

Appendix 9.1 – Union - Glossary

Term	Definition
AADT (Annual Average Daily Traffic)	A daily total traffic flow (24 hrs), expressed as a mean daily flow across all 365 days of the year.
Adjustment	Application of a correction factor to modelled results to account for uncertainties in the model
Air Quality Objective	Policy target generally expressed as a maximum ambient concentration to be achieved, either without exception or with a permitted number of exceedances within a specific timescale (see also air quality standard).
Air Quality Standard	The concentrations of pollutants in the atmosphere which can broadly be taken to achieve a certain level of environmental quality. The standards are based on the assessment of the effects of each pollutant on human health including the effects on sensitive sub groups (see also air quality objective).
Ambient air	Outdoor air in the troposphere, excluding workplace air.
Annual mean	The average (mean) of the concentrations measured for each pollutant for one year.
AQMA	Air Quality Management Area.
Conservative	Tending to over-predict the impact rather than under-predict.
Data capture	The percentage of all the possible measurements for a given period that were validly measured.
Defra	Department for Environment, Food and Rural Affairs.
DfT	Department for Transport.
Dust	Dust comprises particles typically in the size range 1-75 micrometres (µm) in aerodynamic diameter and is created through the action of crushing and abrasive forces on materials
Exceedance	A period of time where the concentrations of a pollutant is greater than the appropriate air quality standard.
HDV/HGV	Heavy Duty Vehicle/Heavy Goods Vehicle.
LAQM	Local Air Quality Management.
Model adjustment	Following model verification, the process by which modelled results are amended. This corrects for systematic error.
NO₂	Nitrogen dioxide.
NO_x	Nitrogen oxides.
PM₁₀	Particulate matter with an aerodynamic diameter of less than 10 micrometres.
PM_{2.5}	Particulate matter with an aerodynamic diameter of less than 2.5 micrometres.
Trackout	The transport of dust and dirt from the construction / demolition site onto the public road network, where it may be deposited and then re-suspended by vehicles using the network. This arises when heavy duty vehicles (HDVs) leave the construction / demolition site with dusty materials, which may then spill onto the road, and/or when HDVs transfer dust and dirt onto the road having travelled over muddy ground on site.
µg/m³ (micrograms per cubic metre)	A measure of concentration in terms of mass per unit volume. A concentration of 1µg/m ³ means that one cubic metre of air contains one microgram (millionth of a gram) of pollutant.

Appendix 9.2 – Union - Traffic Data Used in Assessment

ID	Road	Average Speed (km/h)	2020 (No change current and future)	
			LDV AADT	HDV %
1	Deansgate c	12.4	8893	6.4
2	New Quay St e	9.5	15134	5.6
3	Quay St w	6.4	14286	6.1
4	Lower Byrom St s	6.7	2000	5.9
5	Quay St e	5.0	9208	7.3
6	Quay St e	5.0	9208	7.3
7	Bridge St w	8.8	3316	29.0
8	Quay St wc	6.8	12644	6.2
9	Chester Road n	14.6	10797	5.7
10	Chester Road n	11.3	23300	5.2
11	Deansgate s	14.4	12323	6.9
12	Deansgate s	8.7	12354	6.9
13	Deansgate c	15.1	10227	7.0
14	Deansgate c	7.3	10237	6.9
15	A57_Dawson Sr	37.6	22863	6.5
16	A6042	7.9	13978	5.9
17	A57_Dawson Slip Off	11.4	5725	7.8
18	A57_Dawson Slip Off	6.9	5730	7.8
19	A57_Dawson St	50.6	22819	6.5
20	A57_Dawson Slip On	3.7	5313	5.1
21	A57_Dawson St	4.5	12558	6.6
22	Deansgate n	7.9	7196	6.7
23	A57_Dawson Slip Ont	3.7	5313	5.1
24	A57_Dawson St	1.8	3753	8.4
25	Deansgate n	7.4	5728	8.3
26	Deansgate n	8.7	5699	8.4
27	Deansgate n	7.2	6055	7.5
28	Deansgate s	14.4	12323	6.9
29	Chester Road n	22.5	13394	6.1
30	Chester Road n	13.3	23366	5.2
31	Lower Byrom St n	6.7	2000	5.9
32	Lower Byrom St c	6.7	2000	5.9

ID	Road	Average Speed (km/h)	2020 (No change current and future)	
			LDV AADT	HDV %
33	Gartside St	2.9	2023	6.5
34	Gartside St	2.9	2023	6.5
35	Manc/Chstr Rndabt	5.7	11254	7.5
36	Water St cs	3.4	2004	4.6
37	Gartside St	2.1	1837	6.2
38	Trinity Way n	23.4	9856	6.7
39	Trinity Way n	15.1	9317	6.6
40	Trinity Way n	27.4	9360	6.7
41	Trinity Way n	6.0	9295	6.6
42	Trinity Way n	40.2	8049	4.6
43	Trinity Way n	34.2	9475	6.5
44	Trinity Way n	25.8	8001	6.8
45	Trinity Way n	25.8	8001	6.8
46	Trinity Way c	25.7	16173	6.7
47	Trinity Way c	14.0	16248	6.7
48	Trinity Way s	5.8	5099	7.7
49	Trinity Way s	10.2	5536	8.5
50	Trinity Way s	4.7	8539	8.0
51	Trinity Way s	24.5	5529	8.5
52	Water St n1	6.2	3860	4.2
53	Water St n2	2.6	2511	4.5
54	Water St cn	2.1	2171	4.4
55	Water St s2	11.3	6245	6.9
56	Water St s2	15.8	3713	6.6
57	Water St s1	11.0	6193	6.8
58	Water St s1	11.3	6245	6.9
59	Liverpool Road w	6.5	4746	6.0
6	Liverpool Road ec	4.4	5435	6.5
60	Liverpool Road w	6.5	4751	6.0
62	Liverpool Road wc	5.0	4095	5.7
63	Liverpool Road ec	3.8	5392	6.5
64	Liverpool Road wc	5.0	4095	5.7
65	Liverpool Road e	3.4	5349	6.5

ID	Road	Average Speed (km/h)	2020 (No change current and future)	
			LDV AADT	HDV %
66	New Quay St w	11.8	14828	6.4
67	New Quay St w	16.1	17228	5.4
68	New Quay St w	13.6	14851	6.4
69	New Quay St w	7.9	13978	5.9
70	New Quay St w	45.2	16264	5.6
71	New Quay St w	7.6	13450	6.6
72	New Quay St w	28.6	16279	5.6
73	New Quay St w	4.3	13424	6.6
74	New Quay St wc	10.8	8301	6.3
75	New Quay St wc	40.2	8049	4.6
76	New Quay St c	11.0	18689	5.4
77	New Quay St c	12.1	18698	5.4
78	Chapel St c	21.8	7547	18.2
79	New Quay St ec	10.6	15176	5.6
80	Water St cs	3.4	2004	4.6
81	Chapel St c	25.7	7466	18.1
82	Quay St ec	5.6	11824	6.7
83	Bridge St c	12.1	5572	20.0
84	Bridge St e	13.6	5419	20.4
85	Bridge St e	18.1	4794	22.4
86	A6042	7.9	13978	5.9
87	New Bailey St	15.0	3769	26.3
88	Chapel St c	21.8	7547	18.2
89	Chapel St c	21.8	7547	18.2
90	New Bailey St	23.7	3799	26.3

Appendix 9.3 – Union - Modelled Receptors & 2020 Defra Background Concentrations ($\mu\text{g}/\text{m}^3$)

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
E1_GF	382716	397893	22.0	12.2	8.0
E2_GF	382916	397850	22.0	12.2	8.0
E2_1	382916	397850	22.0	12.2	8.0
E3_GF	382960	397940	22.0	12.2	8.0
E4_GF	382970	397348	22.0	12.2	8.0
E4_4	382970	397348	22.0	12.2	8.0
E5_1	383045	398558	27.1	12.3	8.1
E5_4	383045	398558	27.1	12.3	8.1
E6_GF	383072	398731	27.1	12.3	8.1
E7_1	383154	398196	27.1	12.3	8.1
E7_4	383154	398196	27.1	12.3	8.1
E8_GF	383206	398113	27.1	12.3	8.1
E9_GF	383214	397424	24.6	12.4	8.2
E10_1	383216	398068	27.1	12.3	8.1
E10_2	383216	398068	27.1	12.3	8.1
E11_1	383234	398475	27.1	12.3	8.1
E12_GF	383241	397884	24.6	12.4	8.2
E13_GF	383311	397456	24.6	12.4	8.2
E14_1	383402	397693	24.6	12.4	8.2
E15_1	383431	397662	24.6	12.4	8.2
E16_1	383593	398282	27.1	12.3	8.1
N1_GF	382971	398052	21.0	11.6	7.7
N1_1	382971	398052	21.0	11.6	7.7
N1_2	382971	398052	21.0	11.6	7.7
N1_3	382971	398052	21.0	11.6	7.7
N1_4	382971	398052	21.0	11.6	7.7
N1_5	382971	398052	21.0	11.6	7.7
N1_6	382971	398052	21.0	11.6	7.7
N1_7	382971	398052	21.0	11.6	7.7
N1_8	382971	398052	21.0	11.6	7.7
N1_9	382971	398052	21.0	11.6	7.7
N1_10	382971	398052	21.0	11.6	7.7

