

Table A1.2: Sensitivity of the area to dust soiling effects

Receptor sensitivity	Number of receptors	Distance from the source (m)			
		< 20	< 50	< 100	< 350
High	> 100	High	High	Medium	Low
	10 – 100	High	Medium	Low	Low
	< 10	Medium	Low	Low	Low
Medium	> 1	Medium	Low	Low	Low
Low	> 1	Low	Low	Low	Low

Table A1.3: Sensitivity of the area to human health impacts

Receptor Sensitivity	Annual Mean PM ₁₀ concentration	Number of receptors	Distance from the Source (m)				
			<20	<50	<100	<200	<350
High	>32 µg/m ³	>100	High	High	High	Medium	Low
		10-100		High	Medium	Low	
		1-10		Medium	Low		
	28-32 µg/m ³	>100	High	High	Medium	Low	Low
		10-100		Medium	Low		
		1-10					
	24-28 µg/m ³	>100	High	Medium	Low	Low	Low
		10-100					
		1-10		Medium			
	<24 µg/m ³	>100	Medium	Low	Low	Low	Low
		10-100	Low				
		1-10					
Medium	>32 µg/m ³	>10	High	Medium	Low	Low	Low
		1-10	Medium	Low			
	28-32 µg/m ³	>10	Medium	Low	Low	Low	Low
		1-10	Low				
	24-28µg/m ³	>10	Low	Low	Low	Low	Low
		1-10					
	<24µg/m ³	>10	Low	Low	Low	Low	Low
		1-10					
Low	-	>1	Low	Low	Low	Low	Low

Table A1.4: Sensitivity of the area for ecological impacts

Receptor sensitivity	Distance from the source (m)	
	< 20	< 50
High	High	Medium
Medium	Medium	Low
Low	Low	Low

Table A1.5: Risk of dust impacts

Sensitivity of area	Dust emission magnitude		
	Large	Medium	Small
Demolition			
High	High risk site	Medium risk site	Medium risk site
Medium	High risk site	Medium risk site	Low risk site
Low	Medium risk site	Low risk site	Negligible
Earthworks			
High	High risk site	Medium risk site	Low risk site
Medium	Medium risk site	Medium risk site	Low risk site
Low	Low risk site	Low risk site	Negligible
Construction			
High	High risk site	Medium risk site	Low risk site
Medium	Medium risk site	Medium risk site	Low risk site
Low	Low risk site	Low risk site	Negligible
Trackout			
High	High risk site	Medium risk site	Low risk site
Medium	Medium risk site	Low risk site	Negligible
Low	Low risk site	Low risk site	Negligible

Appendix B

Traffic Data

B1 Construction Traffic Data

Figure B1.1: Construction traffic flows from A.I.A Consulting Ltd

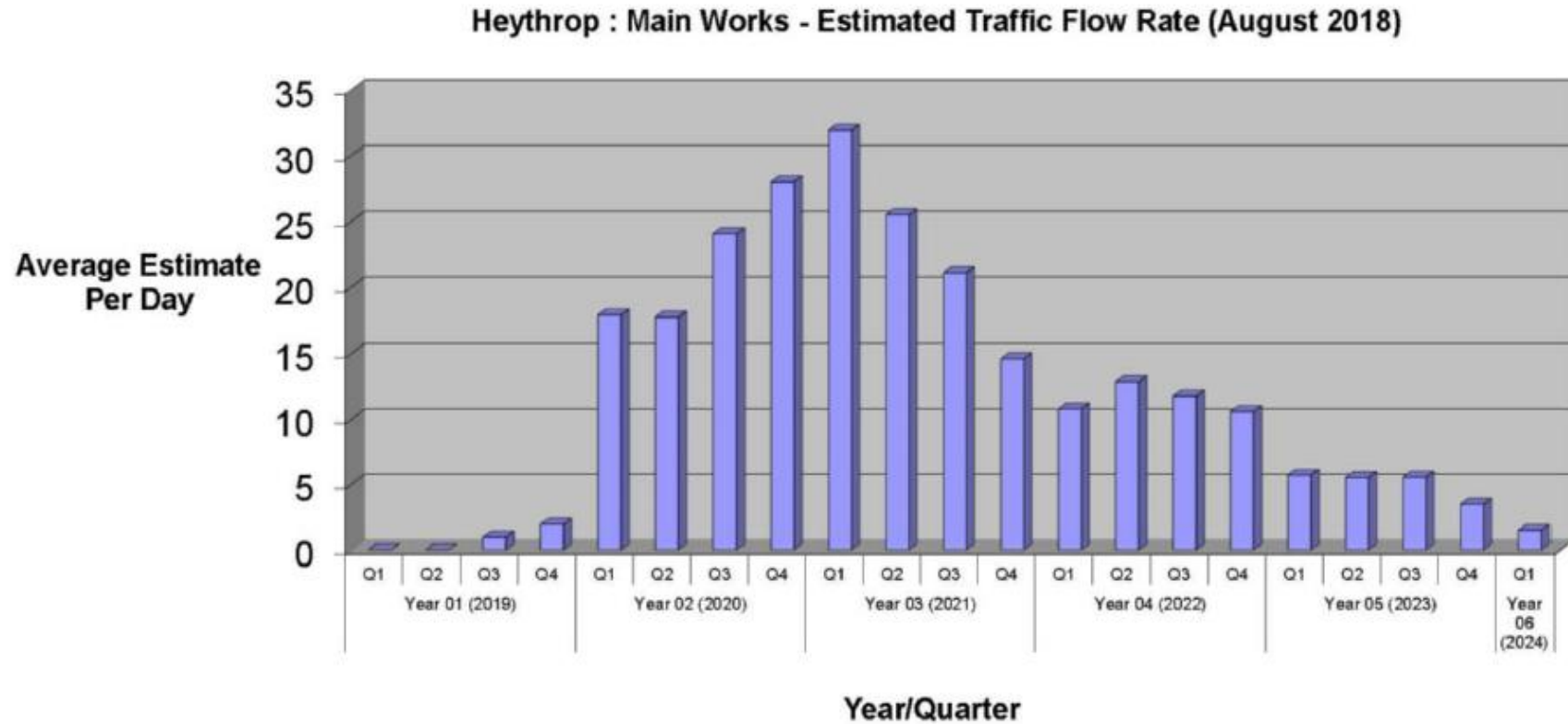


Table B1.2: Construction traffic data (AADT) and % HGV

Road ID	Road description	Speed (kph)	Baseline (2016)		Construction (2016)	
			AADT	% HGV	AADT	% HGV
1	Wrights Lane - north of Iverna Court	25	7,987	2	7,987	2
2	Wrights Lane - north of Cheniston Gardens	31	7,863	1	7,863	1
3	Wrights Lane - north of Scarsdale Place	29	8,021	1	8,021	1
4	Derry Street	16	1,810	8	1,810	8
5	Young Street - south of Kensington High Street	20	2,962	1	2,962	1
6	St. Albans Grove - east of South End Row	19	480	0	512	7
7	St. Albans Grove - east of Stanford Road	32	1,507	1	1,539	3
8	Victoria Road - north of St Albans Grove	28	1,940	1	1,972	3
9	Victoria Road - north of Douro Place	30	2,069	3	2,101	4
10	Victoria Road - north of Albert Place	29	2,192	1	2,224	3
11	Victoria Road - north of Cambridge Place	22	2,240	2	2,272	3
12	Victoria Road - north of Prince of Wales Terrace	27	1,963	5	1,995	6
JTC1	Kensington High Street - west of Wrights Ln	12	24,071	12	24,103	12
JTC1_2	Kensington High Street - east of Wrights Lane	12	20,236	13	20,268	13
JTC2	Kensington High Street - west of Derry St	12	23,833	11	23,865	12
JTC2_2	Kensington High Street - east of Derry St	12	23,839	11	23,871	12
JTC3	Kensington High Street - west of Young St	12	30,293	10	30,325	10
JTC3_2	Kensington High Street - east of Young St	12	30,461	10	30,493	10
JTC3_2b	Kensington High Street - east of Young St (Park)	12	30,461	10	30,493	10
JTC4	Kensington Square	20	3,145	3	3,145	3
JTC6	South End	20	90	0	122	26

Road ID	Road description	Speed (kph)	Baseline (2016)		Construction (2016)	
			AADT	% HGV	AADT	% HGV
1_J	Wrights Lane - junction	20	7,987	2	7,987	2
4_J	Derry Street - junction	20	1,810	8	1,810	8
5_J	Young Street - junction	20	2,962	1	2,962	1

B2 Operational Traffic Data

Table B2.1: Operational traffic data (AADT) and % HGV

Road ID	Road description	Speed (kph)	DM (2023)		DS (2023)	
			AADT	% HGV	AADT	% HGV
1	Wrights Lane - north of Iverna Court	25	7,987	2	7,987	2
2	Wrights Lane - north of Cheniston Gardens	31	7,863	1	7,863	1
3	Wrights Lane - north of Scarsdale Place	29	8,021	1	8,021	1
4	Derry Street	16	1,810	8	1,810	8
5	Young Street - south of Kensington High Street	20	2,962	1	3,000	2
6	St. Albans Grove - east of South End Row	19	480	0	553	1
7	St. Albans Grove - east of Stanford Road	32	1,507	1	1,580	1
8	Victoria Road - north of St Albans Grove	28	1,940	1	2,013	1
9	Victoria Road - north of Douro Place	30	2,069	3	2,142	3
10	Victoria Road - north of Albert Place	29	2,192	1	2,265	2
11	Victoria Road - north of Cambridge Place	22	2,240	2	2,313	2
12	Victoria Road - north of Prince of Wales Terrace	27	1,963	5	2,036	5
JTC1	Kensington High Street - west of Wrights Ln	12	24,071	12	24,090	12
JTC1_2	Kensington High Street - east of Wrights Lane	12	20,236	13	20,255	13
JTC2	Kensington High Street - west of Derry St	12	23,833	11	23,852	11
JTC2_2	Kensington High Street - east of Derry St	12	23,839	11	23,858	11
JTC3	Kensington High Street - west of Young St	12	30,293	10	30,312	10
JTC3_2	Kensington High Street - east of Young St	12	30,461	10	30,480	10
JTC3_2b	Kensington High Street - east of Young St (Park)	12	30,461	10	30,480	10

