

The background is a vibrant yellow. It is decorated with several abstract geometric shapes in shades of blue, teal, and white. These include circles, semi-circles, and rounded rectangular shapes, some of which are layered or overlapping. The shapes are scattered across the page, creating a modern and dynamic visual effect.

Appendix A21.3

Air Quality Cumulative Modelling Results

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Appendix A21.3: Air Quality Cumulative Modelling Results

This appendix provides all results produced by the detailed modelling of the local air quality traffic impacts associated with the cumulative construction and operational phases of the Proposed Scheme.

1. Construction Traffic Assessment

1.1 'Do Minimum' Scenario

Predicted annual mean concentrations of NO₂, PM₁₀, PM_{2.5} and the number of exceedances of the 24-hour PM₁₀ limit value objective, at all modelled existing air quality sensitive receptors in the cumulative 2024 DM scenario are listed in Table 1.1. Locations of these receptors are shown in Figure 7.6 to Figure 7.9 in Volume 3 of this EIAR.

Table 1.1: Predicted 2024 Do Minimum Cumulative Construction Pollutant Statistics At All Modelled Receptor Locations

Receptor	Receptor Location (ITM)	DM (2024)			No. of PM ₁₀ days > 50µg/m ³
		Annual Mean Conc. (µg/m ³)			
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713982,733049	22.7	14.4	10.3	<1
AQ2	713098,732306	23.4	14.5	10.2	<1
AQ3	715117,733489	24.2	14.6	10.4	<1
AQ4	715020,733263	24.3	14.7	10.4	<1
AQ5	715064,733787	31.8	15.6	11.0	1
AQ6	715032,733335	24.0	14.6	10.4	<1
AQ7	709967,729203	22.6	14.4	10.3	<1
AQ8	714894,733434	22.0	14.3	10.2	<1
AQ9	709995,729116	24.4	14.7	10.4	<1
AQ10	714981,733737	23.7	14.5	10.3	<1
AQ11	709589,728524	21.0	14.2	10.1	1
AQ12	713844,733170	21.5	14.3	10.2	1
AQ13	708273,727787	23.7	14.8	10.5	<1
AQ14	714269,733246	21.8	14.3	10.2	1
AQ15	711161,731453	22.9	14.5	10.2	<1
AQ16	710315,732026	25.8	14.9	10.6	<1
AQ17	714943,734088	24.1	14.6	10.4	<1
AQ18	713653,732038	25.7	14.9	10.5	<1
AQ19	711073,731665	23.0	14.5	10.3	<1
AQ20	711847,731861	26.7	14.9	10.5	<1
AQ21	711986,731890	23.5	14.5	10.3	<1
AQ22	714911,733502	25.5	15.0	10.6	<1
AQ23	713632,731991	21.8	14.3	10.2	<1
AQ24	708212,727603	22.3	14.5	10.3	<1
AQ25	713726,732044	24.1	14.6	10.4	<1
AQ26	713437,732489	27.5	15.0	10.6	<1
AQ27	712387,732100	23.8	14.6	10.3	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ28	715152,733778	25.2	14.7	10.5	<1
AQ29	711147,731588	21.8	14.3	10.2	<1
AQ30	711895,731365	21.1	14.2	10.1	1
AQ31	709515,728004	22.5	14.4	10.2	<1
AQ32	708720,728067	21.9	14.4	10.2	<1
AQ33	710186,731814	23.0	14.5	10.3	<1
AQ34	715010,733842	24.4	14.6	10.4	<1