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
N1_11	382971	398052	21.0	11.6	7.7
N1_12	382971	398052	21.0	11.6	7.7
N1_13	382971	398052	21.0	11.6	7.7
N1_14	382971	398052	21.0	11.6	7.7
N1_15	382971	398052	21.0	11.6	7.7
N1_16	382971	398052	21.0	11.6	7.7
N1_17	382971	398052	21.0	11.6	7.7
N1_18	382971	398052	21.0	11.6	7.7
N1_19	382971	398052	21.0	11.6	7.7
N1_20	382971	398052	21.0	11.6	7.7
N1_21	382971	398052	21.0	11.6	7.7
N1_22	382971	398052	21.0	11.6	7.7
N1_23	382971	398052	21.0	11.6	7.7
N1_24	382971	398052	21.0	11.6	7.7
N1_25	382971	398052	21.0	11.6	7.7
N1_26	382971	398052	21.0	11.6	7.7
N1_27	382971	398052	21.0	11.6	7.7
N1_28	382971	398052	21.0	11.6	7.7
N1_29	382971	398052	21.0	11.6	7.7
N1_30	382971	398052	21.0	11.6	7.7
N1_31	382971	398052	21.0	11.6	7.7
N1_32	382971	398052	21.0	11.6	7.7
N1_33	382971	398052	21.0	11.6	7.7
N1_34	382971	398052	21.0	11.6	7.7
N1_35	382971	398052	21.0	11.6	7.7
N2_GF	382996	398047	21.0	11.6	7.7
N2_1	382996	398047	21.0	11.6	7.7
N2_2	382996	398047	21.0	11.6	7.7
N2_3	382996	398047	21.0	11.6	7.7
N2_4	382996	398047	21.0	11.6	7.7
N2_5	382996	398047	21.0	11.6	7.7
N2_6	382996	398047	21.0	11.6	7.7
N2_7	382996	398047	21.0	11.6	7.7
N2_8	382996	398047	21.0	11.6	7.7

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
N2_9	382996	398047	21.0	11.6	7.7
N2_10	382996	398047	21.0	11.6	7.7
N2_11	382996	398047	21.0	11.6	7.7
N2_12	382996	398047	21.0	11.6	7.7
N2_13	382996	398047	21.0	11.6	7.7
N2_14	382996	398047	21.0	11.6	7.7
N2_15	382996	398047	21.0	11.6	7.7
N2_16	382996	398047	21.0	11.6	7.7
N2_17	382996	398047	21.0	11.6	7.7
N2_18	382996	398047	21.0	11.6	7.7
N2_19	382996	398047	21.0	11.6	7.7
N2_20	382996	398047	21.0	11.6	7.7
N2_21	382996	398047	21.0	11.6	7.7
N2_22	382996	398047	21.0	11.6	7.7
N2_23	382996	398047	21.0	11.6	7.7
N2_24	382996	398047	21.0	11.6	7.7
N2_25	382996	398047	21.0	11.6	7.7
N2_26	382996	398047	21.0	11.6	7.7
N2_27	382996	398047	21.0	11.6	7.7
N2_28	382996	398047	21.0	11.6	7.7
N2_29	382996	398047	21.0	11.6	7.7
N2_30	382996	398047	21.0	11.6	7.7
N2_31	382996	398047	21.0	11.6	7.7
N2_32	382996	398047	21.0	11.6	7.7
N2_33	382996	398047	21.0	11.6	7.7
N2_34	382996	398047	21.0	11.6	7.7
N2_35	382996	398047	21.0	11.6	7.7
N3_GF	383018	398041	27.1	12.3	8.1
N3_1	383018	398041	27.1	12.3	8.1
N3_2	383018	398041	27.1	12.3	8.1
N3_3	383018	398041	27.1	12.3	8.1
N3_4	383018	398041	27.1	12.3	8.1
N3_5	383018	398041	27.1	12.3	8.1
N3_6	383018	398041	27.1	12.3	8.1

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
N3_7	383018	398041	27.1	12.3	8.1
N3_8	383018	398041	27.1	12.3	8.1
N3_9	383018	398041	27.1	12.3	8.1
N3_10	383018	398041	27.1	12.3	8.1
N3_11	383018	398041	27.1	12.3	8.1
N3_12	383018	398041	27.1	12.3	8.1
N3_13	383018	398041	27.1	12.3	8.1
N3_14	383018	398041	27.1	12.3	8.1
N3_15	383018	398041	27.1	12.3	8.1
N3_16	383018	398041	27.1	12.3	8.1
N3_17	383018	398041	27.1	12.3	8.1
N3_18	383018	398041	27.1	12.3	8.1
N3_19	383018	398041	27.1	12.3	8.1
N3_20	383018	398041	27.1	12.3	8.1
N3_21	383018	398041	27.1	12.3	8.1
N3_22	383018	398041	27.1	12.3	8.1
N3_23	383018	398041	27.1	12.3	8.1
N3_24	383018	398041	27.1	12.3	8.1
N3_25	383018	398041	27.1	12.3	8.1
N3_26	383018	398041	27.1	12.3	8.1
N3_27	383018	398041	27.1	12.3	8.1
N3_28	383018	398041	27.1	12.3	8.1
N3_29	383018	398041	27.1	12.3	8.1
N3_30	383018	398041	27.1	12.3	8.1
N3_31	383018	398041	27.1	12.3	8.1
N3_32	383018	398041	27.1	12.3	8.1
N3_33	383018	398041	27.1	12.3	8.1
N3_34	383018	398041	27.1	12.3	8.1
N3_35	383018	398041	27.1	12.3	8.1
N4_GF	382967	398034	21.0	11.6	7.7
N4_1	382967	398034	21.0	11.6	7.7
N4_2	382967	398034	21.0	11.6	7.7
N4_3	382967	398034	21.0	11.6	7.7
N4_4	382967	398034	21.0	11.6	7.7

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
N4_5	382967	398034	21.0	11.6	7.7
N4_6	382967	398034	21.0	11.6	7.7
N4_7	382967	398034	21.0	11.6	7.7
N4_8	382967	398034	21.0	11.6	7.7
N4_9	382967	398034	21.0	11.6	7.7
N4_10	382967	398034	21.0	11.6	7.7
N4_11	382967	398034	21.0	11.6	7.7
N4_12	382967	398034	21.0	11.6	7.7
N4_13	382967	398034	21.0	11.6	7.7
N4_14	382967	398034	21.0	11.6	7.7
N4_15	382967	398034	21.0	11.6	7.7
N4_16	382967	398034	21.0	11.6	7.7
N4_17	382967	398034	21.0	11.6	7.7
N4_18	382967	398034	21.0	11.6	7.7
N4_19	382967	398034	21.0	11.6	7.7
N4_20	382967	398034	21.0	11.6	7.7
N4_21	382967	398034	21.0	11.6	7.7
N4_22	382967	398034	21.0	11.6	7.7
N4_23	382967	398034	21.0	11.6	7.7
N4_24	382967	398034	21.0	11.6	7.7
N4_25	382967	398034	21.0	11.6	7.7
N4_26	382967	398034	21.0	11.6	7.7
N4_27	382967	398034	21.0	11.6	7.7
N4_28	382967	398034	21.0	11.6	7.7
N4_29	382967	398034	21.0	11.6	7.7
N4_30	382967	398034	21.0	11.6	7.7
N4_31	382967	398034	21.0	11.6	7.7
N4_32	382967	398034	21.0	11.6	7.7
N4_33	382967	398034	21.0	11.6	7.7
N4_34	382967	398034	21.0	11.6	7.7
N4_35	382967	398034	21.0	11.6	7.7
N5_GF	382992	398028	21.0	11.6	7.7
N5_1	382992	398028	21.0	11.6	7.7
N5_2	382992	398028	21.0	11.6	7.7

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
N5_3	382992	398028	21.0	11.6	7.7
N5_4	382992	398028	21.0	11.6	7.7
N5_5	382992	398028	21.0	11.6	7.7
N5_6	382992	398028	21.0	11.6	7.7
N5_7	382992	398028	21.0	11.6	7.7
N5_8	382992	398028	21.0	11.6	7.7
N5_9	382992	398028	21.0	11.6	7.7
N5_10	382992	398028	21.0	11.6	7.7
N5_11	382992	398028	21.0	11.6	7.7
N5_12	382992	398028	21.0	11.6	7.7
N5_13	382992	398028	21.0	11.6	7.7
N5_14	382992	398028	21.0	11.6	7.7
N5_15	382992	398028	21.0	11.6	7.7
N5_16	382992	398028	21.0	11.6	7.7
N5_17	382992	398028	21.0	11.6	7.7
N5_18	382992	398028	21.0	11.6	7.7
N5_19	382992	398028	21.0	11.6	7.7
N5_20	382992	398028	21.0	11.6	7.7
N5_21	382992	398028	21.0	11.6	7.7
N5_22	382992	398028	21.0	11.6	7.7
N5_23	382992	398028	21.0	11.6	7.7
N5_24	382992	398028	21.0	11.6	7.7
N5_25	382992	398028	21.0	11.6	7.7
N5_26	382992	398028	21.0	11.6	7.7
N5_27	382992	398028	21.0	11.6	7.7
N5_28	382992	398028	21.0	11.6	7.7
N5_29	382992	398028	21.0	11.6	7.7
N5_30	382992	398028	21.0	11.6	7.7
N5_31	382992	398028	21.0	11.6	7.7
N5_32	382992	398028	21.0	11.6	7.7
N5_33	382992	398028	21.0	11.6	7.7
N5_34	382992	398028	21.0	11.6	7.7
N5_35	382992	398028	21.0	11.6	7.7
N6_GF	383014	398023	27.1	12.3	8.1

