negligible
TE1	31.0	31.0	0	Negligible	32.8	32.8	0	Negligible
TE2	30.3	30.3	0	Negligible	31.9	32.0	0	Negligible

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
Fourth Floor Level (13.5m above ground)								
TA	26.8	26.8	0	Negligible	27.9	27.9	0	Negligible
TB	27.8	27.8	0	Negligible	29.1	29.1	0	Negligible
TC	27.7	27.7	0	Negligible	28.9	29.0	0	Negligible
TD	27.7	27.7	0	Negligible	29.0	29.0	0	Negligible
TE1	29.1	29.1	0	Negligible	30.6	30.6	0	Negligible
TE2	29.0	29.0	0	Negligible	30.4	30.5	0	Negligible
Sixth Floor Level (19.5m above ground)								
TA	26.6	26.6	0	No Change	27.6	27.6	0	Negligible
TB	27.3	27.3	0	Negligible	28.4	28.5	0	Negligible
TC	27.2	27.3	0	Negligible	28.4	28.4	0	Negligible
TD	27.2	27.2	0	Negligible	28.4	28.4	0	Negligible
TE1	27.9	27.9	0	Negligible	29.1	29.2	0	Negligible
TE2	27.9	27.9	0	Negligible	29.2	29.2	0	Negligible
Eighth Floor Level (25.5m above ground)								
TA	26.4	26.4	0	Negligible	27.4	27.4	0	Negligible
TB	26.9	26.9	0	Negligible	28.0	28.0	0	Negligible
TC	26.9	26.9	0	No Change	28.0	28.0	0	Negligible
TD	26.8	26.8	0	Negligible	27.9	27.9	0	No Change
TE1	27.2	27.2	0	Negligible	28.4	28.4	0	Negligible
TE2	27.2	27.2	0	Negligible	28.4	28.4	0	Negligible
Tenth Floor Level (31.5m above ground)								
TA	26.2	26.2	0	Negligible	27.3	27.3	0	Negligible
TB	26.6	26.6	0	No Change	27.7	27.7	0	Negligible
TC	26.6	26.6	0	Negligible	27.7	27.7	0	No Change
TD	26.6	26.6	0	No Change	27.6	27.6	0	Negligible
TE1	26.8	26.8	0	Negligible	27.9	27.9	0	Negligible
TE2	26.8	26.8	0	Negligible	28.0	28.0	0	Negligible
Twelfth Floor Level (37.5m above ground)								

Receptor	With Official Emission Reductions				Without Emission Reductions			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
TA	26.1	26.1	0	No Change	27.1	27.1	0	Negligible
TB	26.5	26.5	0	No Change	27.5	27.5	0	No Change
TC	26.4	26.4	0	No Change	27.5	27.5	0	No Change
TD	26.4	26.4	0	No Change	27.4	27.4	0	No Change
TE1	26.5	26.5	0	No Change	27.6	27.6	0	Negligible
TE2	26.6	26.6	0	Negligible	27.7	27.7	0	Negligible

Table A6.9.3: PM₁₀ and PM_{2.5} Impacts in 2016 Due to Construction Traffic (µg/m³)

Receptor	Annual Mean PM ₁₀				Annual Mean PM _{2.5}			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
Ground Level (1.5m above ground)								
1	21.3	21.3	0	Negligible	14.5	14.5	0	Negligible
2	21.4	21.4	0	Negligible	14.6	14.6	0	Negligible
3	21.6	21.6	0	Negligible	14.7	14.7	0	Negligible
4	21.9	21.9	0	Negligible	14.9	14.9	0	Negligible
5	22.3	22.3	0	Negligible	15.1	15.1	0	Negligible
6	22.6	22.6	0	Negligible	15.3	15.3	0	Negligible
7	22.6	22.6	0	Negligible	15.3	15.3	0	Negligible
8	23.7	23.7	0	Negligible	15.9	15.9	0	Negligible
9	23.7	23.7	0	Negligible	15.9	15.9	0	Negligible
10	23.9	23.9	0	Negligible	16.1	16.1	0	Negligible
11	22.5	22.5	0	Negligible	15.2	15.2	0	Negligible
12	22.2	22.2	0	Negligible	15.0	15.0	0	Negligible
13	22.4	22.4	0	Negligible	15.1	15.1	0	Negligible
14	23.0	23.0	0	Negligible	15.5	15.5	0	Negligible
15	22.5	22.5	0	Negligible	15.2	15.2	0	Negligible