AQ35	713377,732440	27.2	15.0	10.5	<1
AQ36	708228,727843	21.2	14.3	10.2	1
AQ37	714033,732488	21.1	14.2	10.1	1
AQ38	713891,732900	24.3	14.7	10.4	<1
AQ39	713142,732334	24.8	14.7	10.3	<1
AQ40	709826,729106	24.3	14.7	10.4	<1
AQ41	709812,729183	25.2	14.7	10.5	<1
AQ42	709832,729290	24.2	14.6	10.4	<1
AQ43	709840,729249	25.9	14.8	10.5	<1
AQ44	709782,729328	22.4	14.4	10.2	<1
AQ45	709907,729341	27.2	15.0	10.6	<1
AQ46	709795,729237	22.9	14.5	10.3	<1
AQ47	709666,728792	23.1	14.5	10.3	<1
AQ48	709682,728878	23.3	14.5	10.3	<1
AQ49	709680,728959	22.5	14.4	10.3	<1
AQ50	709691,729006	22.6	14.4	10.3	<1
AQ51	709698,729067	22.3	14.4	10.2	<1
AQ52	709730,729147	22.2	14.4	10.2	<1
AQ53	709751,729088	25.3	14.8	10.5	<1
AQ54	709784,729131	25.4	14.8	10.5	<1
AQ55	709779,729049	24.4	14.7	10.4	<1
AQ56	709743,729241	22.0	14.4	10.2	<1
AQ57	713940,733135	23.8	14.6	10.4	<1
AQ58	714097,733222	26.9	15.0	10.6	<1
AQ59	714047,733216	26.0	14.9	10.5	<1
AQ60	714072,733235	26.1	14.9	10.5	<1
AQ61	714400,733355	23.1	14.5	10.3	<1
AQ62	714183,733307	26.2	14.9	10.6	<1
AQ63	714122,733271	31.3	15.5	10.9	1
AQ64	714097,733260	27.0	15.0	10.6	<1
AQ65	713950,733076	26.0	14.9	10.6	<1
AQ66	713920,733080	26.3	15.0	10.6	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ67	713972,733108	25.8	14.9	10.6	<1
AQ68	713970,733167	24.0	14.6	10.4	<1
AQ69	714007,733184	25.3	14.8	10.5	<1
AQ70	713551,732602	26.7	15.0	10.6	<1
AQ71	713578,732585	25.0	14.8	10.5	<1
AQ72	713587,732626	25.4	14.8	10.5	<1
AQ73	713609,732606	25.1	14.8	10.5	<1
AQ74	713706,732687	25.8	14.8	10.5	<1
AQ75	713781,732826	28.7	15.1	10.7	<1
AQ76	713761,732742	25.1	14.7	10.4	<1
AQ77	713829,732828	27.4	14.9	10.6	<1
AQ78	713840,732860	29.4	15.2	10.8	<1
AQ79	713909,733056	24.6	14.7	10.4	<1
AQ80	713805,732857	32.4	15.6	11.0	1
AQ81	713815,732922	23.9	14.6	10.4	<1
AQ82	713877,732905	26.8	15.2	10.8	<1
AQ83	713884,732966	27.1	15.1	10.7	<1
AQ84	714335,733366	24.1	14.7	10.4	<1
AQ85	714389,733378	24.1	14.6	10.4	<1
AQ86	714301,733356	24.1	14.6	10.4	<1
AQ87	714468,733396	24.9	14.7	10.3	<1
AQ88	714437,733387	25.6	14.8	10.4	<1
AQ89	714254,733340	25.6	14.9	10.5	<1
AQ90	714888,733466	22.9	14.5	10.3	<1
AQ91	714936,733512	24.9	15.0	10.6	<1
AQ92	714903,733530	25.0	14.8	10.5	<1
AQ93	714595,733452	23.7	14.7	10.4	<1
AQ94	714670,733457	25.5	14.9	10.5	<1
AQ95	714694,733471	23.7	14.6	10.4	<1
AQ96	714743,733478	23.6	14.6	10.4	<1
AQ97	714829,733480	23.9	14.6	10.4	<1
AQ98	714775,733480	23.7	14.6	10.4	<1
AQ99	715080,733859	27.5	15.0	10.7	<1
AQ100	715039,733934	30.0	15.4	10.9	<1
AQ101	714530,733414	26.4	14.9	10.5	<1
AQ102	710834,730968	24.4	14.8	10.5	<1
AQ103	710804,730972	23.8	14.7	10.4	<1
AQ104	710937,730918	25.7	15.0	10.6	<1