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
N6_1	383014	398023	27.1	12.3	8.1
N6_2	383014	398023	27.1	12.3	8.1
N6_3	383014	398023	27.1	12.3	8.1
N6_4	383014	398023	27.1	12.3	8.1
N6_5	383014	398023	27.1	12.3	8.1
N6_6	383014	398023	27.1	12.3	8.1
N6_7	383014	398023	27.1	12.3	8.1
N6_8	383014	398023	27.1	12.3	8.1
N6_9	383014	398023	27.1	12.3	8.1
N6_10	383014	398023	27.1	12.3	8.1
N6_11	383014	398023	27.1	12.3	8.1
N6_12	383014	398023	27.1	12.3	8.1
N6_13	383014	398023	27.1	12.3	8.1
N6_14	383014	398023	27.1	12.3	8.1
N6_15	383014	398023	27.1	12.3	8.1
N6_16	383014	398023	27.1	12.3	8.1
N6_17	383014	398023	27.1	12.3	8.1
N6_18	383014	398023	27.1	12.3	8.1
N6_19	383014	398023	27.1	12.3	8.1
N6_20	383014	398023	27.1	12.3	8.1
N6_21	383014	398023	27.1	12.3	8.1
N6_22	383014	398023	27.1	12.3	8.1
N6_23	383014	398023	27.1	12.3	8.1
N6_24	383014	398023	27.1	12.3	8.1
N6_25	383014	398023	27.1	12.3	8.1
N6_26	383014	398023	27.1	12.3	8.1
N6_27	383014	398023	27.1	12.3	8.1
N6_28	383014	398023	27.1	12.3	8.1
N6_29	383014	398023	27.1	12.3	8.1
N6_30	383014	398023	27.1	12.3	8.1
N6_31	383014	398023	27.1	12.3	8.1
N6_32	383014	398023	27.1	12.3	8.1
N6_33	383014	398023	27.1	12.3	8.1
N6_34	383014	398023	27.1	12.3	8.1

Receptor	X	Y	2020 NO ₂	2020 PM ₁₀	2020 PM _{2.5}
N6_35	383014	398023	27.1	12.3	8.1

Appendix 9.4 – Union – Model Verification

The comparison of modelled concentrations with local monitored concentrations is a process termed 'verification'. Model verification investigates the discrepancies between modelled and measured concentrations. Discrepancies occur due to model uncertainties, such as:

- Estimates of background pollutant concentrations;
- Meteorological data uncertainties;
- Traffic data uncertainties;
- Model input parameters; and
- Overall limitations of the dispersion model.

Nitrogen dioxide is produced in the atmosphere by the reaction of nitric oxide (NO) with ozone. Therefore model verification for nitrogen oxides ($\text{NO}_x = \text{NO} + \text{NO}_2$) the primary pollutant is appropriate. This has been undertaken in accordance Chapter 7 of LAQM.TG(16).

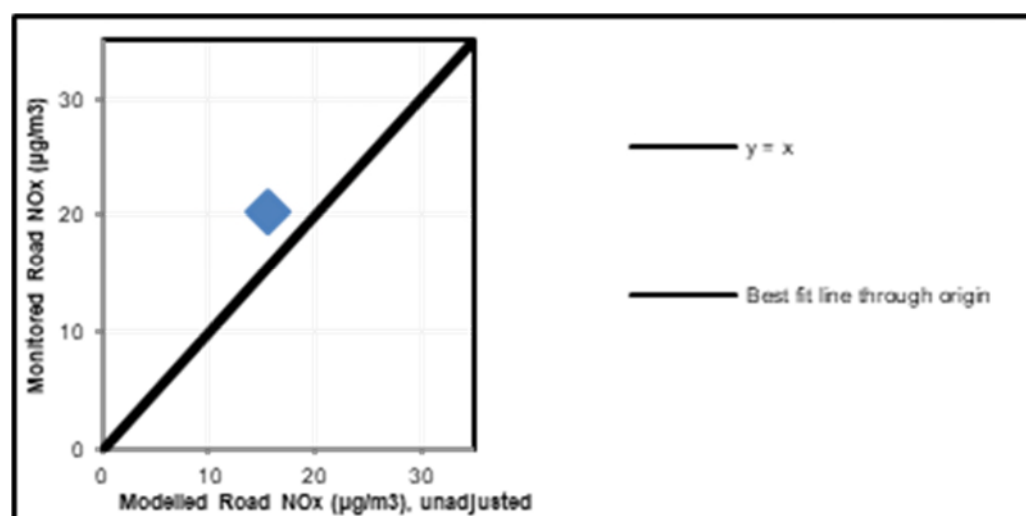
The model has been run to predict the 2018 annual mean road- NO_x contribution at the monitoring locations given below. The model outputs of road- NO_x for each location have been compared with the 2018 'measured' road- NO_x , which was determined utilising the NO_x from NO_2 calculator and the NO_2 concentration data from MCC monitoring.

Details of the data used in the verification process is in the table and figure below:

Site Name	2018 Monitored Total NO_2 ($\mu\text{g}/\text{m}^3$)	Background NO_2 ($\mu\text{g}/\text{m}^3$)	2018 Monitored Road Contribution NO_x ($\mu\text{g}/\text{m}^3$)	2018 Modelled Road Contribution NO_x ($\mu\text{g}/\text{m}^3$)	Ratio of monitored NO_x road contribution / modelled road contribution NO_x ($\mu\text{g}/\text{m}^3$)
DT_SA39	39.1	29.5	20.4	15.5	1.3

The adjustment factor calculated is 1.3.

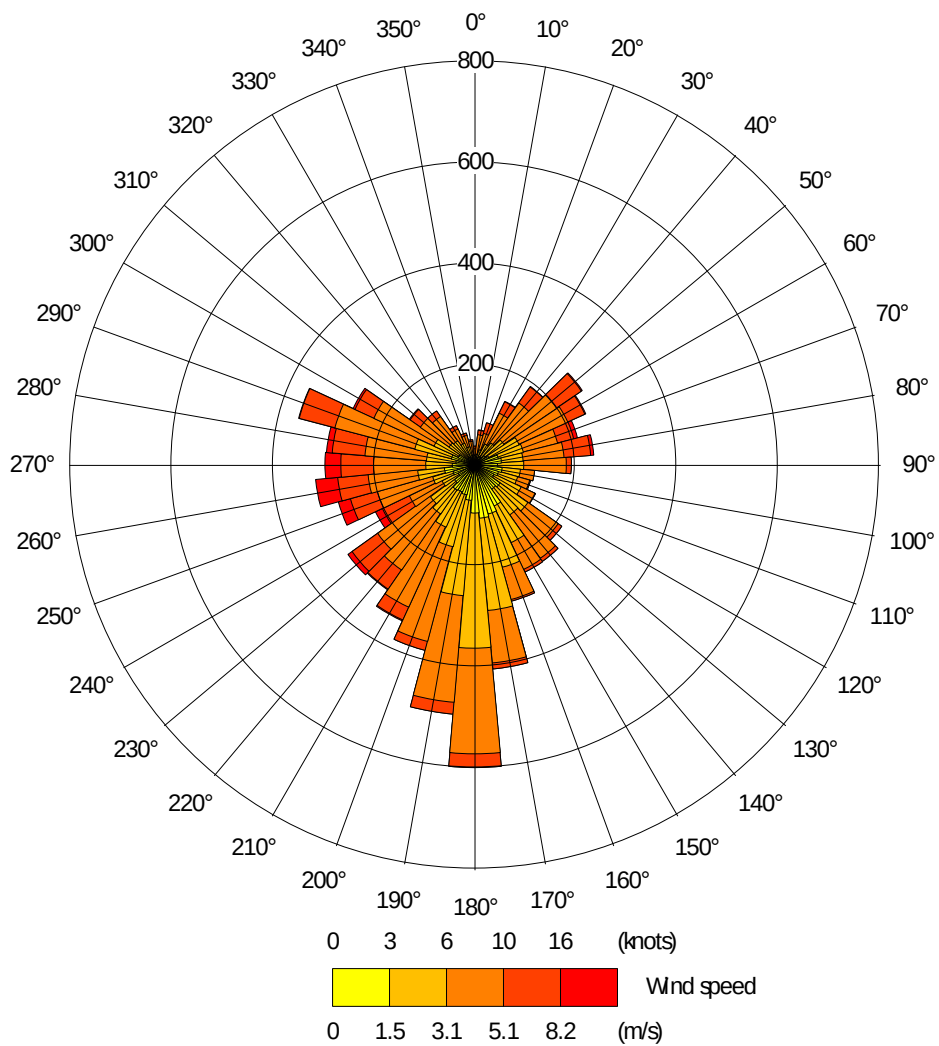
For PM_{10} and $\text{PM}_{2.5}$ there are no relevant local monitoring data against which the model could be verified. Consequently, the verification factors determined above for adjusting the road- NO_x contribution has been applied to the predicted road- PM_{10} and road- $\text{PM}_{2.5}$ contributions, consistent with guidance set out in LAQM.TG(16).