Road ID	Road description	Speed (kph)	DM (2023)		DS (2023)	
			AADT	% HGV	AADT	% HGV
JTC4	Kensington Square	20	3,145	3	3,184	3
JTC6	South End	20	90	0	187	8
1_J	Wrights Lane - junction	20	7,987	2	7,987	2
4_J	Derry Street - junction	20	1,810	8	1,810	8
5_J	Young Street - junction	20	2,962	1	3,000	2

Appendix C

Sensitive Receptors

C1 Sensitive Road Receptors

Table C1.1: Details of sensitive road receptors

ID	Description	NGR (m)		Height (m)
		X	Y	
1	36 Kensington Square	525671	179535	1.5
2	34 Kensington Square	525669	179520	1.5
3	25 Kensington Square	525687	179463	1.5
4	20 Kensington Square	525725	179461	1.5
5	13 Kensington Square	525784	179486	1.5
6	10 Kensington Square	525780	179510	1.5
7	3 Kensington Square	525765	179557	1.5
8	45 Kensington Square	525749	179567	1.5
9	14 South End	525765	179390	1.5
10	17 South End	525782	179386	1.5
11	17 Ansdell Street	525815	179390	1.5
12	16 St Albans Grove	525822	179373	1.5
13	12 St Albans Grove	525875	179372	1.5
14	Richmond University	525942	179382	1.5
15	32A Victoria Road	525999	179368	1.5
16	30 Victoria Road	526003	179385	1.5
17	37 Victoria Road	526027	179384	1.5
18	14 Victoria Road	526013	179468	1.5
19	23 Victoria Road	526027	179466	1.5
20	One Kensington Gardens	526027	179590	1.5
21	16 Prince of Wales Terrace	526014	179619	1.5
22	2-14 Prince of Wales Terrace	526014	179669	1.5
23	1-6 Kensington Court	525919	179693	3.0
24	40-22 Kensington High Street	525790	179697	4.5
25	Ashbourne College	525740	179741	1.5
26	62-64 Kensington High Street	525694	179693	1.5
27	St Mary Abbots Primary School	525583	179665	1.5
28	82 Kensington High Street	525604	179639	3.0
29	104 Kensington High Street	525533	179587	1.5
30	123 Kensington High Street	525547	179563	1.5
31	Hornton Court A	525484	179556	3.0
32	Hornton Court B	525433	179525	3.0
33	131 Kensington High Street	525494	179520	1.5

ID	Description	NGR (m)		Height (m)
		X	Y	
34	Iverna Court	525511	179464	1.5
35	Campbell Harris (Private College)	525351	179442	3.0

C2 Sensitive Combustion Receptors

Table C2.1: Details of sensitive combustion receptors

ID	NGR (m)		Height (m)
	X	Y	
36_1.5	525649	179445	1.5
36_4.5	525649	179445	4.5
36_10.5	525649	179445	10.5
37_1.5	525660	179407	1.5
37_5	525660	179407	5.0
37_11.5	525660	179407	11.5
38_1.5	525675	179417	1.5
38_7.5	525675	179417	7.5
38_16.5	525675	179417	16.5
39_1.5	525686	179434	1.5
39_7.5	525686	179434	7.5
39_16.5	525686	179434	16.5
40_1.5	525707	179441	1.5
40_7.5	525707	179441	7.5
40_16.5	525707	179441	16.5
41_1.5	525724	179416	1.5
41_5	525724	179416	5.0
41_12	525724	179416	12.0
42_1.5	525735	179386	1.5
42_5	525735	179386	5.0
42_12	525735	179386	12.0
43_1.5	525664	179369	1.5
43_13	525664	179369	13.0
43_26	525664	179369	26.0
44_1.5	525685	179395	1.5
44_13	525685	179395	13.0
44_26	525685	179395	26.0
45_1.5	525697	179358	1.5
45_13	525697	179358	13.0
45_22	525697	179358	22.0
45_26	525697	179358	26.0
46_1.5	525686	179345	1.5
46_8	525686	179345	8.0

ID	NGR (m)		Height (m)
	X	Y	
46_17.5	525686	179345	17.5
47_1.5	525693	179321	1.5
47_8	525693	179321	8.0
47_17.5	525693	179321	17.5
48_1.5	525700	179355	1.5
48_14	525700	179355	14.0
48_29.5	525700	179355	29.5
49_21	525704	179338	21.0
50_1.5	525721	179291	1.5
50_14	525721	179291	14.0
50_29.5	525721	179291	29.5
51_1.5	525727	179364	1.5
51_14	525727	179364	14.0
51_29.5	525727	179364	29.5
52_1.5	525738	179332	1.5
52_14	525738	179332	14.0
52_29.5	525738	179332	29.5
53_1.5	525748	179300	1.5
53_14	525748	179300	14.0
53_29.5	525748	179300	29.5
54_1.5	525741	179352	1.5
54_4	525741	179352	4.0
54_9.5	525741	179352	9.5
55_1.5	525743	179373	1.5
55_7	525743	179373	7.0
55_15	525743	179373	15.0
56_1.5	525752	179346	1.5
56_7	525752	179346	7.0
56_15	525752	179346	15.0
57_1.5	525761	179322	1.5
57_7	525761	179322	7.0
57_15	525761	179322	15.0
58_1.5	525770	179311	1.5
58_4	525770	179311	4.0
58_9.5	525770	179311	9.5
59_1.5	525762	179379	1.5

ID	NGR (m)		Height (m)
	X	Y	
59_7	525762	179379	7.0
59_15	525762	179379	15.0

Appendix D

Construction Traffic Assessment

D1 Construction Traffic Assessment

D1.1 Long-term Results

Table D1.1: NO₂ annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	46.6	46.6	0.03	Negligible
2	34 Kensington Square	47.1	47.1	0.03	Negligible
3	25 Kensington Square	40.9	40.9	0.02	Negligible
4	20 Kensington Square	40.5	40.5	0.02	Negligible
5	13 Kensington Square	40.1	40.1	0.03	Negligible
6	10 Kensington Square	41.8	41.9	0.02	Negligible
7	3 Kensington Square	43.1	43.2	0.03	Negligible
8	45 Kensington Square	46.3	46.3	0.02	Negligible
9	14 South End	38.0	38.7	0.71	Moderate adverse
10	17 South End	37.9	38.6	0.68	Moderate adverse
11	17 Ansdell Street	37.8	38.5	0.71	Moderate adverse
12	16 St Albans Grove	37.7	38.0	0.29	Slight adverse
13	12 St Albans Grove	39.6	40.1	0.42	Slight adverse
14	Richmond University	37.8	37.9	0.12	Negligible
15	32A Victoria Road	37.9	38.0	0.17	Negligible
16	30 Victoria Road	37.8	37.9	0.13	Negligible
17	37 Victoria Road	37.7	37.8	0.12	Negligible
18	14 Victoria Road	38.5	38.7	0.15	Negligible
19	23 Victoria Road	38.4	38.5	0.14	Negligible
20	One Kensington Gardens	40.5	40.7	0.22	Slight adverse
21	16 Prince of Wales Terrace	41.3	41.4	0.16	Negligible
22	2-14 Prince of Wales Terrace	50.4	50.6	0.18	Negligible
23	1-6 Kensington Court	58.5	58.6	0.12	Negligible
24	40-22 Kensington High Street	59.1	59.2	0.12	Negligible
25	Ashbourne College	43.3	43.4	0.05	Negligible
26	62-64 Kensington High Street	57.2	57.3	0.12	Negligible
27	St Mary Abbots Primary School	42.3	42.4	0.04	Negligible
28	82 Kensington High Street	54.4	54.5	0.12	Negligible

ID	Description	DM	DS	Change	Impact descriptor
29	104 Kensington High Street	53.6	53.7	0.12	Negligible
30	123 Kensington High Street	67.5	67.7	0.19	Negligible
31	Hornton Court A	53.0	53.1	0.11	Negligible
32	Hornton Court B	55.3	55.4	0.12	Negligible
33	131 Kensington High Street	67.0	67.2	0.11	Negligible
34	Iverna Court	44.8	44.8	0.04	Negligible
35	Campbell Harris (Private College)	59.9	60.0	0.14	Negligible

Table D1.2: PM₁₀ annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	20.3	20.3	-0.01	Negligible
2	34 Kensington Square	20.3	20.3	-0.01	Negligible
3	25 Kensington Square	20.0	20.0	<-0.01	Negligible
4	20 Kensington Square	20.0	20.0	<-0.01	Negligible
5	13 Kensington Square	20.0	20.0	<-0.01	Negligible
6	10 Kensington Square	20.1	20.1	-0.01	Negligible
7	3 Kensington Square	20.2	20.2	-0.01	Negligible
8	45 Kensington Square	20.4	20.4	<-0.01	Negligible
9	14 South End	19.9	19.9	0.02	Negligible
10	17 South End	19.9	19.9	0.02	Negligible
11	17 Ansdell Street	19.9	19.9	0.02	Negligible
12	16 St Albans Grove	19.9	19.9	0.01	Negligible
13	12 St Albans Grove	20.0	20.1	0.01	Negligible
14	Richmond University	19.9	19.9	<0.01	Negligible
15	32A Victoria Road	19.9	19.9	<0.01	Negligible
16	30 Victoria Road	19.9	19.9	<0.01	Negligible
17	37 Victoria Road	19.9	19.9	<0.01	Negligible
18	14 Victoria Road	19.9	20.0	<0.01	Negligible
19	23 Victoria Road	19.9	19.9	<0.01	Negligible
20	One Kensington Gardens	20.0	20.0	<0.01	Negligible
21	16 Prince of Wales Terrace	20.0	20.1	<0.01	Negligible
22	2-14 Prince of Wales Terrace	20.4	20.4	<0.01	Negligible
23	1-6 Kensington Court	20.8	20.8	<-0.01	Negligible
24	40-22 Kensington High Street	20.9	20.9	<0.01	Negligible
25	Ashbourne College	20.1	20.1	<0.01	Negligible
26	62-64 Kensington High Street	20.7	20.8	0.01	Negligible
27	St Mary Abbots Primary School	20.1	20.1	<0.01	Negligible
28	82 Kensington High Street	20.6	20.6	0.01	Negligible
29	104 Kensington High Street	20.5	20.5	0.01	Negligible
30	123 Kensington High Street	21.2	21.3	0.01	Negligible
31	Hornton Court A	20.5	20.5	<0.01	Negligible
32	Hornton Court B	20.6	20.6	<0.01	Negligible
33	131 Kensington High Street	21.7	21.7	0.01	Negligible
34	Iverna Court	20.3	20.3	<0.01	Negligible
35	Campbell Harris (Private College)	20.8	20.8	<0.01	Negligible