AQ105	710898,730907	24.2	14.8	10.5	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ106	710870,730962	24.3	14.8	10.5	<1
AQ107	710949,730955	25.5	15.0	10.6	<1
AQ108	710824,731658	23.5	14.6	10.4	<1
AQ109	710861,731660	23.4	14.6	10.4	<1
AQ110	715042,733653	28.2	15.1	10.7	<1
AQ111	714995,733508	25.1	14.8	10.5	<1
AQ112	715029,733549	26.6	14.9	10.6	<1
AQ113	715008,733471	25.3	14.7	10.4	<1
AQ114	715108,733441	25.1	14.7	10.4	<1
AQ115	714984,733481	25.0	14.7	10.5	<1
AQ116	715018,733776	24.3	14.6	10.4	<1
AQ117	715038,733814	26.4	14.9	10.6	<1
AQ118	715064,733826	27.9	15.2	10.7	<1
AQ119	715034,733702	25.5	14.7	10.5	<1
AQ120	715065,733668	27.8	15.1	10.7	<1
AQ121	715065,733728	27.7	15.0	10.6	<1
AQ122	711327,731122	22.1	14.4	10.2	<1
AQ123	711396,731175	21.9	14.4	10.2	<1
AQ124	711417,731189	21.8	14.3	10.2	<1
AQ125	711314,731153	22.1	14.4	10.2	<1
AQ126	711333,731180	21.9	14.4	10.2	<1
AQ127	711377,731157	21.9	14.4	10.2	<1
AQ128	711445,731260	21.9	14.4	10.2	<1
AQ129	711462,731228	21.9	14.4	10.2	<1
AQ130	711472,731277	21.9	14.4	10.2	<1
AQ131	711503,731256	21.7	14.3	10.2	<1
AQ132	711420,731239	22.0	14.4	10.2	<1
AQ133	711318,731640	23.5	14.6	10.3	<1
AQ134	711314,731743	24.9	14.8	10.5	<1
AQ135	711348,731688	24.3	14.7	10.4	<1
AQ136	711341,731746	26.0	14.9	10.5	<1
AQ137	711364,731642	23.7	14.6	10.4	<1
AQ138	711381,731755	26.1	14.9	10.5	<1
AQ139	711453,731725	26.3	14.9	10.5	<1
AQ140	711534,731744	25.1	14.7	10.4	<1
AQ141	711563,731751	25.0	14.7	10.4	<1
AQ142	711502,731736	25.3	14.8	10.5	<1
AQ143	711524,731778	28.1	15.2	10.7	<1
AQ144	711614,731798	29.0	15.2	10.6	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ145	711738,731786	26.0	14.8	10.4	<1
AQ146	711654,731807	29.1	15.2	10.5	<1
AQ147	711599,731759	26.1	14.8	10.5	<1
AQ148	711630,731767	26.5	14.9	10.4	<1
AQ149	711565,731787	28.5	15.2	10.7	<1
AQ150	711767,731791	26.0	14.8	10.4	<1
AQ151	711855,731803	25.8	14.8	10.4	<1
AQ152	711867,731839	28.2	15.1	10.7	<1
AQ153	711739,731823	29.1	15.2	10.5	<1
AQ154	711194,731062	23.2	14.6	10.3	<1
AQ155	711218,731082	22.8	14.5	10.3	<1
AQ156	711279,731083	22.4	14.4	10.2	<1
AQ157	711284,731130	22.3	14.4	10.2	<1
AQ158	711255,731061	22.6	14.5	10.3	<1
AQ159	711509,731311	21.7	14.3	10.2	<1
AQ160	711554,731300	21.7	14.3	10.2	<1
AQ161	711564,731348	21.8	14.3	10.2	<1
AQ162	711612,731388	21.9	14.3	10.2	<1
AQ163	711646,731413	21.7	14.3	10.2	<1
AQ164	711722,731475	21.5	14.3	10.2	1
AQ165	711753,731496	21.6	14.3	10.2	1
AQ166	711657,731425	21.6	14.3	10.2	<1
AQ167	711292,731509	22.7	14.5	10.3	<1
AQ168	711306,731549	23.4	14.6	10.3	<1
AQ169	711327,731583	23.4	14.6	10.3	<1
AQ170	711784,731519	21.6	14.3	10.2	<1
AQ171	710961,730810	25.1	14.8	10.5	<1
AQ172	711036,730842	26.1	15.0	10.6	<1