Appendix 9.5 – Union - Modelled Buildings

Building	Grid Reference		Height (m)	Length (m)	Width (m)	Angle (°)
1	383186.50	398022.31	35.0	28.98	83.01	105.52
2	383069.19	397911.69	21.0	53.64	24.88	106.79
3	382997.00	397932.09	10.0	34.26	54.80	186.62
4	383072.50	397945.59	20.5	29.55	60.95	194.89
5	383111.59	397896.09	15.0	19.12	12.29	197.57
6	383179.81	397868.41	12.0	31.64	106.35	196.17
7	383152.19	397814.81	12.0	25.35	109.13	193.87
8	383204.19	397820.50	12.0	11.39	9.99	189.20
9	382930.41	397874.19	26.5	8.37	37.81	200.80
10	383179.50	397913.00	28.5	35.72	132.81	195.54
11	383009.31	397851.41	9.0	17.23	118.58	197.59
12	382975.19	397894.50	15.0	18.08	71.94	192.80
13	383211.19	397948.41	8.0	16.06	14.79	104.93
14	383247.91	398017.59	13.0	55.48	71.11	106.24
15	383070.19	398132.19	13.0	86.32	35.80	43.54
16	383160.81	398113.31	8.0	47.11	23.11	107.24
17	383214.31	398129.19	15.0	30.00	33.30	54.12
18	383168.69	397966.31	35.0	32.79	27.19	195.59
19	383151.19	398014.50	12.0	117.06	34.58	195.63
20	383100.19	398021.19	32.0	98.77	54.48	192.64
21	383053.50	398011.50	114.0	13.87	49.10	97.02

Appendix 9.6 – Union - 2018 Wind Rose (Manchester)



Appendix 9.7 – Union - Operational Phase Results (2020 Background Concentrations & Emission Factors)

Annual Mean NO₂ Results

Receptor ID	Without Development	With Development	Change (µg/m ³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
E1_GF	29.4	29.4	0.0	0.0	Negligible
E2_GF	26.0	26.0	0.0	0.0	Negligible
E2_1	25.2	25.2	0.0	0.0	Negligible
E3_GF	26.2	26.2	0.0	0.0	Negligible
E4_GF	31.0	31.0	0.0	0.0	Negligible
E4_4	23.2	23.2	0.0	0.0	Negligible
E5_1	34.8	34.8	0.0	0.0	Negligible
E5_4	29.5	29.5	0.0	0.0	Negligible
E6_GF	33.8	33.8	0.0	0.0	Negligible
E7_1	35.8	35.8	0.0	0.0	Negligible
E7_4	29.2	29.2	0.0	0.0	Negligible
E8_GF	39.8	39.8	0.0	0.0	Negligible
E9_GF	33.5	33.5	0.0	0.0	Negligible
E10_1	32.4	32.4	0.0	0.0	Negligible
E10_2	30.2	30.2	0.0	0.0	Negligible
E11_1	31.4	31.4	0.0	0.0	Negligible
E12_GF	29.6	29.6	0.0	0.0	Negligible
E13_GF	28.5	28.5	0.0	0.0	Negligible
E14_1	29.5	29.5	0.0	0.0	Negligible
E15_1	29.0	29.0	0.0	0.0	Negligible
E16_1	31.6	31.6	0.0	0.0	Negligible
N1_GF	-	23.6	-	-	No
N1_1	-	23.3	-	-	No
N1_2	-	22.9	-	-	No
N1_3	-	22.6	-	-	No
N1_4	-	22.3	-	-	No
N1_5	-	22.0	-	-	No
N1_6	-	21.9	-	-	No
N1_7	-	21.7	-	-	No
N1_8	-	21.6	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N1_9	-	21.5	-	-	No
N1_10	-	21.5	-	-	No
N1_11	-	21.4	-	-	No
N1_12	-	21.4	-	-	No
N1_13	-	21.3	-	-	No
N1_14	-	21.3	-	-	No
N1_15	-	21.2	-	-	No
N1_16	-	21.2	-	-	No
N1_17	-	21.2	-	-	No
N1_18	-	21.2	-	-	No
N1_19	-	21.1	-	-	No
N1_20	-	21.1	-	-	No
N1_21	-	21.1	-	-	No
N1_22	-	21.1	-	-	No
N1_23	-	21.1	-	-	No
N1_24	-	21.1	-	-	No
N1_25	-	21.1	-	-	No
N1_26	-	21.1	-	-	No
N1_27	-	21.1	-	-	No
N1_28	-	21.1	-	-	No
N1_29	-	21.0	-	-	No
N1_30	-	21.0	-	-	No
N1_31	-	21.0	-	-	No
N1_32	-	21.0	-	-	No
N1_33	-	21.0	-	-	No
N1_34	-	21.0	-	-	No
N1_35	-	21.1	-	-	No
N2_GF	-	23.8	-	-	No
N2_1	-	23.3	-	-	No
N2_2	-	22.9	-	-	No
N2_3	-	22.5	-	-	No
N2_4	-	22.3	-	-	No
N2_5	-	22.0	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N2_6	-	21.9	-	-	No
N2_7	-	21.7	-	-	No
N2_8	-	21.6	-	-	No
N2_9	-	21.5	-	-	No
N2_10	-	21.5	-	-	No
N2_11	-	21.4	-	-	No
N2_12	-	21.4	-	-	No
N2_13	-	21.3	-	-	No
N2_14	-	21.3	-	-	No
N2_15	-	21.2	-	-	No
N2_16	-	21.2	-	-	No
N2_17	-	21.2	-	-	No
N2_18	-	21.2	-	-	No
N2_19	-	21.1	-	-	No
N2_20	-	21.1	-	-	No
N2_21	-	21.1	-	-	No
N2_22	-	21.1	-	-	No
N2_23	-	21.1	-	-	No
N2_24	-	21.1	-	-	No
N2_25	-	21.1	-	-	No
N2_26	-	21.1	-	-	No
N2_27	-	21.1	-	-	No
N2_28	-	21.1	-	-	No
N2_29	-	21.0	-	-	No
N2_30	-	21.0	-	-	No
N2_31	-	21.0	-	-	No
N2_32	-	21.0	-	-	No
N2_33	-	21.0	-	-	No
N2_34	-	21.1	-	-	No
N2_35	-	21.1	-	-	No
N3_GF	-	30.5	-	-	No
N3_1	-	29.3	-	-	No
N3_2	-	28.8	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N3_3	-	28.5	-	-	No
N3_4	-	28.3	-	-	No
N3_5	-	28.0	-	-	No
N3_6	-	27.9	-	-	No
N3_7	-	27.8	-	-	No
N3_8	-	27.7	-	-	No
N3_9	-	27.6	-	-	No
N3_10	-	27.5	-	-	No
N3_11	-	27.5	-	-	No
N3_12	-	27.4	-	-	No
N3_13	-	27.4	-	-	No
N3_14	-	27.3	-	-	No
N3_15	-	27.3	-	-	No
N3_16	-	27.3	-	-	No
N3_17	-	27.2	-	-	No
N3_18	-	27.2	-	-	No
N3_19	-	27.2	-	-	No
N3_20	-	27.2	-	-	No
N3_21	-	27.2	-	-	No
N3_22	-	27.2	-	-	No
N3_23	-	27.2	-	-	No
N3_24	-	27.1	-	-	No
N3_25	-	27.1	-	-	No
N3_26	-	27.1	-	-	No
N3_27	-	27.1	-	-	No
N3_28	-	27.1	-	-	No
N3_29	-	27.1	-	-	No
N3_30	-	27.1	-	-	No
N3_31	-	27.1	-	-	No
N3_32	-	27.1	-	-	No
N3_33	-	27.2	-	-	No
N3_34	-	27.2	-	-	No
N3_35	-	27.4	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N4_GF	-	23.7	-	-	No
N4_1	-	23.3	-	-	No
N4_2	-	22.9	-	-	No
N4_3	-	22.6	-	-	No
N4_4	-	22.3	-	-	No
N4_5	-	22.0	-	-	No
N4_6	-	21.9	-	-	No
N4_7	-	21.7	-	-	No
N4_8	-	21.6	-	-	No
N4_9	-	21.5	-	-	No
N4_10	-	21.5	-	-	No
N4_11	-	21.4	-	-	No
N4_12	-	21.4	-	-	No
N4_13	-	21.3	-	-	No
N4_14	-	21.3	-	-	No
N4_15	-	21.2	-	-	No
N4_16	-	21.2	-	-	No
N4_17	-	21.2	-	-	No
N4_18	-	21.2	-	-	No
N4_19	-	21.1	-	-	No
N4_20	-	21.1	-	-	No
N4_21	-	21.1	-	-	No
N4_22	-	21.1	-	-	No
N4_23	-	21.1	-	-	No
N4_24	-	21.1	-	-	No
N4_25	-	21.1	-	-	No
N4_26	-	21.1	-	-	No
N4_27	-	21.1	-	-	No
N4_28	-	21.1	-	-	No
N4_29	-	21.0	-	-	No
N4_30	-	21.0	-	-	No
N4_31	-	21.0	-	-	No
N4_32	-	21.0	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N4_33	-	21.0	-	-	No
N4_34	-	21.0	-	-	No
N4_35	-	21.1	-	-	No
N5_GF	-	24.0	-	-	No
N5_1	-	23.3	-	-	No
N5_2	-	22.9	-	-	No
N5_3	-	22.5	-	-	No
N5_4	-	22.2	-	-	No
N5_5	-	22.0	-	-	No
N5_6	-	21.9	-	-	No
N5_7	-	21.7	-	-	No
N5_8	-	21.6	-	-	No
N5_9	-	21.5	-	-	No
N5_10	-	21.5	-	-	No
N5_11	-	21.4	-	-	No
N5_12	-	21.4	-	-	No
N5_13	-	21.3	-	-	No
N5_14	-	21.3	-	-	No
N5_15	-	21.2	-	-	No
N5_16	-	21.2	-	-	No
N5_17	-	21.2	-	-	No
N5_18	-	21.2	-	-	No
N5_19	-	21.1	-	-	No
N5_20	-	21.1	-	-	No
N5_21	-	21.1	-	-	No
N5_22	-	21.1	-	-	No
N5_23	-	21.1	-	-	No
N5_24	-	21.1	-	-	No
N5_25	-	21.1	-	-	No
N5_26	-	21.1	-	-	No
N5_27	-	21.1	-	-	No
N5_28	-	21.1	-	-	No
N5_29	-	21.0	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N5_30	-	21.0	-	-	No
N5_31	-	21.0	-	-	No
N5_32	-	21.0	-	-	No
N5_33	-	21.0	-	-	No
N5_34	-	21.0	-	-	No
N5_35	-	21.1	-	-	No
N6_GF	-	32.0	-	-	No
N6_1	-	29.2	-	-	No
N6_2	-	28.8	-	-	No
N6_3	-	28.5	-	-	No
N6_4	-	28.3	-	-	No
N6_5	-	28.0	-	-	No
N6_6	-	27.9	-	-	No
N6_7	-	27.8	-	-	No
N6_8	-	27.7	-	-	No
N6_9	-	27.6	-	-	No
N6_10	-	27.5	-	-	No
N6_11	-	27.5	-	-	No
N6_12	-	27.4	-	-	No
N6_13	-	27.4	-	-	No
N6_14	-	27.3	-	-	No
N6_15	-	27.3	-	-	No
N6_16	-	27.3	-	-	No
N6_17	-	27.2	-	-	No
N6_18	-	27.2	-	-	No
N6_19	-	27.2	-	-	No
N6_20	-	27.2	-	-	No
N6_21	-	27.2	-	-	No
N6_22	-	27.2	-	-	No
N6_23	-	27.2	-	-	No
N6_24	-	27.1	-	-	No
N6_25	-	27.1	-	-	No
N6_26	-	27.1	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N6_27	-	27.1	-	-	No
N6_28	-	27.1	-	-	No
N6_29	-	27.1	-	-	No
N6_30	-	27.1	-	-	No
N6_31	-	27.1	-	-	No
N6_32	-	27.1	-	-	No
N6_33	-	27.1	-	-	No
N6_34	-	27.2	-	-	No
N6_35	-	27.3	-	-	No