Table D1.3: PM_{2.5} annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	12.8	12.8	0.01	Negligible
2	34 Kensington Square	12.9	12.9	0.01	Negligible
3	25 Kensington Square	12.7	12.7	<0.01	Negligible
4	20 Kensington Square	12.7	12.7	<0.01	Negligible
5	13 Kensington Square	12.6	12.6	<0.01	Negligible
6	10 Kensington Square	12.7	12.7	<0.01	Negligible
7	3 Kensington Square	12.7	12.7	<0.01	Negligible
8	45 Kensington Square	12.9	12.9	<-0.01	Negligible
9	14 South End	12.6	12.6	0.03	Negligible
10	17 South End	12.6	12.6	0.02	Negligible
11	17 Ansdell Street	12.6	12.6	0.03	Negligible
12	16 St Albans Grove	12.6	12.6	0.01	Negligible
13	12 St Albans Grove	12.7	12.7	0.02	Negligible
14	Richmond University	12.6	12.6	0.01	Negligible
15	32A Victoria Road	12.6	12.6	0.01	Negligible
16	30 Victoria Road	12.6	12.6	0.01	Negligible
17	37 Victoria Road	12.6	12.6	<0.01	Negligible
18	14 Victoria Road	12.6	12.6	<0.01	Negligible
19	23 Victoria Road	12.6	12.6	<0.01	Negligible
20	One Kensington Gardens	12.7	12.7	<0.01	Negligible
21	16 Prince of Wales Terrace	12.7	12.7	0.01	Negligible
22	2-14 Prince of Wales Terrace	12.9	12.9	0.01	Negligible
23	1-6 Kensington Court	13.2	13.2	<0.01	Negligible
24	40-22 Kensington High Street	13.2	13.2	<0.01	Negligible
25	Ashbourne College	12.7	12.7	<0.01	Negligible
26	62-64 Kensington High Street	13.1	13.1	<0.01	Negligible
27	St Mary Abbots Primary School	12.7	12.7	<0.01	Negligible
28	82 Kensington High Street	13.0	13.0	<0.01	Negligible
29	104 Kensington High Street	13.0	13.0	<0.01	Negligible
30	123 Kensington High Street	13.4	13.4	<-0.01	Negligible
31	Hornton Court A	13.0	13.0	<0.01	Negligible
32	Hornton Court B	13.0	13.0	<0.01	Negligible
33	131 Kensington High Street	13.7	13.7	<0.01	Negligible
34	Iverna Court	12.8	12.8	<-0.01	Negligible
35	Campbell Harris (Private College)	13.2	13.2	<-0.01	Negligible

D2 Sensitivity Test of Time-varying Emission Factors

D2.1 Long-term Results

Table D2.1: NO₂ annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	46.6	46.6	0.02	Negligible
2	34 Kensington Square	47.1	47.1	0.02	Negligible
3	25 Kensington Square	40.9	40.9	0.01	Negligible
4	20 Kensington Square	40.5	40.5	0.02	Negligible
5	13 Kensington Square	40.1	40.1	0.01	Negligible
6	10 Kensington Square	41.8	41.9	0.01	Negligible
7	3 Kensington Square	43.1	43.2	0.01	Negligible
8	45 Kensington Square	46.3	46.3	0.02	Negligible
9	14 South End	38.0	38.4	0.38	Slight adverse
10	17 South End	37.9	38.2	0.36	Slight adverse
11	17 Ansdell Street	37.8	38.2	0.37	Slight adverse
12	16 St Albans Grove	37.7	37.9	0.13	Negligible
13	12 St Albans Grove	39.6	39.9	0.22	Slight adverse
14	Richmond University	37.8	37.8	0.06	Negligible
15	32A Victoria Road	37.9	37.9	0.07	Negligible
16	30 Victoria Road	37.8	37.9	0.07	Negligible
17	37 Victoria Road	37.7	37.8	0.06	Negligible
18	14 Victoria Road	38.5	38.6	0.08	Negligible
19	23 Victoria Road	38.4	38.4	0.06	Negligible
20	One Kensington Gardens	40.5	40.6	0.11	Negligible
21	16 Prince of Wales Terrace	41.3	41.3	0.07	Negligible
22	2-14 Prince of Wales Terrace	50.4	50.5	0.09	Negligible
23	1-6 Kensington Court	58.5	58.5	0.06	Negligible
24	40-22 Kensington High Street	59.1	59.1	0.06	Negligible
25	Ashbourne College	43.3	43.4	0.03	Negligible
26	62-64 Kensington High Street	57.2	57.2	0.07	Negligible
27	St Mary Abbots Primary School	42.3	42.4	0.03	Negligible

ID	Description	DM	DS	Change	Impact descriptor
28	82 Kensington High Street	54.4	54.5	0.06	Negligible
29	104 Kensington High Street	53.6	53.7	0.07	Negligible
30	123 Kensington High Street	67.5	67.6	0.10	Negligible
31	Hornton Court A	53.0	53.1	0.06	Negligible
32	Hornton Court B	55.3	55.4	0.07	Negligible
33	131 Kensington High Street	67.0	67.1	0.05	Negligible
34	Iverna Court	44.8	44.8	0.01	Negligible
35	Campbell Harris (Private College)	59.9	59.9	0.06	Negligible

Table D2.2: PM₁₀ annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	20.3	20.3	<0.01	Negligible
2	34 Kensington Square	20.3	20.3	<0.01	Negligible
3	25 Kensington Square	20.0	20.0	<0.01	Negligible
4	20 Kensington Square	20.0	20.0	<0.01	Negligible
5	13 Kensington Square	20.0	20.0	<0.01	Negligible
6	10 Kensington Square	20.1	20.1	<-0.01	Negligible
7	3 Kensington Square	20.2	20.2	<-0.01	Negligible
8	45 Kensington Square	20.4	20.4	<0.01	Negligible
9	14 South End	19.9	19.9	0.01	Negligible
10	17 South End	19.9	19.9	0.01	Negligible
11	17 Ansdell Street	19.9	19.9	0.01	Negligible
12	16 St Albans Grove	19.9	19.9	<0.01	Negligible
13	12 St Albans Grove	20.0	20.1	0.01	Negligible
14	Richmond University	19.9	19.9	<0.01	Negligible
15	32A Victoria Road	19.9	19.9	<0.01	Negligible
16	30 Victoria Road	19.9	19.9	<0.01	Negligible
17	37 Victoria Road	19.9	19.9	<0.01	Negligible
18	14 Victoria Road	19.9	19.9	<0.01	Negligible
19	23 Victoria Road	19.9	19.9	<0.01	Negligible
20	One Kensington Gardens	20.0	20.0	<0.01	Negligible
21	16 Prince of Wales Terrace	20.0	20.1	<0.01	Negligible
22	2-14 Prince of Wales Terrace	20.4	20.4	<0.01	Negligible
23	1-6 Kensington Court	20.8	20.8	-0.01	Negligible
24	40-22 Kensington High Street	20.9	20.9	<0.01	Negligible
25	Ashbourne College	20.1	20.1	<0.01	Negligible
26	62-64 Kensington High Street	20.7	20.8	0.01	Negligible
27	St Mary Abbots Primary School	20.1	20.1	<0.01	Negligible
28	82 Kensington High Street	20.6	20.6	<0.01	Negligible
29	104 Kensington High Street	20.5	20.5	<0.01	Negligible
30	123 Kensington High Street	21.2	21.2	<0.01	Negligible
31	Hornton Court A	20.5	20.5	<0.01	Negligible
32	Hornton Court B	20.6	20.6	<0.01	Negligible
33	131 Kensington High Street	21.7	21.7	<0.01	Negligible
34	Iverna Court	20.3	20.3	<0.01	Negligible
35	Campbell Harris (Private College)	20.8	20.8	<0.01	Negligible