AQ173	711010,730792	24.6	14.8	10.5	<1
AQ174	711012,730879	25.6	14.9	10.5	<1
AQ175	710986,730929	24.8	14.8	10.5	<1
AQ176	711000,730964	26.9	15.2	10.7	<1
AQ177	711128,731132	25.1	14.8	10.5	<1
AQ178	711149,731158	23.9	14.6	10.4	<1
AQ179	711073,731058	24.7	14.8	10.5	<1
AQ180	711118,731035	25.5	14.9	10.5	<1
AQ181	711174,731264	24.0	14.7	10.4	<1
AQ182	711127,731256	23.4	14.6	10.3	<1
AQ183	711096,731160	24.5	14.7	10.4	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ184	711085,731121	24.2	14.7	10.4	<1
AQ185	711103,731184	23.9	14.6	10.4	<1
AQ186	711145,730924	25.3	14.9	10.5	<1
AQ187	711099,730828	23.1	14.6	10.3	<1
AQ188	711165,731035	23.9	14.7	10.4	<1
AQ189	711175,730977	25.6	15.0	10.5	<1
AQ190	711193,731018	23.7	14.6	10.4	<1
AQ191	711205,731027	23.4	14.6	10.3	<1
AQ192	710885,731661	23.4	14.6	10.4	<1
AQ193	711256,731541	23.0	14.5	10.3	<1
AQ194	711275,731571	23.1	14.5	10.3	<1
AQ195	711208,731366	23.9	14.6	10.4	<1
AQ196	711151,731325	23.2	14.5	10.3	<1
AQ197	711191,731315	24.0	14.7	10.4	<1
AQ198	711228,731494	23.1	14.5	10.3	<1
AQ199	711220,731400	23.8	14.6	10.4	<1
AQ200	711196,731443	23.5	14.6	10.3	<1
AQ201	712454,732065	24.1	14.6	10.4	<1
AQ202	712465,732099	26.6	15.0	10.6	<1
AQ203	712588,732157	24.5	14.7	10.3	<1
AQ204	712657,732137	26.4	14.9	10.5	<1
AQ205	712515,732128	24.7	14.7	10.3	<1
AQ206	712557,732136	26.2	14.9	10.4	<1
AQ207	712853,732260	24.8	14.6	10.4	<1
AQ208	712895,732238	25.8	14.8	10.5	<1
AQ209	712703,732192	27.0	15.1	10.7	<1
AQ210	712726,732207	25.3	14.8	10.5	<1
AQ211	712765,732187	24.8	14.7	10.5	<1
AQ212	712807,732204	25.3	14.8	10.5	<1
AQ213	712933,732253	25.3	14.8	10.5	<1
AQ214	712998,732278	23.8	14.6	10.3	<1
AQ215	713040,732294	23.9	14.6	10.3	<1
AQ216	712939,732294	24.6	14.7	10.4	<1
AQ217	712936,731853	22.5	14.4	10.2	<1
AQ218	712887,731859	22.9	14.5	10.3	<1
AQ219	713010,731845	22.3	14.4	10.2	<1
AQ220	712981,731849	22.4	14.4	10.2	<1
AQ221	712673,731873	22.7	14.4	10.3	<1
AQ222	712702,731904	23.5	14.5	10.3	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days > $50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ223	712705,731850	22.4	14.4	10.2	<1
AQ224	712888,731890	23.8	14.6	10.4	<1
AQ225	712735,731903	24.3	14.7	10.4	<1
AQ226	712448,731863	22.6	14.4	10.3	<1
AQ227	712397,731882	23.6	14.6	10.3	<1
AQ228	712493,731891	23.5	14.6	10.3	<1
AQ229	712949,731886	23.4	14.6	10.3	<1
AQ230	712774,731868	24.3	14.7	10.4	<1
AQ231	712791,731903	24.4	14.7	10.4	<1
AQ232	712675,731917	24.0	14.6	10.3	<1
AQ233	712646,731921	23.3	14.5	10.3	<1
AQ234	712396,732043	24.4	14.7	10.4	<1
AQ235	712542,732099	24.2	14.7	10.3	<1
AQ236	712588,731906	23.0	14.5	10.3	<1
AQ237	712609,731878	23.0	14.5	10.3	<1
AQ238	712628,731873	22.9	14.4	10.3	<1