1-Hour Mean NO₂ Results

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
E1_GF	71.9	71.9	0.0	No
E2_GF	61.2	61.2	0.0	No
E2_1	57.0	57.0	0.0	No
E3_GF	57.8	57.8	0.0	No
E4_GF	68.5	68.5	0.0	No
E4_4	51.2	51.2	0.0	No
E5_1	80.0	80.0	0.0	No
E5_4	65.7	65.8	0.1	No
E6_GF	78.5	78.6	0.0	No
E7_1	80.4	80.5	0.1	No
E7_4	62.9	62.9	0.0	No
E8_GF	86.1	86.2	0.1	No
E9_GF	74.1	74.2	0.0	No
E10_1	80.5	80.6	0.1	No
E10_2	70.9	71.0	0.1	No
E11_1	67.9	67.9	0.0	No
E12_GF	64.2	64.2	0.0	No
E13_GF	69.8	69.9	0.0	No
E14_1	66.2	66.2	0.0	No
E15_1	72.5	72.5	0.0	No
E16_1	69.2	69.3	0.1	No

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
N1_GF	-	49.8	-	No
N1_1	-	49.1	-	No
N1_2	-	48.1	-	No
N1_3	-	47.1	-	No
N1_4	-	46.1	-	No
N1_5	-	45.4	-	No
N1_6	-	45.0	-	No
N1_7	-	44.7	-	No
N1_8	-	44.4	-	No
N1_9	-	44.2	-	No
N1_10	-	43.9	-	No
N1_11	-	43.8	-	No
N1_12	-	43.6	-	No
N1_13	-	43.5	-	No
N1_14	-	43.5	-	No
N1_15	-	43.4	-	No
N1_16	-	43.3	-	No
N1_17	-	43.2	-	No
N1_18	-	43.2	-	No
N1_19	-	43.1	-	No
N1_20	-	43.1	-	No
N1_21	-	43.1	-	No
N1_22	-	43.0	-	No
N1_23	-	43.0	-	No
N1_24	-	42.9	-	No
N1_25	-	42.9	-	No
N1_26	-	42.9	-	No
N1_27	-	42.8	-	No
N1_28	-	42.8	-	No
N1_29	-	42.8	-	No
N1_30	-	42.7	-	No
N1_31	-	42.7	-	No
N1_32	-	42.7	-	No
N1_33	-	42.7	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
N1_34	-	42.9	-	No
N1_35	-	44.7	-	No
N2_GF	-	50.1	-	No
N2_1	-	48.6	-	No
N2_2	-	47.7	-	No
N2_3	-	46.9	-	No
N2_4	-	46.2	-	No
N2_5	-	45.5	-	No
N2_6	-	45.1	-	No
N2_7	-	44.7	-	No
N2_8	-	44.4	-	No
N2_9	-	44.1	-	No
N2_10	-	43.9	-	No
N2_11	-	43.7	-	No
N2_12	-	43.6	-	No
N2_13	-	43.5	-	No
N2_14	-	43.4	-	No
N2_15	-	43.3	-	No
N2_16	-	43.3	-	No
N2_17	-	43.2	-	No
N2_18	-	43.2	-	No
N2_19	-	43.1	-	No
N2_20	-	43.1	-	No
N2_21	-	43.0	-	No
N2_22	-	43.0	-	No
N2_23	-	42.9	-	No
N2_24	-	42.9	-	No
N2_25	-	42.9	-	No
N2_26	-	42.8	-	No
N2_27	-	42.8	-	No
N2_28	-	42.8	-	No
N2_29	-	42.7	-	No
N2_30	-	42.7	-	No
N2_31	-	42.7	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
N2_32	-	42.7	-	No
N2_33	-	43.0	-	No
N2_34	-	44.3	-	No
N2_35	-	48.1	-	No
N3_GF	-	64.5	-	No
N3_1	-	61.2	-	No
N3_2	-	59.8	-	No
N3_3	-	58.8	-	No
N3_4	-	58.1	-	No
N3_5	-	57.4	-	No
N3_6	-	57.0	-	No
N3_7	-	56.6	-	No
N3_8	-	56.3	-	No
N3_9	-	56.1	-	No
N3_10	-	55.9	-	No
N3_11	-	55.8	-	No
N3_12	-	55.6	-	No
N3_13	-	55.5	-	No
N3_14	-	55.4	-	No
N3_15	-	55.3	-	No
N3_16	-	55.3	-	No
N3_17	-	55.2	-	No
N3_18	-	55.2	-	No
N3_19	-	55.2	-	No
N3_20	-	55.1	-	No
N3_21	-	55.1	-	No
N3_22	-	55.0	-	No
N3_23	-	55.0	-	No
N3_24	-	55.0	-	No
N3_25	-	54.9	-	No
N3_26	-	54.9	-	No
N3_27	-	55.0	-	No
N3_28	-	55.1	-	No
N3_29	-	55.3	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
N3_30	-	55.6	-	No
N3_31	-	56.0	-	No
N3_32	-	56.7	-	No
N3_33	-	57.2	-	No
N3_34	-	58.2	-	No
N3_35	-	59.5	-	No
N4_GF	-	49.5	-	No
N4_1	-	48.7	-	No
N4_2	-	47.9	-	No
N4_3	-	47.0	-	No
N4_4	-	46.0	-	No
N4_5	-	45.4	-	No
N4_6	-	45.0	-	No
N4_7	-	44.7	-	No
N4_8	-	44.4	-	No
N4_9	-	44.2	-	No
N4_10	-	43.9	-	No
N4_11	-	43.8	-	No
N4_12	-	43.6	-	No
N4_13	-	43.5	-	No
N4_14	-	43.5	-	No
N4_15	-	43.4	-	No
N4_16	-	43.3	-	No
N4_17	-	43.2	-	No
N4_18	-	43.1	-	No
N4_19	-	43.1	-	No
N4_20	-	43.1	-	No
N4_21	-	43.0	-	No
N4_22	-	43.0	-	No
N4_23	-	43.0	-	No
N4_24	-	42.9	-	No
N4_25	-	42.9	-	No
N4_26	-	42.8	-	No
N4_27	-	42.8	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
N4_28	-	42.8	-	No
N4_29	-	42.7	-	No
N4_30	-	42.7	-	No
N4_31	-	42.7	-	No
N4_32	-	42.7	-	No
N4_33	-	42.7	-	No
N4_34	-	43.2	-	No
N4_35	-	46.2	-	No
N5_GF	-	50.5	-	No
N5_1	-	48.7	-	No
N5_2	-	47.6	-	No
N5_3	-	46.8	-	No
N5_4	-	46.0	-	No
N5_5	-	45.4	-	No
N5_6	-	45.0	-	No
N5_7	-	44.7	-	No
N5_8	-	44.4	-	No
N5_9	-	44.1	-	No
N5_10	-	43.9	-	No
N5_11	-	43.7	-	No
N5_12	-	43.6	-	No
N5_13	-	43.5	-	No
N5_14	-	43.4	-	No
N5_15	-	43.3	-	No
N5_16	-	43.3	-	No
N5_17	-	43.2	-	No
N5_18	-	43.1	-	No
N5_19	-	43.1	-	No
N5_20	-	43.0	-	No
N5_21	-	43.0	-	No
N5_22	-	43.0	-	No
N5_23	-	42.9	-	No
N5_24	-	42.9	-	No
N5_25	-	42.8	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
N5_26	-	42.8	-	No
N5_27	-	42.8	-	No
N5_28	-	42.7	-	No
N5_29	-	42.7	-	No
N5_30	-	42.7	-	No
N5_31	-	42.7	-	No
N5_32	-	42.7	-	No
N5_33	-	42.7	-	No
N5_34	-	43.3	-	No
N5_35	-	46.1	-	No
N6_GF	-	68.2	-	No
N6_1	-	61.3	-	No
N6_2	-	59.7	-	No
N6_3	-	58.7	-	No
N6_4	-	58.0	-	No
N6_5	-	57.3	-	No
N6_6	-	57.0	-	No
N6_7	-	56.7	-	No
N6_8	-	56.3	-	No
N6_9	-	56.1	-	No
N6_10	-	55.9	-	No
N6_11	-	55.7	-	No
N6_12	-	55.6	-	No
N6_13	-	55.5	-	No
N6_14	-	55.4	-	No
N6_15	-	55.3	-	No
N6_16	-	55.3	-	No
N6_17	-	55.2	-	No
N6_18	-	55.2	-	No
N6_19	-	55.1	-	No
N6_20	-	55.1	-	No
N6_21	-	55.0	-	No
N6_22	-	55.0	-	No
N6_23	-	55.0	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	Exceed 200µg/m³ (Y/N)
N6_24	-	54.9	-	No
N6_25	-	54.9	-	No
N6_26	-	54.9	-	No
N6_27	-	54.9	-	No
N6_28	-	55.0	-	No
N6_29	-	55.1	-	No
N6_30	-	55.4	-	No
N6_31	-	55.7	-	No
N6_32	-	56.2	-	No
N6_33	-	57.1	-	No
N6_34	-	57.9	-	No
N6_35	-	59.0	-	No