Table D2.3: PM_{2.5} annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	12.8	12.8	<0.01	Negligible
2	34 Kensington Square	12.9	12.9	<0.01	Negligible
3	25 Kensington Square	12.7	12.7	<0.01	Negligible
4	20 Kensington Square	12.7	12.7	<0.01	Negligible
5	13 Kensington Square	12.6	12.6	<0.01	Negligible
6	10 Kensington Square	12.7	12.7	<0.01	Negligible
7	3 Kensington Square	12.7	12.7	<0.01	Negligible
8	45 Kensington Square	12.9	12.9	<0.01	Negligible
9	14 South End	12.6	12.6	0.01	Negligible
10	17 South End	12.6	12.6	0.01	Negligible
11	17 Ansdell Street	12.6	12.6	0.01	Negligible
12	16 St Albans Grove	12.6	12.6	<0.01	Negligible
13	12 St Albans Grove	12.7	12.7	0.01	Negligible
14	Richmond University	12.6	12.6	<0.01	Negligible
15	32A Victoria Road	12.6	12.6	<0.01	Negligible
16	30 Victoria Road	12.6	12.6	<0.01	Negligible
17	37 Victoria Road	12.6	12.6	<0.01	Negligible
18	14 Victoria Road	12.6	12.6	<0.01	Negligible
19	23 Victoria Road	12.6	12.6	<0.01	Negligible
20	One Kensington Gardens	12.7	12.7	<0.01	Negligible
21	16 Prince of Wales Terrace	12.7	12.7	<0.01	Negligible
22	2-14 Prince of Wales Terrace	12.9	12.9	<0.01	Negligible
23	1-6 Kensington Court	13.2	13.2	<0.01	Negligible
24	40-22 Kensington High Street	13.2	13.2	<0.01	Negligible
25	Ashbourne College	12.7	12.7	<0.01	Negligible
26	62-64 Kensington High Street	13.1	13.1	<0.01	Negligible
27	St Mary Abbots Primary School	12.7	12.7	<0.01	Negligible
28	82 Kensington High Street	13.0	13.0	<0.01	Negligible
29	104 Kensington High Street	13.0	13.0	<0.01	Negligible
30	123 Kensington High Street	13.4	13.4	<0.01	Negligible
31	Hornton Court A	13.0	13.0	<0.01	Negligible
32	Hornton Court B	13.0	13.0	<0.01	Negligible
33	131 Kensington High Street	13.7	13.7	<0.01	Negligible
34	Iverna Court	12.8	12.8	<0.01	Negligible
35	Campbell Harris (Private College)	13.2	13.2	<0.01	Negligible

Appendix E

Operational Traffic Assessment

E1 Operational Traffic Assessment

E1.1 Long-term Results

Table E1.1: NO₂ annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	46.6	46.6	<0.01	Negligible
2	34 Kensington Square	47.1	47.2	0.1	Negligible
3	25 Kensington Square	40.9	41.0	0.1	Negligible
4	20 Kensington Square	40.5	40.6	0.1	Negligible
5	13 Kensington Square	40.1	40.2	0.1	Negligible
6	10 Kensington Square	41.8	42.0	0.1	Negligible
7	3 Kensington Square	43.1	43.3	0.1	Negligible
8	45 Kensington Square	46.3	46.5	0.2	Moderate adverse
9	14 South End	38.0	38.5	0.5	Slight adverse
10	17 South End	37.9	38.4	0.5	Slight adverse
11	17 Ansdell Street	37.8	38.3	0.5	Slight adverse
12	16 St Albans Grove	37.7	37.9	0.1	Negligible
13	12 St Albans Grove	39.6	39.8	0.2	Negligible
14	Richmond University	37.8	37.8	0.1	Negligible
15	32A Victoria Road	37.9	37.9	0.1	Negligible
16	30 Victoria Road	37.8	37.9	0.1	Negligible
17	37 Victoria Road	37.7	37.8	0.1	Negligible
18	14 Victoria Road	38.5	38.6	0.1	Negligible
19	23 Victoria Road	38.4	38.4	0.1	Negligible
20	One Kensington Gardens	40.5	40.6	0.1	Negligible
21	16 Prince of Wales Terrace	41.3	41.3	0.1	Negligible
22	2-14 Prince of Wales Terrace	50.4	50.5	0.1	Negligible
23	1-6 Kensington Court	58.5	58.5	<0.01	Negligible
24	40-22 Kensington High Street	59.1	59.1	<0.01	Negligible
25	Ashbourne College	43.3	43.3	<0.01	Negligible
26	62-64 Kensington High Street	57.2	57.2	<0.01	Negligible
27	St Mary Abbots Primary School	42.3	42.3	<0.01	Negligible
28	82 Kensington High Street	54.4	54.4	<0.01	Negligible
29	104 Kensington High Street	53.6	53.6	<0.01	Negligible

ID	Description	DM	DS	Change	Impact descriptor
30	123 Kensington High Street	67.5	67.6	<0.01	Negligible
31	Hornton Court A	53.0	53.0	<0.01	Negligible
32	Hornton Court B	55.3	55.3	<0.01	Negligible
33	131 Kensington High Street	67.0	67.1	<0.01	Negligible
34	Iverna Court	44.8	44.8	<0.01	Negligible
35	Campbell Harris (Private College)	59.9	59.9	<0.01	Negligible

Table E1.2: PM₁₀ annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	20.3	20.3	<0.01	Negligible
2	34 Kensington Square	20.3	20.3	<0.01	Negligible
3	25 Kensington Square	20.0	20.1	<0.01	Negligible
4	20 Kensington Square	20.0	20.0	<0.01	Negligible
5	13 Kensington Square	20.0	20.0	<0.01	Negligible
6	10 Kensington Square	20.1	20.1	<0.01	Negligible
7	3 Kensington Square	20.2	20.2	<0.01	Negligible
8	45 Kensington Square	20.4	20.4	<0.01	Negligible
9	14 South End	19.9	19.9	<0.01	Negligible
10	17 South End	19.9	19.9	<0.01	Negligible
11	17 Ansdell Street	19.9	19.9	<0.01	Negligible
12	16 St Albans Grove	19.9	19.9	<0.01	Negligible
13	12 St Albans Grove	20.0	20.1	<0.01	Negligible
14	Richmond University	19.9	19.9	<0.01	Negligible
15	32A Victoria Road	19.9	19.9	<0.01	Negligible
16	30 Victoria Road	19.9	19.9	<0.01	Negligible
17	37 Victoria Road	19.9	19.9	<0.01	Negligible
18	14 Victoria Road	19.9	20.0	<0.01	Negligible
19	23 Victoria Road	19.9	19.9	<0.01	Negligible
20	One Kensington Gardens	20.0	20.0	<0.01	Negligible
21	16 Prince of Wales Terrace	20.0	20.1	<0.01	Negligible
22	2-14 Prince of Wales Terrace	20.4	20.4	<0.01	Negligible
23	1-6 Kensington Court	20.8	20.8	<0.01	Negligible
24	40-22 Kensington High Street	20.9	20.9	<0.01	Negligible
25	Ashbourne College	20.1	20.1	<0.01	Negligible
26	62-64 Kensington High Street	20.7	20.7	<0.01	Negligible
27	St Mary Abbots Primary School	20.1	20.1	<0.01	Negligible
28	82 Kensington High Street	20.6	20.6	<0.01	Negligible
29	104 Kensington High Street	20.5	20.5	<0.01	Negligible
30	123 Kensington High Street	21.2	21.3	<0.01	Negligible
31	Hornton Court A	20.5	20.5	<0.01	Negligible
32	Hornton Court B	20.6	20.6	<0.01	Negligible
33	131 Kensington High Street	21.7	21.7	<0.01	Negligible
34	Iverna Court	20.3	20.3	<0.01	Negligible
35	Campbell Harris (Private College)	20.8	20.8	<0.01	Negligible

Table E1.3: PM_{2.5} annual mean concentrations (µg/m³)

ID	Description	DM	DS	Change	Impact descriptor
1	36 Kensington Square	12.8	12.8	<0.01	Negligible
2	34 Kensington Square	12.9	12.9	<0.01	Negligible
3	25 Kensington Square	12.7	12.7	<0.01	Negligible
4	20 Kensington Square	12.7	12.7	<0.01	Negligible
5	13 Kensington Square	12.6	12.6	<0.01	Negligible
6	10 Kensington Square	12.7	12.7	<0.01	Negligible
7	3 Kensington Square	12.7	12.7	<0.01	Negligible
8	45 Kensington Square	12.9	12.9	<0.01	Negligible
9	14 South End	12.6	12.6	<0.01	Negligible
10	17 South End	12.6	12.6	<0.01	Negligible
11	17 Ansdell Street	12.6	12.6	<0.01	Negligible
12	16 St Albans Grove	12.6	12.6	<0.01	Negligible
13	12 St Albans Grove	12.7	12.7	<0.01	Negligible
14	Richmond University	12.6	12.6	<0.01	Negligible
15	32A Victoria Road	12.6	12.6	<0.01	Negligible
16	30 Victoria Road	12.6	12.6	<0.01	Negligible
17	37 Victoria Road	12.6	12.6	<0.01	Negligible
18	14 Victoria Road	12.6	12.6	<0.01	Negligible
19	23 Victoria Road	12.6	12.6	<0.01	Negligible
20	One Kensington Gardens	12.7	12.7	<0.01	Negligible
21	16 Prince of Wales Terrace	12.7	12.7	<0.01	Negligible
22	2-14 Prince of Wales Terrace	12.9	12.9	<0.01	Negligible
23	1-6 Kensington Court	13.2	13.2	<0.01	Negligible
24	40-22 Kensington High Street	13.2	13.2	<0.01	Negligible
25	Ashbourne College	12.7	12.7	<0.01	Negligible
26	62-64 Kensington High Street	13.1	13.1	<0.01	Negligible
27	St Mary Abbots Primary School	12.7	12.7	<0.01	Negligible
28	82 Kensington High Street	13.0	13.0	<0.01	Negligible
29	104 Kensington High Street	13.0	13.0	<0.01	Negligible
30	123 Kensington High Street	13.4	13.4	<0.01	Negligible
31	Hornton Court A	13.0	13.0	<0.01	Negligible
32	Hornton Court B	13.0	13.0	<0.01	Negligible
33	131 Kensington High Street	13.7	13.7	<0.01	Negligible
34	Iverna Court	12.8	12.8	<0.01	Negligible
35	Campbell Harris (Private College)	13.2	13.2	<0.01	Negligible

Appendix F

Combustion Sources Assessment

F1 Combustion Sources Assessment

F1.1 Long-term Results

Table F1.1: NO₂ annual mean concentrations (µg/m³)