AQ239	712846,731895	24.9	14.8	10.5	<1
AQ240	712813,731837	22.2	14.4	10.2	<1
AQ241	712749,731854	24.7	14.7	10.5	<1
AQ242	712806,731866	24.0	14.6	10.4	<1
AQ243	712814,731897	25.4	14.8	10.5	<1
AQ244	712840,731859	23.0	14.5	10.3	<1
AQ245	713030,731876	23.8	14.6	10.3	<1
AQ246	712538,731871	22.6	14.4	10.3	<1
AQ247	711889,731601	21.8	14.3	10.2	<1
AQ248	711801,731533	21.6	14.3	10.2	1
AQ249	711843,731565	21.6	14.3	10.2	<1
AQ250	711965,731609	22.1	14.4	10.2	<1
AQ251	712003,731722	22.3	14.4	10.2	<1
AQ252	711945,731642	22.5	14.4	10.2	<1
AQ253	711938,731810	24.4	14.7	10.4	<1
AQ254	712044,731720	22.5	14.4	10.3	<1
AQ255	711975,731679	22.3	14.4	10.2	<1
AQ256	711896,731806	24.8	14.7	10.4	<1
AQ257	711961,731812	24.3	14.7	10.4	<1
AQ258	712026,731756	22.6	14.4	10.3	<1
AQ259	712027,731819	23.9	14.6	10.4	<1
AQ260	712042,731782	22.8	14.5	10.3	<1
AQ261	712055,731801	23.3	14.5	10.3	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ262	712093,731798	23.2	14.5	10.3	<1
AQ263	712085,731784	22.9	14.5	10.3	<1
AQ264	712264,731831	22.9	14.5	10.3	<1
AQ265	712192,731847	23.9	14.6	10.4	<1
AQ266	712330,731845	22.7	14.4	10.3	<1
AQ267	712272,731856	23.8	14.6	10.4	<1
AQ268	712345,731873	23.6	14.6	10.3	<1
AQ269	712133,731859	25.3	14.8	10.5	<1
AQ270	712161,731824	23.2	14.5	10.3	<1
AQ271	712160,731896	24.5	14.7	10.4	<1
AQ272	712185,731985	30.3	15.3	10.8	<1
AQ273	712192,731932	24.9	14.7	10.4	<1
AQ274	712287,731999	26.0	14.8	10.5	<1
AQ275	712228,732006	28.1	15.1	10.7	<1
AQ276	712240,731975	26.1	14.8	10.5	<1
AQ277	712252,732026	26.1	14.8	10.5	<1
AQ278	712334,732019	25.8	14.8	10.4	<1
AQ279	712416,732080	26.5	15.0	10.6	<1
AQ280	713212,732362	24.7	14.7	10.4	<1
AQ281	713242,731894	22.8	14.5	10.3	<1
AQ282	713296,731879	22.7	14.4	10.3	<1
AQ283	713319,731925	23.2	14.5	10.3	<1
AQ284	713327,732407	26.5	14.9	10.4	<1
AQ285	713310,732457	24.7	14.6	10.3	<1
AQ286	713332,732412	27.3	15.0	10.5	<1
AQ287	713345,732482	25.6	14.8	10.4	<1
AQ288	713271,731905	23.2	14.5	10.3	<1
AQ289	713279,731848	21.7	14.3	10.2	1
AQ290	713338,731866	21.8	14.3	10.2	<1
AQ291	713342,731904	23.0	14.5	10.3	<1
AQ292	713358,731937	23.8	14.6	10.4	<1
AQ293	713364,731937	24.3	14.7	10.4	<1
AQ294	713475,731780	21.4	14.3	10.1	1
AQ295	713497,731811	22.0	14.3	10.2	<1
AQ296	713453,731821	21.9	14.3	10.2	<1
AQ297	713353,731830	21.3	14.2	10.1	1
AQ298	713241,731852	22.4	14.4	10.2	<1
AQ299	713168,731872	24.4	14.6	10.4	<1
AQ300	713081,731877	23.3	14.5	10.3	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ301	713081,731843	22.6	14.4	10.2	<1
AQ302	713105,731839	22.4	14.4	10.2	<1
AQ303	713068,732335	26.1	14.9	10.4	<1
AQ304	713094,732345	26.1	14.9	10.4	<1
AQ305	713138,731872	24.0	14.6	10.4	<1