Receptor	Annual Mean PM ₁₀				Annual Mean PM _{2.5}			
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor
16	23.6	23.6	0	Negligible	15.8	15.8	0	Negligible
17	23.9	23.9	0	Negligible	16.0	16.0	0	Negligible
18	25.1	25.1	0	Negligible	16.7	16.7	0	Negligible
19	23.4	23.4	0	Negligible	15.7	15.7	0	Negligible
20	23.0	23.0	0	Negligible	15.5	15.5	0	Negligible
21	23.0	23.0	0	Negligible	15.5	15.5	0	Negligible
22	22.7	22.7	0	Negligible	15.3	15.3	0	Negligible
23	22.5	22.5	0	Negligible	15.2	15.2	0	Negligible
24	24.0	24.0	0	Negligible	16.1	16.1	0	Negligible
25	23.7	23.7	0	Negligible	15.9	15.9	0	Negligible
26	24.5	24.5	0	Negligible	16.4	16.4	0	Negligible
27	24.3	24.3	0	Negligible	16.2	16.2	0	Negligible
28	23.8	23.8	0	Negligible	16.0	16.0	0	Negligible
29	23.2	23.2	0	Negligible	15.6	15.6	0	Negligible
30	23.1	23.1	0	Negligible	15.6	15.6	0	Negligible
31	21.9	21.9	0	Negligible	14.9	14.9	0	Negligible
32	21.5	21.6	0	Negligible	14.6	14.7	0	Negligible
33	21.5	21.5	0	Negligible	14.6	14.6	0	Negligible
34	21.8	21.8	0	Negligible	14.8	14.8	0	Negligible
35	22.5	22.5	0	Negligible	15.2	15.3	0	Negligible
36	22.5	22.5	0	Negligible	15.3	15.3	0	Negligible
37	23.6	23.6	0	Negligible	15.9	15.9	0	Negligible
38	23.3	23.3	0	Negligible	15.7	15.7	0	Negligible
39	22.1	22.2	0	Negligible	15.0	15.0	0	Negligible
40	23.3	23.4	0	Negligible	15.8	15.8	0	Negligible
41	23.8	23.8	0	Negligible	16.0	16.0	0	Negligible
42	24.7	24.7	0	Negligible	16.6	16.6	0	Negligible
43	24.2	24.2	0	Negligible	16.3	16.3	0	Negligible
44	21.7	21.7	0	Negligible	14.8	14.8	0	Negligible

Receptor	Annual Mean PM ₁₀				Annual Mean PM _{2.5}				Impact Descriptor
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)		
45	25.0	25.0	0	Negligible	16.7	16.7	0	Negligible	
46	22.3	22.3	0	Negligible	15.1	15.1	0	Negligible	
47	22.9	22.9	0	Negligible	15.5	15.5	0	Negligible	
48	22.6	22.6	0	Negligible	15.3	15.3	0	Negligible	
49	22.0	22.0	0	Negligible	14.9	14.9	0	Negligible	
50	22.4	22.4	0	Negligible	15.1	15.1	0	Negligible	
51	23.6	23.6	0	Negligible	15.9	15.9	0	Negligible	
52	24.0	24.0	0	Negligible	16.2	16.2	0	Negligible	
53	24.6	24.6	0	Negligible	16.5	16.5	0	Negligible	
54	23.9	24.0	0	Negligible	16.1	16.1	0	Negligible	
55	24.6	24.6	0	Negligible	16.5	16.5	0	Negligible	
56	25.1	25.1	0	Negligible	16.8	16.8	0	Negligible	
57	26.7	26.7	0	Negligible	17.8	17.8	0	Negligible	
58	26.5	26.5	0	Negligible	17.7	17.7	0	Negligible	
59	23.0	23.0	0	Negligible	15.6	15.6	0	Negligible	
60	21.9	21.9	0	Negligible	14.9	14.9	0	Negligible	
61	21.7	21.7	0	Negligible	14.8	14.8	0	Negligible	
62	21.4	21.4	0	Negligible	14.6	14.6	0	Negligible	
63	21.2	21.2	0	Negligible	14.5	14.5	0	Negligible	
64	21.1	21.1	0	Negligible	14.4	14.4	0	Negligible	
65	21.1	21.1	0	Negligible	14.4	14.4	0	Negligible	
66	21.4	21.4	0	Negligible	14.6	14.6	0	Negligible	
67	21.0	21.0	0	Negligible	14.3	14.3	0	Negligible	
68	20.9	20.9	0	Negligible	14.3	14.3	0	Negligible	
69	20.9	20.9	0	Negligible	14.3	14.3	0	Negligible	
70	21.0	21.0	0	Negligible	14.3	14.3	0	Negligible	
71	21.0	21.0	0	Negligible	14.3	14.3	0	Negligible	
72	21.0	21.0	0	Negligible	14.4	14.4	0	Negligible	
73	20.7	20.7	0	Negligible	14.2	14.2	0	Negligible	