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
1	1.5	0.02	2014	46.6	Negligible
2	1.5	0.02	2014	47.1	Negligible
3	1.5	0.03	2014	40.9	Negligible
4	1.5	0.04	2014	40.6	Negligible
5	1.5	0.04	2014	40.1	Negligible
6	1.5	0.03	2014	41.9	Negligible
7	1.5	0.02	2014	43.2	Negligible
8	1.5	0.02	2014	46.3	Negligible
9	1.5	<0.01	2012	38.0	Negligible
10	1.5	0.07	2015	37.9	Negligible
11	1.5	0.05	2012	37.9	Negligible
12	1.5	0.06	2012	37.8	Negligible
13	1.5	0.04	2012	39.7	Negligible
14	1.5	0.03	2012	37.8	Negligible
15	1.5	0.02	2012	37.9	Negligible
16	1.5	0.02	2012	37.8	Negligible
17	1.5	0.02	2012	37.7	Negligible
18	1.5	0.01	2012	38.5	Negligible
19	1.5	0.01	2012	38.4	Negligible
20	1.5	<0.01	2012	40.5	Negligible
21	1.5	<0.01	2015	41.3	Negligible
22	1.5	<0.01	2015	50.4	Negligible
23	3.0	<0.01	2015	58.5	Negligible
24	4.5	<0.01	2014	59.1	Negligible
25	1.5	<0.01	2014	43.3	Negligible
26	1.5	<0.01	2014	57.2	Negligible
27	1.5	<0.01	2014	42.3	Negligible
28	3.0	<0.01	2014	54.4	Negligible
29	1.5	<0.01	2016	53.6	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
30	1.5	<0.01	2016	67.5	Negligible
31	3.0	<0.01	2016	53.0	Negligible
32	3.0	<0.01	2016	55.3	Negligible
33	1.5	<0.01	2016	67.0	Negligible
34	1.5	<0.01	2016	44.8	Negligible
35	3.0	<0.01	2013	59.9	Negligible
36_1.5	1.5	0.02	2014	35.9	Negligible
36_4.5	4.5	0.02	2014	35.9	Negligible
36_10.5	10.5	0.02	2014	35.9	Negligible
37_1.5	1.5	0.03	2016	35.9	Negligible
37_5	5.0	0.03	2016	35.9	Negligible
37_11.5	11.5	0.03	2016	35.9	Negligible
38_1.5	1.5	0.03	2016	35.9	Negligible
38_7.5	7.5	0.03	2016	35.9	Negligible
38_16.5	16.5	0.04	2014	35.9	Negligible
39_1.5	1.5	0.03	2014	35.9	Negligible
39_7.5	7.5	0.03	2014	35.9	Negligible
39_16.5	16.5	0.04	2014	35.9	Negligible
40_1.5	1.5	0.03	2014	35.9	Negligible
40_7.5	7.5	0.03	2014	35.9	Negligible
40_16.5	16.5	0.05	2014	35.9	Negligible
41_1.5	1.5	<0.01	2012	35.8	Negligible
41_5	5.0	<0.01	2012	35.8	Negligible
41_12	12.0	<0.01	2012	35.8	Negligible
42_1.5	1.5	0.12	2014	36.0	Negligible
42_5	5.0	0.12	2014	36.0	Negligible
42_12	12.0	0.12	2014	36.0	Negligible
43_1.5	1.5	0.06	2013	35.9	Negligible
43_13	13.0	0.06	2013	35.9	Negligible
43_26	26.0	0.06	2013	35.9	Negligible
44_1.5	1.5	0.06	2016	35.9	Negligible
44_13	13.0	0.06	2016	35.9	Negligible
44_26	26.0	0.08	2016	35.9	Negligible
45_1.5	1.5	0.15	2013	36.0	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
45_13	13.0	0.15	2013	36.0	Negligible
45_22	22.0	0.15	2013	36.0	Negligible
45_26	26.0	0.15	2013	36.0	Negligible
46_1.5	1.5	0.18	2013	36.0	Negligible
46_8	8.0	0.18	2013	36.0	Negligible
46_17.5	17.5	0.18	2013	36.0	Negligible
47_1.5	1.5	0.16	2013	36.0	Negligible
47_8	8.0	0.16	2013	36.0	Negligible
47_17.5	17.5	0.16	2013	36.0	Negligible
48_1.5	1.5	0.22	2013	36.1	Negligible
48_14	14.0	0.22	2013	36.1	Negligible
48_29.5	29.5	0.22	2013	36.1	Negligible
49_21	21.0	0.24	2013	36.1	Negligible
50_1.5	1.5	0.12	2013	36.0	Negligible
50_14	14.0	0.12	2013	36.0	Negligible
50_29.5	29.5	0.12	2013	36.0	Negligible
51_1.5	1.5	0.21	2014	36.1	Negligible
51_14	14.0	0.21	2014	36.1	Negligible
51_29.5	29.5	0.21	2014	36.1	Negligible
52_1.5	1.5	0.24	2013	36.1	Negligible
52_14	14.0	0.24	2013	36.1	Negligible
52_29.5	29.5	0.24	2013	36.1	Negligible
53_1.5	1.5	0.20	2013	36.0	Negligible
53_14	14.0	0.20	2013	36.0	Negligible
53_29.5	29.5	0.20	2013	36.0	Negligible
54_1.5	1.5	0.19	2012	36.0	Negligible
54_4	4.0	0.19	2012	36.0	Negligible
54_9.5	9.5	0.19	2012	36.0	Negligible
55_1.5	1.5	0.17	2012	36.0	Negligible
55_7	7.0	0.17	2012	36.0	Negligible
55_15	15.0	0.17	2012	36.0	Negligible
56_1.5	1.5	0.17	2012	36.0	Negligible
56_7	7.0	0.17	2012	36.0	Negligible
56_15	15.0	0.17	2012	36.0	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
57_1.5	1.5	0.17	2012	36.0	Negligible
57_7	7.0	0.17	2012	36.0	Negligible
57_15	15.0	0.17	2012	36.0	Negligible
58_1.5	1.5	0.09	2012	35.9	Negligible
58_4	4.0	0.09	2012	35.9	Negligible
58_9.5	9.5	0.09	2012	35.9	Negligible
59_1.5	1.5	0.10	2015	35.9	Negligible
59_7	7.0	0.10	2015	35.9	Negligible
59_15	15.0	0.11	2015	35.9	Negligible

F1.2 Short-term Results

Table F1.2: NO₂ 99.79th percentile – hourly concentrations (µg/m³)

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
1	1.5	0.26	2016	93.4	Negligible
2	1.5	0.29	2016	94.4	Negligible
3	1.5	0.35	2016	82.1	Negligible
4	1.5	0.38	2013	81.4	Negligible
5	1.5	0.38	2016	80.6	Negligible
6	1.5	0.32	2016	84.0	Negligible
7	1.5	0.22	2016	86.5	Negligible
8	1.5	0.22	2013	92.7	Negligible
9	1.5	<0.01	2012	76.0	Negligible
10	1.5	0.39	2016	76.1	Negligible
11	1.5	0.38	2016	76.0	Negligible
12	1.5	0.38	2016	75.9	Negligible
13	1.5	0.34	2016	79.6	Negligible
14	1.5	0.34	2016	75.8	Negligible
15	1.5	0.27	2016	76.0	Negligible
16	1.5	0.26	2016	75.9	Negligible
17	1.5	0.24	2016	75.7	Negligible
18	1.5	0.16	2016	77.2	Negligible
19	1.5	0.16	2016	76.9	Negligible
20	1.5	0.09	2016	81.1	Negligible
21	1.5	0.09	2014	82.6	Negligible
22	1.5	0.09	2014	100.9	Negligible
23	3.0	0.10	2016	117.0	Negligible
24	4.5	0.11	2013	118.2	Negligible
25	1.5	0.10	2013	86.8	Negligible
26	1.5	0.11	2013	114.4	Negligible
27	1.5	0.13	2016	84.8	Negligible
28	3.0	0.15	2016	109.0	Negligible
29	1.5	0.17	2016	107.4	Negligible
30	1.5	0.19	2016	135.3	Negligible
31	3.0	0.15	2016	106.1	Negligible

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
32	3.0	0.14	2016	110.7	Negligible
33	1.5	0.19	2016	134.3	Negligible
34	1.5	0.25	2016	89.9	Negligible
35	3.0	0.14	2013	119.9	Negligible
36_1.5	1.5	0.33	2016	72.0	Negligible
36_4.5	4.5	0.34	2016	72.0	Negligible
36_10.5	10.5	0.36	2016	72.0	Negligible
37_1.5	1.5	0.42	2015	72.1	Negligible
37_5	5.0	0.42	2015	72.1	Negligible
37_11.5	11.5	0.42	2015	72.1	Negligible
38_1.5	1.5	0.41	2012	72.1	Negligible
38_7.5	7.5	0.41	2012	72.1	Negligible
38_16.5	16.5	0.46	2016	72.1	Negligible
39_1.5	1.5	0.36	2012	72.0	Negligible
39_7.5	7.5	0.38	2016	72.1	Negligible
39_16.5	16.5	0.49	2016	72.2	Negligible
40_1.5	1.5	0.32	2013	72.0	Negligible
40_7.5	7.5	0.36	2013	72.0	Negligible
40_16.5	16.5	0.55	2013	72.2	Negligible
41_1.5	1.5	<0.01	2012	71.7	Negligible
41_5	5.0	<0.01	2012	71.7	Negligible
41_12	12.0	<0.01	2012	71.7	Negligible
42_1.5	1.5	0.51	2012	72.2	Negligible
42_5	5.0	0.51	2012	72.2	Negligible
42_12	12.0	0.51	2012	72.2	Negligible
43_1.5	1.5	0.46	2013	72.1	Negligible
43_13	13.0	0.46	2013	72.1	Negligible
43_26	26.0	0.46	2013	72.1	Negligible
44_1.5	1.5	0.46	2012	72.1	Negligible
44_13	13.0	0.46	2012	72.1	Negligible
44_26	26.0	1.09	2016	72.8	Negligible
45_1.5	1.5	0.54	2012	72.2	Negligible
45_13	13.0	0.54	2012	72.2	Negligible
45_22	22.0	0.54	2012	72.2	Negligible