AQ306	713145,731840	22.6	14.4	10.2	<1
AQ307	713108,731897	22.4	14.4	10.2	<1
AQ308	713210,731879	23.7	14.6	10.3	<1
AQ309	713496,731723	20.9	14.2	10.1	1
AQ310	713429,731796	21.5	14.3	10.2	1
AQ311	714227,732376	22.8	14.5	10.3	<1
AQ312	714169,732263	22.5	14.4	10.2	<1
AQ313	714303,732465	23.8	14.6	10.4	<1
AQ314	714271,732496	23.6	14.6	10.3	<1
AQ315	714262,732437	22.8	14.4	10.3	<1
AQ316	714267,732372	22.7	14.4	10.3	<1
AQ317	714281,732393	22.8	14.4	10.3	<1
AQ318	708347,727670	22.3	14.4	10.2	<1
AQ319	709089,727746	21.6	14.3	10.2	<1
AQ320	708638,727689	21.0	14.2	10.1	1
AQ321	708908,727798	22.6	14.6	10.4	<1
AQ322	709457,727767	21.7	14.3	10.2	<1
AQ323	709513,727878	22.4	14.4	10.2	<1
AQ324	714137,732279	22.7	14.4	10.3	<1
AQ325	714146,732229	21.9	14.3	10.2	<1
AQ326	714225,732308	21.8	14.3	10.2	<1
AQ327	714182,732342	22.0	14.3	10.2	<1
AQ328	713996,732117	21.7	14.3	10.2	<1
AQ329	714023,732171	23.5	14.6	10.3	<1
AQ330	714054,732200	22.7	14.4	10.3	<1
AQ331	714082,732227	22.6	14.4	10.3	<1
AQ332	714088,732172	21.8	14.3	10.2	<1
AQ333	713476,732509	24.5	14.7	10.4	<1
AQ334	713386,731864	21.4	14.3	10.2	1
AQ335	713385,731920	22.9	14.5	10.3	<1
AQ336	713423,731841	21.5	14.3	10.2	1
AQ337	713423,731935	23.2	14.5	10.3	<1
AQ338	713418,731836	21.7	14.3	10.2	1
AQ339	713438,731973	24.4	14.7	10.4	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ340	713430,732002	23.2	14.5	10.3	<1
AQ341	713387,732488	29.3	15.2	10.7	<1
AQ342	713502,732567	26.9	15.1	10.6	<1
AQ343	713462,731924	23.0	14.5	10.3	<1
AQ344	713478,731886	22.6	14.4	10.3	<1
AQ345	713493,731854	22.2	14.4	10.2	<1
AQ346	713430,732518	27.2	15.0	10.6	<1
AQ347	713466,732543	26.9	15.0	10.6	<1
AQ348	713475,731990	25.2	14.8	10.5	<1
AQ349	713562,732015	23.9	14.6	10.4	<1
AQ350	713695,732060	23.6	14.6	10.3	<1
AQ351	713739,732071	24.1	14.6	10.4	<1
AQ352	713805,732098	23.0	14.5	10.3	<1
AQ353	713879,732062	21.4	14.3	10.2	1
AQ354	713770,732091	22.7	14.4	10.3	<1
AQ355	713943,732101	22.1	14.4	10.2	<1
AQ356	713851,732111	23.1	14.5	10.3	<1
AQ357	713892,732157	22.0	14.3	10.2	<1
AQ358	709204,727615	26.5	14.9	10.5	<1
AQ359	709175,727632	22.4	14.4	10.2	<1
AQ360	707886,728105	21.0	14.2	10.1	1
AQ361	708341,727471	23.8	14.5	10.3	<1
AQ362	708313,727433	23.5	14.5	10.3	<1
AQ363	708010,727943	21.5	14.3	10.2	1
AQ364	708295,727572	22.7	14.4	10.3	<1
AQ365	709263,727640	22.5	14.4	10.3	<1
AQ366	709433,727719	22.0	14.4	10.2	<1
AQ367	709363,727665	22.9	14.5	10.3	<1
AQ368	709453,727677	22.9	14.5	10.3	<1
AQ369	709612,728189	21.8	14.3	10.2	<1
AQ370	709718,728756	25.7	14.9	10.5	<1
AQ371	711920,730460	22.3	14.4	10.2	<1
AQ372	711952,730541	22.6	14.4	10.2	<1
AQ373	712037,730676	24.8	14.8	10.3	<1
AQ374	712216,730828	21.2	14.2	10.1	1