Annual Mean PM₁₀ Results

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
E1_GF	13.1	13.1	0.0	0.0	Negligible
E2_GF	12.6	12.6	0.0	0.0	Negligible
E2_1	12.5	12.5	0.0	0.0	Negligible
E3_GF	12.6	12.6	0.0	0.0	Negligible
E4_GF	13.0	13.0	0.0	0.0	Negligible
E4_4	12.3	12.3	0.0	0.0	Negligible
E5_1	13.3	13.3	0.0	0.0	Negligible
E5_4	12.6	12.6	0.0	0.0	Negligible
E6_GF	13.1	13.1	0.0	0.0	Negligible
E7_1	13.4	13.4	0.0	0.0	Negligible
E7_4	12.6	12.6	0.0	0.0	Negligible
E8_GF	13.7	13.7	0.0	0.0	Negligible
E9_GF	13.6	13.6	0.0	0.0	Negligible
E10_1	12.9	12.9	0.0	0.0	Negligible
E10_2	12.7	12.7	0.0	0.0	Negligible
E11_1	12.8	12.8	0.0	0.0	Negligible
E12_GF	12.8	12.8	0.0	0.0	Negligible

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
E13_GF	12.9	12.9	0.0	0.0	Negligible
E14_1	12.9	12.9	0.0	0.0	Negligible
E15_1	12.9	12.9	0.0	0.0	Negligible
E16_1	12.8	12.8	0.0	0.0	Negligible
N1_GF	-	11.8	-	-	No
N1_1	-	11.8	-	-	No
N1_2	-	11.8	-	-	No
N1_3	-	11.7	-	-	No
N1_4	-	11.7	-	-	No
N1_5	-	11.7	-	-	No
N1_6	-	11.6	-	-	No
N1_7	-	11.6	-	-	No
N1_8	-	11.6	-	-	No
N1_9	-	11.6	-	-	No
N1_10	-	11.6	-	-	No
N1_11	-	11.6	-	-	No
N1_12	-	11.6	-	-	No
N1_13	-	11.6	-	-	No
N1_14	-	11.6	-	-	No
N1_15	-	11.6	-	-	No
N1_16	-	11.6	-	-	No
N1_17	-	11.6	-	-	No
N1_18	-	11.6	-	-	No
N1_19	-	11.6	-	-	No
N1_20	-	11.6	-	-	No
N1_21	-	11.6	-	-	No
N1_22	-	11.6	-	-	No
N1_23	-	11.6	-	-	No
N1_24	-	11.6	-	-	No
N1_25	-	11.6	-	-	No
N1_26	-	11.6	-	-	No
N1_27	-	11.6	-	-	No
N1_28	-	11.6	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N1_29	-	11.6	-	-	No
N1_30	-	11.6	-	-	No
N1_31	-	11.6	-	-	No
N1_32	-	11.6	-	-	No
N1_33	-	11.6	-	-	No
N1_34	-	11.6	-	-	No
N1_35	-	11.6	-	-	No
N2_GF	-	11.8	-	-	No
N2_1	-	11.8	-	-	No
N2_2	-	11.8	-	-	No
N2_3	-	11.7	-	-	No
N2_4	-	11.7	-	-	No
N2_5	-	11.7	-	-	No
N2_6	-	11.6	-	-	No
N2_7	-	11.6	-	-	No
N2_8	-	11.6	-	-	No
N2_9	-	11.6	-	-	No
N2_10	-	11.6	-	-	No
N2_11	-	11.6	-	-	No
N2_12	-	11.6	-	-	No
N2_13	-	11.6	-	-	No
N2_14	-	11.6	-	-	No
N2_15	-	11.6	-	-	No
N2_16	-	11.6	-	-	No
N2_17	-	11.6	-	-	No
N2_18	-	11.6	-	-	No
N2_19	-	11.6	-	-	No
N2_20	-	11.6	-	-	No
N2_21	-	11.6	-	-	No
N2_22	-	11.6	-	-	No
N2_23	-	11.6	-	-	No
N2_24	-	11.6	-	-	No
N2_25	-	11.6	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N2_26	-	11.6	-	-	No
N2_27	-	11.6	-	-	No
N2_28	-	11.6	-	-	No
N2_29	-	11.6	-	-	No
N2_30	-	11.6	-	-	No
N2_31	-	11.6	-	-	No
N2_32	-	11.6	-	-	No
N2_33	-	11.6	-	-	No
N2_34	-	11.6	-	-	No
N2_35	-	11.6	-	-	No
N3_GF	-	12.7	-	-	No
N3_1	-	12.6	-	-	No
N3_2	-	12.5	-	-	No
N3_3	-	12.5	-	-	No
N3_4	-	12.5	-	-	No
N3_5	-	12.4	-	-	No
N3_6	-	12.4	-	-	No
N3_7	-	12.4	-	-	No
N3_8	-	12.4	-	-	No
N3_9	-	12.4	-	-	No
N3_10	-	12.4	-	-	No
N3_11	-	12.4	-	-	No
N3_12	-	12.4	-	-	No
N3_13	-	12.4	-	-	No
N3_14	-	12.4	-	-	No
N3_15	-	12.4	-	-	No
N3_16	-	12.4	-	-	No
N3_17	-	12.4	-	-	No
N3_18	-	12.4	-	-	No
N3_19	-	12.4	-	-	No
N3_20	-	12.4	-	-	No
N3_21	-	12.4	-	-	No
N3_22	-	12.4	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N3_23	-	12.4	-	-	No
N3_24	-	12.4	-	-	No
N3_25	-	12.4	-	-	No
N3_26	-	12.3	-	-	No
N3_27	-	12.3	-	-	No
N3_28	-	12.3	-	-	No
N3_29	-	12.3	-	-	No
N3_30	-	12.3	-	-	No
N3_31	-	12.3	-	-	No
N3_32	-	12.3	-	-	No
N3_33	-	12.3	-	-	No
N3_34	-	12.3	-	-	No
N3_35	-	12.3	-	-	No
N4_GF	-	11.8	-	-	No
N4_1	-	11.8	-	-	No
N4_2	-	11.8	-	-	No
N4_3	-	11.7	-	-	No
N4_4	-	11.7	-	-	No
N4_5	-	11.7	-	-	No
N4_6	-	11.6	-	-	No
N4_7	-	11.6	-	-	No
N4_8	-	11.6	-	-	No
N4_9	-	11.6	-	-	No
N4_10	-	11.6	-	-	No
N4_11	-	11.6	-	-	No
N4_12	-	11.6	-	-	No
N4_13	-	11.6	-	-	No
N4_14	-	11.6	-	-	No
N4_15	-	11.6	-	-	No
N4_16	-	11.6	-	-	No
N4_17	-	11.6	-	-	No
N4_18	-	11.6	-	-	No
N4_19	-	11.6	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N4_20	-	11.6	-	-	No
N4_21	-	11.6	-	-	No
N4_22	-	11.6	-	-	No
N4_23	-	11.6	-	-	No
N4_24	-	11.6	-	-	No
N4_25	-	11.6	-	-	No
N4_26	-	11.6	-	-	No
N4_27	-	11.6	-	-	No
N4_28	-	11.6	-	-	No
N4_29	-	11.6	-	-	No
N4_30	-	11.6	-	-	No
N4_31	-	11.6	-	-	No
N4_32	-	11.6	-	-	No
N4_33	-	11.6	-	-	No
N4_34	-	11.6	-	-	No
N4_35	-	11.6	-	-	No
N5_GF	-	11.9	-	-	No
N5_1	-	11.8	-	-	No
N5_2	-	11.8	-	-	No
N5_3	-	11.7	-	-	No
N5_4	-	11.7	-	-	No
N5_5	-	11.7	-	-	No
N5_6	-	11.6	-	-	No
N5_7	-	11.6	-	-	No
N5_8	-	11.6	-	-	No
N5_9	-	11.6	-	-	No
N5_10	-	11.6	-	-	No
N5_11	-	11.6	-	-	No
N5_12	-	11.6	-	-	No
N5_13	-	11.6	-	-	No
N5_14	-	11.6	-	-	No
N5_15	-	11.6	-	-	No
N5_16	-	11.6	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N5_17	-	11.6	-	-	No
N5_18	-	11.6	-	-	No
N5_19	-	11.6	-	-	No
N5_20	-	11.6	-	-	No
N5_21	-	11.6	-	-	No
N5_22	-	11.6	-	-	No
N5_23	-	11.6	-	-	No
N5_24	-	11.6	-	-	No
N5_25	-	11.6	-	-	No
N5_26	-	11.6	-	-	No
N5_27	-	11.6	-	-	No
N5_28	-	11.6	-	-	No
N5_29	-	11.6	-	-	No
N5_30	-	11.6	-	-	No
N5_31	-	11.6	-	-	No
N5_32	-	11.6	-	-	No
N5_33	-	11.6	-	-	No
N5_34	-	11.6	-	-	No
N5_35	-	11.6	-	-	No
N6_GF	-	12.8	-	-	No
N6_1	-	12.6	-	-	No
N6_2	-	12.5	-	-	No
N6_3	-	12.5	-	-	No
N6_4	-	12.5	-	-	No
N6_5	-	12.4	-	-	No
N6_6	-	12.4	-	-	No
N6_7	-	12.4	-	-	No
N6_8	-	12.4	-	-	No
N6_9	-	12.4	-	-	No
N6_10	-	12.4	-	-	No
N6_11	-	12.4	-	-	No
N6_12	-	12.4	-	-	No
N6_13	-	12.4	-	-	No