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
45_26	26.0	0.54	2012	72.2	Negligible
46_1.5	1.5	0.56	2012	72.2	Negligible
46_8	8.0	0.56	2012	72.2	Negligible
46_17.5	17.5	0.56	2012	72.2	Negligible
47_1.5	1.5	0.56	2012	72.2	Negligible
47_8	8.0	0.56	2012	72.2	Negligible
47_17.5	17.5	0.56	2012	72.2	Negligible
48_1.5	1.5	0.61	2012	72.3	Negligible
48_14	14.0	0.61	2012	72.3	Negligible
48_29.5	29.5	0.61	2012	72.3	Negligible
49_21	21.0	0.61	2012	72.3	Negligible
50_1.5	1.5	0.59	2012	72.3	Negligible
50_14	14.0	0.59	2012	72.3	Negligible
50_29.5	29.5	0.59	2012	72.3	Negligible
51_1.5	1.5	0.58	2012	72.3	Negligible
51_14	14.0	0.58	2012	72.3	Negligible
51_29.5	29.5	0.58	2012	72.3	Negligible
52_1.5	1.5	0.61	2012	72.3	Negligible
52_14	14.0	0.61	2012	72.3	Negligible
52_29.5	29.5	0.61	2012	72.3	Negligible
53_1.5	1.5	0.61	2012	72.3	Negligible
53_14	14.0	0.61	2012	72.3	Negligible
53_29.5	29.5	0.61	2012	72.3	Negligible
54_1.5	1.5	0.56	2012	72.2	Negligible
54_4	4.0	0.56	2012	72.2	Negligible
54_9.5	9.5	0.56	2012	72.2	Negligible
55_1.5	1.5	0.52	2012	72.2	Negligible
55_7	7.0	0.52	2012	72.2	Negligible
55_15	15.0	0.52	2012	72.2	Negligible
56_1.5	1.5	0.53	2012	72.2	Negligible
56_7	7.0	0.53	2012	72.2	Negligible
56_15	15.0	0.53	2012	72.2	Negligible
57_1.5	1.5	0.52	2012	72.2	Negligible
57_7	7.0	0.52	2012	72.2	Negligible

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
57_15	15.0	0.52	2012	72.2	Negligible
58_1.5	1.5	0.45	2013	72.1	Negligible
58_4	4.0	0.45	2013	72.1	Negligible
58_9.5	9.5	0.45	2013	72.1	Negligible
59_1.5	1.5	0.49	2012	72.2	Negligible
59_7	7.0	0.49	2012	72.2	Negligible
59_15	15.0	0.49	2012	72.2	Negligible

F2 Sensitivity Test of Process Conditions

F2.1 Long-term Results

Table F2.1: NO₂ annual mean concentrations (µg/m³)

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
1	1.5	0.03	2014	46.6	Negligible
2	1.5	0.03	2014	47.1	Negligible
3	1.5	0.01	2014	40.9	Negligible
4	1.5	0.02	2014	40.5	Negligible
5	1.5	0.04	2015	40.1	Negligible
6	1.5	0.04	2015	41.9	Negligible
7	1.5	0.04	2014	43.2	Negligible
8	1.5	0.03	2014	46.3	Negligible
9	1.5	<0.01	2014	38.0	Negligible
10	1.5	<0.01	2014	37.9	Negligible
11	1.5	0.02	2012	37.8	Negligible
12	1.5	0.02	2012	37.8	Negligible
13	1.5	0.04	2012	39.7	Negligible
14	1.5	0.05	2012	37.8	Negligible
15	1.5	0.04	2012	37.9	Negligible
16	1.5	0.04	2012	37.9	Negligible
17	1.5	0.04	2012	37.7	Negligible
18	1.5	0.04	2012	38.5	Negligible
19	1.5	0.03	2012	38.4	Negligible
20	1.5	0.03	2015	40.5	Negligible
21	1.5	0.03	2015	41.3	Negligible
22	1.5	0.03	2015	50.4	Negligible
23	3.0	0.03	2015	58.5	Negligible
24	4.5	0.03	2014	59.1	Negligible
25	1.5	0.02	2014	43.4	Negligible
26	1.5	0.02	2014	57.2	Negligible
27	1.5	0.02	2014	42.3	Negligible
28	3.0	0.02	2014	54.4	Negligible
29	1.5	0.02	2014	53.6	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
30	1.5	0.02	2014	67.5	Negligible
31	3.0	0.02	2014	53.0	Negligible
32	3.0	0.01	2014	55.3	Negligible
33	1.5	0.02	2014	67.1	Negligible
34	1.5	0.02	2014	44.8	Negligible
35	3.0	0.01	2013	59.9	Negligible
36_1.5	1.5	0.01	2014	35.9	Negligible
36_4.5	4.5	0.01	2014	35.9	Negligible
36_10.5	10.5	0.02	2014	35.9	Negligible
37_1.5	1.5	<0.01	2013	35.8	Negligible
37_5	5.0	<0.01	2014	35.8	Negligible
37_11.5	11.5	0.01	2014	35.9	Negligible
38_1.5	1.5	<0.01	2014	35.8	Negligible
38_7.5	7.5	<0.01	2014	35.8	Negligible
38_16.5	16.5	0.04	2014	35.9	Negligible
39_1.5	1.5	<0.01	2014	35.8	Negligible
39_7.5	7.5	0.01	2014	35.9	Negligible
39_16.5	16.5	0.05	2014	35.9	Negligible
40_1.5	1.5	<0.01	2014	35.8	Negligible
40_7.5	7.5	0.02	2014	35.9	Negligible
40_16.5	16.5	0.06	2014	35.9	Negligible
41_1.5	1.5	<0.01	2016	35.8	Negligible
41_5	5.0	<0.01	2014	35.8	Negligible
41_12	12.0	0.02	2014	35.9	Negligible
42_1.5	1.5	<0.01	2016	35.8	Negligible
42_5	5.0	<0.01	2016	35.8	Negligible
42_12	12.0	<0.01	2016	35.8	Negligible
43_1.5	1.5	<0.01	2013	35.8	Negligible
43_13	13.0	0.01	2013	35.9	Negligible
43_26	26.0	0.13	2014	36.0	Negligible
44_1.5	1.5	<0.01	2012	35.8	Negligible
44_13	13.0	<0.01	2014	35.8	Negligible
44_26	26.0	0.18	2014	36.0	Negligible
45_1.5	1.5	<0.01	2015	35.8	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
45_13	13.0	<0.01	2015	35.8	Negligible
45_22	22.0	<0.01	2013	35.8	Negligible
45_26	26.0	0.06	2013	35.9	Negligible
46_1.5	1.5	<0.01	2012	35.8	Negligible
46_8	8.0	<0.01	2012	35.8	Negligible
46_17.5	17.5	<0.01	2013	35.8	Negligible
47_1.5	1.5	<0.01	2012	35.8	Negligible
47_8	8.0	<0.01	2012	35.8	Negligible
47_17.5	17.5	<0.01	2013	35.8	Negligible
48_1.5	1.5	<0.01	2015	35.8	Negligible
48_14	14.0	<0.01	2015	35.8	Negligible
48_29.5	29.5	0.34	2014	36.2	Negligible
49_21	21.0	<0.01	2012	35.8	Negligible
50_1.5	1.5	<0.01	2014	35.8	Negligible
50_14	14.0	0.01	2014	35.9	Negligible
50_29.5	29.5	0.28	2013	36.1	Negligible
51_1.5	1.5	<0.01	2016	35.8	Negligible
51_14	14.0	<0.01	2016	35.8	Negligible
51_29.5	29.5	1.42	2015	37.3	Slight adverse
52_1.5	1.5	<0.01	2013	35.8	Negligible
52_14	14.0	<0.01	2012	35.8	Negligible
52_29.5	29.5	0.57	2016	36.4	Negligible
53_1.5	1.5	<0.01	2014	35.8	Negligible
53_14	14.0	0.01	2014	35.9	Negligible
53_29.5	29.5	0.31	2013	36.1	Negligible
54_1.5	1.5	<0.01	2014	35.8	Negligible
54_4	4.0	<0.01	2014	35.8	Negligible
54_9.5	9.5	<0.01	2014	35.8	Negligible
55_1.5	1.5	<0.01	2014	35.8	Negligible
55_7	7.0	<0.01	2016	35.8	Negligible
55_15	15.0	<0.01	2016	35.8	Negligible
56_1.5	1.5	<0.01	2014	35.8	Negligible
56_7	7.0	<0.01	2014	35.8	Negligible
56_15	15.0	<0.01	2012	35.8	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
57_1.5	1.5	<0.01	2012	35.8	Negligible
57_7	7.0	<0.01	2012	35.8	Negligible
57_15	15.0	0.01	2012	35.9	Negligible
58_1.5	1.5	<0.01	2012	35.8	Negligible
58_4	4.0	<0.01	2012	35.8	Negligible
58_9.5	9.5	<0.01	2012	35.8	Negligible
59_1.5	1.5	<0.01	2014	35.8	Negligible
59_7	7.0	<0.01	2014	35.8	Negligible
59_15	15.0	0.03	2015	35.9	Negligible

F2.2 Short-term Results

Table F2.2: NO₂ 99.79th percentile – hourly concentrations (µg/m³)