Receptor	Annual Mean PM ₁₀				Annual Mean PM _{2.5}				Impact Descriptor
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)		
74	21.2	21.2	0	Negligible	14.4	14.4	0	Negligible	
75	21.3	21.3	0	Negligible	14.5	14.5	0	Negligible	
76	21.1	21.1	0	Negligible	14.4	14.4	0	Negligible	
77	21.1	21.1	0	Negligible	14.4	14.4	0	Negligible	
78	21.4	21.4	0	Negligible	14.6	14.6	0	Negligible	
79	21.0	21.0	0	Negligible	14.4	14.4	0	Negligible	
80	24.6	24.6	0	Negligible	16.6	16.6	0	Negligible	
81	24.5	24.5	0	Negligible	16.4	16.5	0	Negligible	
82	20.8	20.8	0	Negligible	14.2	14.2	0	Negligible	
83	21.2	21.2	0	Negligible	14.5	14.5	0	Negligible	
84	21.2	21.2	0	Negligible	14.5	14.5	0	Negligible	
85	21.3	21.3	0	Negligible	14.5	14.5	0	Negligible	
86	21.4	21.4	0	Negligible	14.5	14.5	0	Negligible	
87	21.4	21.4	0	Negligible	14.5	14.5	0	Negligible	
88	21.3	21.3	0	Negligible	14.5	14.5	0	Negligible	
89	21.0	21.0	0	Negligible	14.3	14.3	0	Negligible	
90	20.8	20.8	0	Negligible	14.2	14.2	0	Negligible	
91	20.8	20.8	0	Negligible	14.2	14.2	0	Negligible	
92	20.9	20.9	0	Negligible	14.3	14.3	0	Negligible	
93	21.2	21.2	0	Negligible	14.4	14.4	0	Negligible	
First Floor Level (4.5m above ground)									
1	21.3	21.3	0	Negligible	14.5	14.5	0	Negligible	
2	21.4	21.4	0	Negligible	14.6	14.6	0	Negligible	
3	21.5	21.5	0	Negligible	14.6	14.6	0	Negligible	
4	21.8	21.8	0	Negligible	14.8	14.8	0	Negligible	
5	22.1	22.1	0	Negligible	15.0	15.0	0	Negligible	
6	22.2	22.2	0	Negligible	15.1	15.1	0	Negligible	
7	22.3	22.3	0	Negligible	15.1	15.1	0	Negligible	
8	22.8	22.8	0	Negligible	15.4	15.4	0	Negligible	

Receptor	Annual Mean PM ₁₀				Annual Mean PM _{2.5}				Impact Descriptor
	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)	Impact Descriptor	Without Scheme Concentration	With Scheme Concentration	Change (% of AQAL)		
9	23.0	23.0	0	Negligible	15.5	15.5	0	Negligible	
10	23.2	23.2	0	Negligible	15.6	15.6	0	Negligible	
11	22.3	22.3	0	Negligible	15.1	15.1	0	Negligible	
12	22.0	22.0	0	Negligible	14.9	14.9	0	Negligible	
13	22.1	22.1	0	Negligible	15.0	15.0	0	Negligible	
14	22.7	22.7	0	Negligible	15.4	15.4	0	Negligible	
15	22.4	22.4	0	Negligible	15.1	15.1	0	Negligible	
16	23.0	23.0	0	Negligible	15.5	15.5	0	Negligible	
17	23.2	23.2	0	Negligible	15.6	15.6	0	Negligible	
18	24.7	24.7	0	Negligible	16.5	16.5	0	Negligible	
19	22.9	22.9	0	Negligible	15.4	15.4	0	Negligible	
20	22.7	22.7	0	Negligible	15.3	15.3	0	Negligible	
21	22.6	22.6	0	Negligible	15.3	15.3	0	Negligible	
22	22.5	22.5	0	Negligible	15.2	15.2	0	Negligible	
23	22.4	22.4	0	Negligible	15.1	15.1	0	Negligible	
24	23.5	23.5	0	Negligible	15.8	15.8	0	Negligible	
25	23.2	23.2	0	Negligible	15.6	15.6	0	Negligible	
26	24.0	24.0	0	Negligible	16.1	16.1	0	Negligible	
27	23.8	23.8	0	Negligible	15.9	15.9	0	Negligible	
28	23.2	23.2	0	Negligible	15.6	15.6	0	Negligible	
29	22.8	22.8	0	Negligible	15.4	15.4	0	Negligible	
30	22.6	22.6	0	Negligible	15.3	15.3	0	Negligible	
31	21.8	21.8	0	Negligible	14.8	14.8	0	Negligible	
32	21.5	21.5	0	Negligible	14.6	14.6	0	Negligible	
33	21.4	21.4	0	Negligible	14.6	14.6	0	Negligible	
34	21.7	21.7	0	Negligible	14.7	14.7	0	Negligible	
35	22.1	22.1	0	Negligible	15.0	15.0	0	Negligible	
36	22.1	22.1	0	Negligible	15.0	15.0	0	Negligible	
37	22.9	22.9	0	Negligible	15.5	15.5	0	Negligible	