Receptor ID	Without Development	With Development	Change ($\mu\text{g}/\text{m}^3$)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N6_14	-	12.4	-	-	No
N6_15	-	12.4	-	-	No
N6_16	-	12.4	-	-	No
N6_17	-	12.4	-	-	No
N6_18	-	12.4	-	-	No
N6_19	-	12.4	-	-	No
N6_20	-	12.4	-	-	No
N6_21	-	12.4	-	-	No
N6_22	-	12.4	-	-	No
N6_23	-	12.4	-	-	No
N6_24	-	12.4	-	-	No
N6_25	-	12.4	-	-	No
N6_26	-	12.3	-	-	No
N6_27	-	12.3	-	-	No
N6_28	-	12.3	-	-	No
N6_29	-	12.3	-	-	No
N6_30	-	12.3	-	-	No
N6_31	-	12.3	-	-	No
N6_32	-	12.3	-	-	No
N6_33	-	12.3	-	-	No
N6_34	-	12.3	-	-	No
N6_35	-	12.3	-	-	No

Daily Mean PM₁₀ Results

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
E1_GF	0	0	0	No
E2_GF	1	1	0	No
E2_1	1	1	0	No
E3_GF	1	1	0	No
E4_GF	1	1	0	No
E4_4	1	1	0	No
E5_1	0	0	0	No
E5_4	1	1	0	No

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
E6_GF	0	0	0	No
E7_1	0	0	0	No
E7_4	1	1	0	No
E8_GF	0	0	0	No
E9_GF	0	0	0	No
E10_1	1	1	0	No
E10_2	1	1	0	No
E11_1	1	1	0	No
E12_GF	1	1	0	No
E13_GF	1	1	0	No
E14_1	1	1	0	No
E15_1	1	1	0	No
E16_1	1	1	0	No
N1_GF	-	1	-	No
N1_1	-	1	-	No
N1_2	-	1	-	No
N1_3	-	1	-	No
N1_4	-	1	-	No
N1_5	-	1	-	No
N1_6	-	1	-	No
N1_7	-	1	-	No
N1_8	-	1	-	No
N1_9	-	2	-	No
N1_10	-	2	-	No
N1_11	-	2	-	No
N1_12	-	2	-	No
N1_13	-	2	-	No
N1_14	-	2	-	No
N1_15	-	2	-	No
N1_16	-	2	-	No
N1_17	-	2	-	No
N1_18	-	2	-	No
N1_19	-	2	-	No
N1_20	-	2	-	No

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
N1_21	-	2	-	No
N1_22	-	2	-	No
N1_23	-	2	-	No
N1_24	-	2	-	No
N1_25	-	2	-	No
N1_26	-	2	-	No
N1_27	-	2	-	No
N1_28	-	2	-	No
N1_29	-	2	-	No
N1_30	-	2	-	No
N1_31	-	2	-	No
N1_32	-	2	-	No
N1_33	-	2	-	No
N1_34	-	2	-	No
N1_35	-	2	-	No
N2_GF	-	1	-	No
N2_1	-	1	-	No
N2_2	-	1	-	No
N2_3	-	1	-	No
N2_4	-	1	-	No
N2_5	-	1	-	No
N2_6	-	1	-	No
N2_7	-	1	-	No
N2_8	-	1	-	No
N2_9	-	2	-	No
N2_10	-	2	-	No
N2_11	-	2	-	No
N2_12	-	2	-	No
N2_13	-	2	-	No
N2_14	-	2	-	No
N2_15	-	2	-	No
N2_16	-	2	-	No
N2_17	-	2	-	No
N2_18	-	2	-	No

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
N2_19	-	2	-	No
N2_20	-	2	-	No
N2_21	-	2	-	No
N2_22	-	2	-	No
N2_23	-	2	-	No
N2_24	-	2	-	No
N2_25	-	2	-	No
N2_26	-	2	-	No
N2_27	-	2	-	No
N2_28	-	2	-	No
N2_29	-	2	-	No
N2_30	-	2	-	No
N2_31	-	2	-	No
N2_32	-	2	-	No
N2_33	-	2	-	No
N2_34	-	2	-	No
N2_35	-	2	-	No
N3_GF	-	1	-	No
N3_1	-	1	-	No
N3_2	-	1	-	No
N3_3	-	1	-	No
N3_4	-	1	-	No
N3_5	-	1	-	No
N3_6	-	1	-	No
N3_7	-	1	-	No
N3_8	-	1	-	No
N3_9	-	1	-	No
N3_10	-	1	-	No
N3_11	-	1	-	No
N3_12	-	1	-	No
N3_13	-	1	-	No
N3_14	-	1	-	No
N3_15	-	1	-	No
N3_16	-	1	-	No

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
N3_17	-	1	-	No
N3_18	-	1	-	No
N3_19	-	1	-	No
N3_20	-	1	-	No
N3_21	-	1	-	No
N3_22	-	1	-	No
N3_23	-	1	-	No
N3_24	-	1	-	No
N3_25	-	1	-	No
N3_26	-	1	-	No
N3_27	-	1	-	No
N3_28	-	1	-	No
N3_29	-	1	-	No
N3_30	-	1	-	No
N3_31	-	1	-	No
N3_32	-	1	-	No
N3_33	-	1	-	No
N3_34	-	1	-	No
N3_35	-	1	-	No
N4_GF	-	1	-	No
N4_1	-	1	-	No
N4_2	-	1	-	No
N4_3	-	1	-	No
N4_4	-	1	-	No
N4_5	-	1	-	No
N4_6	-	1	-	No
N4_7	-	1	-	No
N4_8	-	1	-	No
N4_9	-	2	-	No
N4_10	-	2	-	No
N4_11	-	2	-	No
N4_12	-	2	-	No
N4_13	-	2	-	No
N4_14	-	2	-	No

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
N4_15	-	2	-	No
N4_16	-	2	-	No
N4_17	-	2	-	No
N4_18	-	2	-	No
N4_19	-	2	-	No
N4_20	-	2	-	No
N4_21	-	2	-	No
N4_22	-	2	-	No
N4_23	-	2	-	No
N4_24	-	2	-	No
N4_25	-	2	-	No
N4_26	-	2	-	No
N4_27	-	2	-	No
N4_28	-	2	-	No
N4_29	-	2	-	No
N4_30	-	2	-	No
N4_31	-	2	-	No
N4_32	-	2	-	No
N4_33	-	2	-	No
N4_34	-	2	-	No
N4_35	-	2	-	No
N5_GF	-	1	-	No
N5_1	-	1	-	No
N5_2	-	1	-	No
N5_3	-	1	-	No
N5_4	-	1	-	No
N5_5	-	1	-	No
N5_6	-	1	-	No
N5_7	-	1	-	No
N5_8	-	1	-	No
N5_9	-	2	-	No
N5_10	-	2	-	No
N5_11	-	2	-	No
N5_12	-	2	-	No

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
N5_13	-	2	-	No
N5_14	-	2	-	No
N5_15	-	2	-	No
N5_16	-	2	-	No
N5_17	-	2	-	No
N5_18	-	2	-	No
N5_19	-	2	-	No
N5_20	-	2	-	No
N5_21	-	2	-	No
N5_22	-	2	-	No
N5_23	-	2	-	No
N5_24	-	2	-	No
N5_25	-	2	-	No
N5_26	-	2	-	No
N5_27	-	2	-	No
N5_28	-	2	-	No
N5_29	-	2	-	No
N5_30	-	2	-	No
N5_31	-	2	-	No
N5_32	-	2	-	No
N5_33	-	2	-	No
N5_34	-	2	-	No
N5_35	-	2	-	No
N6_GF	-	1	-	No
N6_1	-	1	-	No
N6_2	-	1	-	No
N6_3	-	1	-	No
N6_4	-	1	-	No
N6_5	-	1	-	No
N6_6	-	1	-	No
N6_7	-	1	-	No
N6_8	-	1	-	No
N6_9	-	1	-	No
N6_10	-	1	-	No

Receptor ID	Without Development	With Development	Change (Days)	Exceed (Yes/No)
N6_11	-	1	-	No
N6_12	-	1	-	No
N6_13	-	1	-	No
N6_14	-	1	-	No
N6_15	-	1	-	No
N6_16	-	1	-	No
N6_17	-	1	-	No
N6_18	-	1	-	No
N6_19	-	1	-	No
N6_20	-	1	-	No
N6_21	-	1	-	No
N6_22	-	1	-	No
N6_23	-	1	-	No
N6_24	-	1	-	No
N6_25	-	1	-	No
N6_26	-	1	-	No
N6_27	-	1	-	No
N6_28	-	1	-	No
N6_29	-	1	-	No
N6_30	-	1	-	No
N6_31	-	1	-	No
N6_32	-	1	-	No
N6_33	-	1	-	No
N6_34	-	1	-	No
N6_35	-	1	-	No

Annual Mean PM_{2.5} Results

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
E1_GF	8.6	8.6	0.0	0.0	Negligible
E2_GF	8.3	8.3	0.0	0.0	Negligible
E2_1	8.2	8.2	0.0	0.0	Negligible
E3_GF	8.3	8.3	0.0	0.0	Negligible
E4_GF	8.5	8.5	0.0	0.0	Negligible