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
1	1.5	0.25	2013	93.3	Negligible
2	1.5	0.25	2013	94.4	Negligible
3	1.5	0.24	2013	82.0	Negligible
4	1.5	0.26	2012	81.3	Negligible
5	1.5	0.27	2012	80.5	Negligible
6	1.5	0.25	2016	83.9	Negligible
7	1.5	0.23	2012	86.5	Negligible
8	1.5	0.22	2014	92.7	Negligible
9	1.5	0.09	2014	76.0	Negligible
10	1.5	0.26	2014	76.0	Negligible
11	1.5	0.36	2014	76.0	Negligible
12	1.5	0.35	2014	75.8	Negligible
13	1.5	0.32	2014	79.6	Negligible
14	1.5	0.25	2012	75.8	Negligible
15	1.5	0.20	2012	75.9	Negligible
16	1.5	0.19	2012	75.8	Negligible
17	1.5	0.18	2012	75.6	Negligible
18	1.5	0.17	2012	77.2	Negligible
19	1.5	0.16	2012	76.9	Negligible
20	1.5	0.14	2015	81.2	Negligible
21	1.5	0.14	2015	82.6	Negligible
22	1.5	0.13	2015	100.9	Negligible
23	3.0	0.15	2016	117.1	Negligible
24	4.5	0.15	2012	118.3	Negligible
25	1.5	0.14	2016	86.8	Negligible
26	1.5	0.16	2016	114.5	Negligible
27	1.5	0.15	2016	84.8	Negligible
28	3.0	0.17	2016	109.0	Negligible
29	1.5	0.17	2015	107.4	Negligible
30	1.5	0.18	2015	135.2	Negligible
31	3.0	0.17	2016	106.1	Negligible

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
32	3.0	0.16	2015	110.7	Negligible
33	1.5	0.18	2016	134.3	Negligible
34	1.5	0.21	2012	89.8	Negligible
35	3.0	0.16	2013	119.9	Negligible
36_1.5	1.5	0.24	2012	71.9	Negligible
36_4.5	4.5	0.25	2012	71.9	Negligible
36_10.5	10.5	0.31	2012	72.0	Negligible
37_1.5	1.5	0.15	2012	71.8	Negligible
37_5	5.0	0.18	2012	71.9	Negligible
37_11.5	11.5	0.29	2012	72.0	Negligible
38_1.5	1.5	0.12	2012	71.8	Negligible
38_7.5	7.5	0.18	2012	71.9	Negligible
38_16.5	16.5	0.42	2013	72.1	Negligible
39_1.5	1.5	0.15	2013	71.8	Negligible
39_7.5	7.5	0.21	2013	71.9	Negligible
39_16.5	16.5	0.44	2013	72.1	Negligible
40_1.5	1.5	0.18	2012	71.9	Negligible
40_7.5	7.5	0.23	2014	71.9	Negligible
40_16.5	16.5	0.46	2013	72.1	Negligible
41_1.5	1.5	0.07	2012	71.8	Negligible
41_5	5.0	0.10	2012	71.8	Negligible
41_12	12.0	0.28	2012	72.0	Negligible
42_1.5	1.5	<0.01	2012	71.7	Negligible
42_5	5.0	<0.01	2012	71.7	Negligible
42_12	12.0	0.07	2012	71.7	Negligible
43_1.5	1.5	0.14	2013	71.8	Negligible
43_13	13.0	0.46	2013	72.1	Negligible
43_26	26.0	1.45	2013	73.1	Negligible
44_1.5	1.5	0.03	2012	71.7	Negligible
44_13	13.0	0.21	2012	71.9	Negligible
44_26	26.0	1.37	2014	73.1	Negligible
45_1.5	1.5	<0.01	2013	71.7	Negligible
45_13	13.0	<0.01	2013	71.7	Negligible
45_22	22.0	0.54	2013	72.2	Negligible

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
45_26	26.0	2.08	2013	73.8	Negligible
46_1.5	1.5	<0.01	2013	71.7	Negligible
46_8	8.0	0.01	2013	71.7	Negligible
46_17.5	17.5	0.38	2013	72.1	Negligible
47_1.5	1.5	<0.01	2012	71.7	Negligible
47_8	8.0	0.01	2012	71.7	Negligible
47_17.5	17.5	0.35	2012	72.0	Negligible
48_1.5	1.5	<0.01	2013	71.7	Negligible
48_14	14.0	<0.01	2013	71.7	Negligible
48_29.5	29.5	5.66	2013	77.3	Negligible
49_21	21.0	0.01	2012	71.7	Negligible
50_1.5	1.5	0.09	2014	71.8	Negligible
50_14	14.0	0.48	2014	72.2	Negligible
50_29.5	29.5	2.51	2015	74.2	Negligible
51_1.5	1.5	<0.01	2012	71.7	Negligible
51_14	14.0	<0.01	2012	71.7	Negligible
51_29.5	29.5	4.91	2012	76.6	Negligible
52_1.5	1.5	<0.01	2012	71.7	Negligible
52_14	14.0	0.02	2012	71.7	Negligible
52_29.5	29.5	4.88	2014	76.6	Negligible
53_1.5	1.5	0.13	2014	71.8	Negligible
53_14	14.0	0.51	2012	72.2	Negligible
53_29.5	29.5	2.54	2013	74.2	Negligible
54_1.5	1.5	<0.01	2014	71.7	Negligible
54_4	4.0	<0.01	2014	71.7	Negligible
54_9.5	9.5	<0.01	2014	71.7	Negligible
55_1.5	1.5	<0.01	2014	71.7	Negligible
55_7	7.0	<0.01	2014	71.7	Negligible
55_15	15.0	0.13	2014	71.8	Negligible
56_1.5	1.5	<0.01	2014	71.7	Negligible
56_7	7.0	<0.01	2014	71.7	Negligible
56_15	15.0	0.18	2014	71.9	Negligible
57_1.5	1.5	0.06	2012	71.7	Negligible
57_7	7.0	0.14	2012	71.8	Negligible

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
57_15	15.0	0.51	2012	72.2	Negligible
58_1.5	1.5	0.19	2012	71.9	Negligible
58_4	4.0	0.22	2012	71.9	Negligible
58_9.5	9.5	0.35	2012	72.0	Negligible
59_1.5	1.5	0.07	2014	71.8	Negligible
59_7	7.0	0.14	2014	71.8	Negligible
59_15	15.0	0.44	2014	72.1	Negligible

F3 Sensitivity Test of Building Effects

F3.1 Long-term Results

Table F3.1: NO₂ annual mean concentrations (µg/m³)

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
1	1.5	0.01	2014	46.6	Negligible
2	1.5	<0.01	2014	47.1	Negligible
3	1.5	<0.01	2014	40.9	Negligible
4	1.5	<0.01	2014	40.5	Negligible
5	1.5	0.01	2015	40.1	Negligible
6	1.5	0.01	2014	41.9	Negligible
7	1.5	0.01	2014	43.2	Negligible
8	1.5	0.01	2014	46.3	Negligible
9	1.5	<0.01	2014	38.0	Negligible
10	1.5	<0.01	2012	37.9	Negligible
11	1.5	<0.01	2012	37.8	Negligible
12	1.5	<0.01	2012	37.7	Negligible
13	1.5	0.02	2012	39.7	Negligible
14	1.5	0.02	2012	37.8	Negligible
15	1.5	0.02	2012	37.9	Negligible
16	1.5	0.02	2012	37.8	Negligible
17	1.5	0.01	2012	37.7	Negligible
18	1.5	0.01	2012	38.5	Negligible
19	1.5	0.01	2012	38.4	Negligible
20	1.5	<0.01	2012	40.5	Negligible
21	1.5	<0.01	2015	41.3	Negligible
22	1.5	<0.01	2015	50.4	Negligible
23	3.0	<0.01	2015	58.5	Negligible
24	4.5	<0.01	2014	59.1	Negligible
25	1.5	<0.01	2014	43.3	Negligible
26	1.5	<0.01	2014	57.2	Negligible
27	1.5	<0.01	2014	42.3	Negligible
28	3.0	<0.01	2014	54.4	Negligible
29	1.5	<0.01	2014	53.6	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
30	1.5	<0.01	2014	67.5	Negligible
31	3.0	<0.01	2016	53.0	Negligible
32	3.0	<0.01	2016	55.3	Negligible
33	1.5	<0.01	2016	67.0	Negligible
34	1.5	<0.01	2013	44.8	Negligible
35	3.0	<0.01	2013	59.9	Negligible
36_1.5	1.5	<0.01	2014	35.8	Negligible
36_4.5	4.5	-	-	-	-
36_10.5	10.5	-	-	-	-
37_1.5	1.5	<0.01	2013	35.8	Negligible
37_5	5.0	-	-	-	-
37_11.5	11.5	-	-	-	-
38_1.5	1.5	<0.01	2016	35.8	Negligible
38_7.5	7.5	-	-	-	-
38_16.5	16.5	-	-	-	-
39_1.5	1.5	<0.01	2014	35.8	Negligible
39_7.5	7.5	-	-	-	-
39_16.5	16.5	-	-	-	-
40_1.5	1.5	<0.01	2014	35.8	Negligible
40_7.5	7.5	-	-	-	-
40_16.5	16.5	-	-	-	-
41_1.5	1.5	<0.01	2016	35.8	Negligible
41_5	5.0	-	-	-	-
41_12	12.0	-	-	-	-
42_1.5	1.5	<0.01	2016	35.8	Negligible
42_5	5.0	-	-	-	-
42_12	12.0	-	-	-	-
43_1.5	1.5	<0.01	2013	35.8	Negligible
43_13	13.0	-	-	-	-
43_26	26.0	-	-	-	-
44_1.5	1.5	<0.01	2012	35.8	Negligible
44_13	13.0	-	-	-	-
44_26	26.0	-	-	-	-
45_1.5	1.5	<0.01	2015	35.8	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
45_13	13.0	-	-	-	-
45_22	22.0	-	-	-	-
45_26	26.0	-	-	-	-
46_1.5	1.5	<0.01	2012	35.8	Negligible
46_8	8.0	-	-	-	-
46_17.5	17.5	-	-	-	-
47_1.5	1.5	<0.01	2012	35.8	Negligible
47_8	8.0	-	-	-	-
47_17.5	17.5	-	-	-	-
48_1.5	1.5	<0.01	2015	35.8	Negligible
48_14	14.0	-	-	-	-
48_29.5	29.5	-	-	-	-
49_21	21.0	-	-	-	-
50_1.5	1.5	<0.01	2014	35.8	Negligible
50_14	14.0	-	-	-	-
50_29.5	29.5	-	-	-	-
51_1.5	1.5	<0.01	2016	35.8	Negligible
51_14	14.0	-	-	-	-
51_29.5	29.5	-	-	-	-
52_1.5	1.5	<0.01	2013	35.8	Negligible
52_14	14.0	-	-	-	-
52_29.5	29.5	-	-	-	-
53_1.5	1.5	<0.01	2014	35.8	Negligible
53_14	14.0	-	-	-	-
53_29.5	29.5	-	-	-	-
54_1.5	1.5	<0.01	2014	35.8	Negligible
54_4	4.0	-	-	-	-
54_9.5	9.5	-	-	-	-
55_1.5	1.5	<0.01	2016	35.8	Negligible
55_7	7.0	-	-	-	-
55_15	15.0	-	-	-	-
56_1.5	1.5	<0.01	2014	35.8	Negligible
56_7	7.0	-	-	-	-
56_15	15.0	-	-	-	-