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
E4_4	8.1	8.1	0.0	0.0	Negligible
E5_1	8.7	8.7	0.0	0.0	Negligible
E5_4	8.3	8.3	0.0	0.0	Negligible
E6_GF	8.5	8.5	0.0	0.0	Negligible
E7_1	8.7	8.7	0.0	0.0	Negligible
E7_4	8.2	8.2	0.0	0.0	Negligible
E8_GF	8.9	8.9	0.0	0.0	Negligible
E9_GF	8.9	8.9	0.0	0.0	Negligible
E10_1	8.4	8.4	0.0	0.0	Negligible
E10_2	8.3	8.3	0.0	0.0	Negligible
E11_1	8.4	8.4	0.0	0.0	Negligible
E12_GF	8.4	8.4	0.0	0.0	Negligible
E13_GF	8.5	8.5	0.0	0.0	Negligible
E14_1	8.5	8.5	0.0	0.0	Negligible
E15_1	8.5	8.5	0.0	0.0	Negligible
E16_1	8.4	8.4	0.0	0.0	Negligible
N1_GF	-	7.9	-	-	No
N1_1	-	7.9	-	-	No
N1_2	-	7.8	-	-	No
N1_3	-	7.8	-	-	No
N1_4	-	7.8	-	-	No
N1_5	-	7.8	-	-	No
N1_6	-	7.8	-	-	No
N1_7	-	7.8	-	-	No
N1_8	-	7.8	-	-	No
N1_9	-	7.8	-	-	No
N1_10	-	7.7	-	-	No
N1_11	-	7.7	-	-	No
N1_12	-	7.7	-	-	No
N1_13	-	7.7	-	-	No
N1_14	-	7.7	-	-	No
N1_15	-	7.7	-	-	No
N1_16	-	7.7	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N1_17	-	7.7	-	-	No
N1_18	-	7.7	-	-	No
N1_19	-	7.7	-	-	No
N1_20	-	7.7	-	-	No
N1_21	-	7.7	-	-	No
N1_22	-	7.7	-	-	No
N1_23	-	7.7	-	-	No
N1_24	-	7.7	-	-	No
N1_25	-	7.7	-	-	No
N1_26	-	7.7	-	-	No
N1_27	-	7.7	-	-	No
N1_28	-	7.7	-	-	No
N1_29	-	7.7	-	-	No
N1_30	-	7.7	-	-	No
N1_31	-	7.7	-	-	No
N1_32	-	7.7	-	-	No
N1_33	-	7.7	-	-	No
N1_34	-	7.7	-	-	No
N1_35	-	7.7	-	-	No
N2_GF	-	7.9	-	-	No
N2_1	-	7.9	-	-	No
N2_2	-	7.8	-	-	No
N2_3	-	7.8	-	-	No
N2_4	-	7.8	-	-	No
N2_5	-	7.8	-	-	No
N2_6	-	7.8	-	-	No
N2_7	-	7.8	-	-	No
N2_8	-	7.8	-	-	No
N2_9	-	7.8	-	-	No
N2_10	-	7.7	-	-	No
N2_11	-	7.7	-	-	No
N2_12	-	7.7	-	-	No
N2_13	-	7.7	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N2_14	-	7.7	-	-	No
N2_15	-	7.7	-	-	No
N2_16	-	7.7	-	-	No
N2_17	-	7.7	-	-	No
N2_18	-	7.7	-	-	No
N2_19	-	7.7	-	-	No
N2_20	-	7.7	-	-	No
N2_21	-	7.7	-	-	No
N2_22	-	7.7	-	-	No
N2_23	-	7.7	-	-	No
N2_24	-	7.7	-	-	No
N2_25	-	7.7	-	-	No
N2_26	-	7.7	-	-	No
N2_27	-	7.7	-	-	No
N2_28	-	7.7	-	-	No
N2_29	-	7.7	-	-	No
N2_30	-	7.7	-	-	No
N2_31	-	7.7	-	-	No
N2_32	-	7.7	-	-	No
N2_33	-	7.7	-	-	No
N2_34	-	7.7	-	-	No
N2_35	-	7.7	-	-	No
N3_GF	-	8.3	-	-	No
N3_1	-	8.2	-	-	No
N3_2	-	8.2	-	-	No
N3_3	-	8.2	-	-	No
N3_4	-	8.2	-	-	No
N3_5	-	8.1	-	-	No
N3_6	-	8.1	-	-	No
N3_7	-	8.1	-	-	No
N3_8	-	8.1	-	-	No
N3_9	-	8.1	-	-	No
N3_10	-	8.1	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N3_11	-	8.1	-	-	No
N3_12	-	8.1	-	-	No
N3_13	-	8.1	-	-	No
N3_14	-	8.1	-	-	No
N3_15	-	8.1	-	-	No
N3_16	-	8.1	-	-	No
N3_17	-	8.1	-	-	No
N3_18	-	8.1	-	-	No
N3_19	-	8.1	-	-	No
N3_20	-	8.1	-	-	No
N3_21	-	8.1	-	-	No
N3_22	-	8.1	-	-	No
N3_23	-	8.1	-	-	No
N3_24	-	8.1	-	-	No
N3_25	-	8.1	-	-	No
N3_26	-	8.1	-	-	No
N3_27	-	8.1	-	-	No
N3_28	-	8.1	-	-	No
N3_29	-	8.1	-	-	No
N3_30	-	8.1	-	-	No
N3_31	-	8.1	-	-	No
N3_32	-	8.1	-	-	No
N3_33	-	8.1	-	-	No
N3_34	-	8.1	-	-	No
N3_35	-	8.1	-	-	No
N4_GF	-	7.9	-	-	No
N4_1	-	7.9	-	-	No
N4_2	-	7.8	-	-	No
N4_3	-	7.8	-	-	No
N4_4	-	7.8	-	-	No
N4_5	-	7.8	-	-	No
N4_6	-	7.8	-	-	No
N4_7	-	7.8	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N4_8	-	7.8	-	-	No
N4_9	-	7.8	-	-	No
N4_10	-	7.7	-	-	No
N4_11	-	7.7	-	-	No
N4_12	-	7.7	-	-	No
N4_13	-	7.7	-	-	No
N4_14	-	7.7	-	-	No
N4_15	-	7.7	-	-	No
N4_16	-	7.7	-	-	No
N4_17	-	7.7	-	-	No
N4_18	-	7.7	-	-	No
N4_19	-	7.7	-	-	No
N4_20	-	7.7	-	-	No
N4_21	-	7.7	-	-	No
N4_22	-	7.7	-	-	No
N4_23	-	7.7	-	-	No
N4_24	-	7.7	-	-	No
N4_25	-	7.7	-	-	No
N4_26	-	7.7	-	-	No
N4_27	-	7.7	-	-	No
N4_28	-	7.7	-	-	No
N4_29	-	7.7	-	-	No
N4_30	-	7.7	-	-	No
N4_31	-	7.7	-	-	No
N4_32	-	7.7	-	-	No
N4_33	-	7.7	-	-	No
N4_34	-	7.7	-	-	No
N4_35	-	7.7	-	-	No
N5_GF	-	7.9	-	-	No
N5_1	-	7.9	-	-	No
N5_2	-	7.8	-	-	No
N5_3	-	7.8	-	-	No
N5_4	-	7.8	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N5_5	-	7.8	-	-	No
N5_6	-	7.8	-	-	No
N5_7	-	7.8	-	-	No
N5_8	-	7.8	-	-	No
N5_9	-	7.8	-	-	No
N5_10	-	7.7	-	-	No
N5_11	-	7.7	-	-	No
N5_12	-	7.7	-	-	No
N5_13	-	7.7	-	-	No
N5_14	-	7.7	-	-	No
N5_15	-	7.7	-	-	No
N5_16	-	7.7	-	-	No
N5_17	-	7.7	-	-	No
N5_18	-	7.7	-	-	No
N5_19	-	7.7	-	-	No
N5_20	-	7.7	-	-	No
N5_21	-	7.7	-	-	No
N5_22	-	7.7	-	-	No
N5_23	-	7.7	-	-	No
N5_24	-	7.7	-	-	No
N5_25	-	7.7	-	-	No
N5_26	-	7.7	-	-	No
N5_27	-	7.7	-	-	No
N5_28	-	7.7	-	-	No
N5_29	-	7.7	-	-	No
N5_30	-	7.7	-	-	No
N5_31	-	7.7	-	-	No
N5_32	-	7.7	-	-	No
N5_33	-	7.7	-	-	No
N5_34	-	7.7	-	-	No
N5_35	-	7.7	-	-	No
N6_GF	-	8.4	-	-	No
N6_1	-	8.2	-	-	No

Receptor ID	Without Development	With Development	Change (µg/m³)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N6_2	-	8.2	-	-	No
N6_3	-	8.2	-	-	No
N6_4	-	8.2	-	-	No
N6_5	-	8.1	-	-	No
N6_6	-	8.1	-	-	No
N6_7	-	8.1	-	-	No
N6_8	-	8.1	-	-	No
N6_9	-	8.1	-	-	No
N6_10	-	8.1	-	-	No
N6_11	-	8.1	-	-	No
N6_12	-	8.1	-	-	No
N6_13	-	8.1	-	-	No
N6_14	-	8.1	-	-	No
N6_15	-	8.1	-	-	No
N6_16	-	8.1	-	-	No
N6_17	-	8.1	-	-	No
N6_18	-	8.1	-	-	No
N6_19	-	8.1	-	-	No
N6_20	-	8.1	-	-	No
N6_21	-	8.1	-	-	No
N6_22	-	8.1	-	-	No
N6_23	-	8.1	-	-	No
N6_24	-	8.1	-	-	No
N6_25	-	8.1	-	-	No
N6_26	-	8.1	-	-	No
N6_27	-	8.1	-	-	No
N6_28	-	8.1	-	-	No
N6_29	-	8.1	-	-	No
N6_30	-	8.1	-	-	No
N6_31	-	8.1	-	-	No
N6_32	-	8.1	-	-	No
N6_33	-	8.1	-	-	No
N6_34	-	8.1	-	-	No

Receptor ID	Without Development	With Development	Change ($\mu\text{g}/\text{m}^3$)	% Change Relative to Objective	Impact/ Exceed (Yes/No)
N6_35	-	8.1	-	-	No