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
57_1.5	1.5	<0.01	2012	35.8	Negligible
57_7	7.0	-	-	-	-
57_15	15.0	-	-	-	-
58_1.5	1.5	<0.01	2012	35.8	Negligible
58_4	4.0	-	-	-	-
58_9.5	9.5	-	-	-	-
59_1.5	1.5	<0.01	2014	35.8	Negligible
59_7	7.0	-	-	-	-
59_15	15.0	-	-	-	-

Note: receptors at height on-site have been removed as these receptors would not exist without buildings

F3.2 Short-term Results

Table F3.2: NO₂ 99.79th percentile – hourly concentrations (µg/m³)

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
1	1.5	0.13	2013	93.2	Negligible
2	1.5	0.13	2016	94.3	Negligible
3	1.5	0.10	2016	81.8	Negligible
4	1.5	0.13	2012	81.2	Negligible
5	1.5	0.14	2012	80.3	Negligible
6	1.5	0.13	2013	83.8	Negligible
7	1.5	0.13	2013	86.4	Negligible
8	1.5	0.14	2013	92.6	Negligible
9	1.5	0.03	2012	76.0	Negligible
10	1.5	0.07	2012	75.8	Negligible
11	1.5	0.16	2012	75.8	Negligible
12	1.5	0.16	2014	75.6	Negligible
13	1.5	0.18	2012	79.5	Negligible
14	1.5	0.14	2012	75.6	Negligible
15	1.5	0.13	2012	75.8	Negligible
16	1.5	0.13	2012	75.7	Negligible
17	1.5	0.12	2012	75.5	Negligible
18	1.5	0.10	2013	77.1	Negligible
19	1.5	0.10	2013	76.9	Negligible
20	1.5	0.09	2016	81.1	Negligible
21	1.5	0.09	2014	82.6	Negligible
22	1.5	0.09	2014	100.9	Negligible
23	3.0	0.09	2012	117.0	Negligible
24	4.5	0.10	2013	118.2	Negligible
25	1.5	0.09	2013	86.8	Negligible
26	1.5	0.11	2013	114.4	Negligible
27	1.5	0.10	2016	84.8	Negligible
28	3.0	0.11	2016	108.9	Negligible
29	1.5	0.11	2016	107.3	Negligible
30	1.5	0.12	2016	135.2	Negligible
31	3.0	0.11	2016	106.1	Negligible

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
32	3.0	0.11	2016	110.7	Negligible
33	1.5	0.12	2016	134.2	Negligible
34	1.5	0.14	2016	89.7	Negligible
35	3.0	0.09	2016	119.9	Negligible
36_1.5	1.5	0.12	2015	71.8	Negligible
36_4.5	4.5	-	-	-	-
36_10.5	10.5	-	-	-	-
37_1.5	1.5	0.07	2012	71.7	Negligible
37_5	5.0	-	-	-	-
37_11.5	11.5	-	-	-	-
38_1.5	1.5	0.05	2015	71.7	Negligible
38_7.5	7.5	-	-	-	-
38_16.5	16.5	-	-	-	-
39_1.5	1.5	0.07	2013	71.8	Negligible
39_7.5	7.5	-	-	-	-
39_16.5	16.5	-	-	-	-
40_1.5	1.5	0.07	2013	71.8	Negligible
40_7.5	7.5	-	-	-	-
40_16.5	16.5	-	-	-	-
41_1.5	1.5	0.02	2012	71.7	Negligible
41_5	5.0	-	-	-	-
41_12	12.0	-	-	-	-
42_1.5	1.5	<0.01	2012	71.7	Negligible
42_5	5.0	-	-	-	-
42_12	12.0	-	-	-	-
43_1.5	1.5	0.08	2013	71.8	Negligible
43_13	13.0	-	-	-	-
43_26	26.0	-	-	-	-
44_1.5	1.5	<0.01	2015	71.7	Negligible
44_13	13.0	-	-	-	-
44_26	26.0	-	-	-	-
45_1.5	1.5	<0.01	2013	71.7	Negligible
45_13	13.0	-	-	-	-
45_22	22.0	-	-	-	-

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
45_26	26.0	-	-	-	-
46_1.5	1.5	<0.01	2013	71.7	Negligible
46_8	8.0	-	-	-	-
46_17.5	17.5	-	-	-	-
47_1.5	1.5	<0.01	2012	71.7	Negligible
47_8	8.0	-	-	-	-
47_17.5	17.5	-	-	-	-
48_1.5	1.5	<0.01	2013	71.7	Negligible
48_14	14.0	-	-	-	-
48_29.5	29.5	-	-	-	-
49_21	21.0	-	-	-	-
50_1.5	1.5	0.05	2014	71.7	Negligible
50_14	14.0	-	-	-	-
50_29.5	29.5	-	-	-	-
51_1.5	1.5	<0.01	2012	71.7	Negligible
51_14	14.0	-	-	-	-
51_29.5	29.5	-	-	-	-
52_1.5	1.5	<0.01	2012	71.7	Negligible
52_14	14.0	-	-	-	-
52_29.5	29.5	-	-	-	-
53_1.5	1.5	0.06	2014	71.7	Negligible
53_14	14.0	-	-	-	-
53_29.5	29.5	-	-	-	-
54_1.5	1.5	<0.01	2014	71.7	Negligible
54_4	4.0	-	-	-	-
54_9.5	9.5	-	-	-	-
55_1.5	1.5	<0.01	2014	71.7	Negligible
55_7	7.0	-	-	-	-
55_15	15.0	-	-	-	-
56_1.5	1.5	<0.01	2012	71.7	Negligible
56_7	7.0	-	-	-	-
56_15	15.0	-	-	-	-
57_1.5	1.5	0.03	2012	71.7	Negligible
57_7	7.0	-	-	-	-

ID	Height (m)	NO ₂ 99.79 th percentile – hourly concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
57_15	15.0	-	-	-	-
58_1.5	1.5	0.09	2012	71.8	Negligible
58_4	4.0	-	-	-	-
58_9.5	9.5	-	-	-	-
59_1.5	1.5	0.01	2012	71.7	Negligible
59_7	7.0	-	-	-	-
59_15	15.0	-	-	-	-

Note: receptors at height on-site have been removed as these receptors would not exist without buildings

Appendix G

In-combination Effects (Traffic and On-site Combustion)

G1 In-combination Effects (Traffic and On-site Combustion)

G1.1 Long-term Results

Table G1.1: NO₂ annual mean concentrations (µg/m³)

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
1	1.5	0.06	2014	46.6	Negligible
2	4.5	0.09	2014	47.2	Negligible
3	10.5	0.11	2014	41.0	Negligible
4	1.5	0.12	2014	40.6	Negligible
5	5.0	0.11	2014	40.2	Negligible
6	11.5	0.16	2014	42.0	Negligible
7	1.5	0.15	2014	43.3	Negligible
8	7.5	0.23	2014	46.5	Moderate adverse
9	16.5	0.52	2012	38.5	Slight adverse
10	1.5	0.55	2015	38.4	Slight adverse
11	7.5	0.54	2012	38.4	Slight adverse
12	16.5	0.19	2012	37.9	Negligible
13	1.5	0.22	2012	39.9	Slight adverse
14	7.5	0.08	2012	37.8	Negligible
15	16.5	0.09	2012	37.9	Negligible
16	1.5	0.02	2012	37.8	Negligible
17	5.0	0.02	2012	37.7	Negligible
18	12.0	0.01	2012	38.5	Negligible
19	1.5	0.01	2012	38.4	Negligible
20	5.0	<0.01	2012	40.5	Negligible
21	12.0	<0.01	2015	41.3	Negligible
22	1.5	<0.01	2015	50.4	Negligible
23	14.5	<0.01	2015	58.5	Negligible
24	30.5	<0.01	2014	59.1	Negligible
25	1.5	<0.01	2014	43.3	Negligible
26	14.5	<0.01	2014	57.2	Negligible
27	30.5	<0.01	2014	42.3	Negligible

ID	Height (m)	NO ₂ annual mean concentrations (µg/m ³)			
		Process Contribution (PC)	Met Year (with maximum PC)	Total Pollutant Concentration (PEC)	Impact Descriptor
28	1.5	<0.01	2014	54.4	Negligible
29	13.0	<0.01	2016	53.6	Negligible
30	22.0	<0.01	2016	67.5	Negligible
31	26.0	<0.01	2016	53.0	Negligible
32	1.5	<0.01	2016	55.3	Negligible
33	8.0	<0.01	2016	67.0	Negligible
34	17.5	<0.01	2016	44.8	Negligible
35	1.5	<0.01	2013	59.9	Negligible