AQ375	712150,730959	24.6	14.7	10.4	<1
AQ376	712241,731097	25.2	14.8	10.5	<1
AQ377	712371,731206	22.8	14.5	10.2	<1
AQ378	712548,731286	22.6	14.4	10.3	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ379	712221,731310	23.3	14.5	10.3	<1
AQ380	712221,731454	22.1	14.4	10.1	<1
AQ381	712092,731439	22.6	14.4	10.3	<1
AQ382	712279,731488	22.1	14.3	10.1	<1
AQ383	712385,731653	21.8	14.3	10.2	<1
AQ384	712482,731744	21.9	14.3	10.2	<1
AQ385	712574,731805	22.0	14.3	10.2	<1
AQ386	712441,731697	21.9	14.3	10.2	<1
AQ387	711975,731522	22.4	14.4	10.2	<1
AQ388	712810,731339	22.4	14.4	10.1	<1
AQ389	712730,731354	22.8	14.4	10.2	<1
AQ390	712940,731416	21.6	14.3	10.1	1
AQ391	712859,731431	23.3	14.5	10.3	<1
AQ392	712860,731498	23.1	14.5	10.3	<1
AQ393	712824,731563	24.6	14.7	10.5	<1
AQ394	712770,731658	22.5	14.4	10.3	<1
AQ395	712772,731782	23.6	14.6	10.4	<1
AQ396	712737,731809	23.3	14.5	10.3	<1
AQ397	712293,732117	25.1	14.7	10.4	<1
AQ398	712265,732252	23.3	14.5	10.2	<1
AQ399	712043,732350	21.0	14.2	10.1	1
AQ400	711950,732447	20.8	14.2	10.1	1
AQ401	711983,732386	20.8	14.2	10.1	1
AQ402	711924,732498	20.7	14.1	10.1	1
AQ403	710154,732523	24.2	14.7	10.4	<1
AQ404	710107,732727	22.1	14.4	10.2	<1
AQ405	709982,729155	22.6	14.5	10.3	<1
AQ406	710287,729920	23.4	14.6	10.4	<1
AQ407	710360,730158	22.3	14.5	10.3	<1
AQ408	711201,730773	24.1	14.7	10.4	<1
AQ409	711235,730661	23.1	14.5	10.3	<1
AQ410	711407,730481	23.4	14.6	10.3	<1
AQ411	706459,731801	25.7	15.2	10.7	<1
AQ412	706519,731857	24.6	14.9	10.6	<1
AQ413	706717,732008	24.1	14.8	10.5	<1
AQ414	706643,732319	23.3	14.5	10.3	<1
AQ415	706666,732287	23.8	14.5	10.3	<1
AQ416	706780,732101	25.7	14.8	10.5	<1
AQ417	707029,732119	27.2	15.3	10.8	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ418	707281,732062	22.1	14.4	10.2	<1
AQ419	707950,732011	23.3	14.7	10.4	<1
AQ420	710199,731842	23.3	14.6	10.4	<1
AQ421	710634,731372	23.0	14.6	10.3	<1
AQ422	710789,731267	24.3	14.8	10.5	<1
AQ423	710792,731206	23.3	14.6	10.4	<1
AQ424	710896,731095	23.7	14.7	10.4	<1
AQ425	710969,731074	24.8	14.9	10.5	<1
AQ426	711183,730737	23.1	14.6	10.3	<1
AQ427	708088,727835	21.8	14.3	10.2	<1
AQ428	711703,730906	23.4	14.6	10.2	<1
AQ429	711385,730930	23.4	14.6	10.3	<1
AQ430	712372,730736	20.5	14.1	10.1	1
AQ431	712679,731978	24.0	14.6	10.3	<1
AQ432	712713,733250	22.9	14.4	10.2	<1
AQ433	714098,733444	24.1	14.6	10.4	<1
AQ434	714300,733648	22.9	14.4	10.3	<1
AQ435	714651,734058	24.1	14.7	10.4	<1
AQ436	714897,734062	24.7	14.8	10.5	<1
AQ437	715062,733342	25.6	14.9	10.5	<1
AQ438	715200,733392	25.8	14.8	10.5	<1
AQ439	714953,733379	22.1	14.3	10.2	<1
AQ440	714874,733213	21.4	14.3	10.2	1
AQ441	715015,733129	26.1	14.9	10.6	<1
AQ442	714886,732820	29.8	15.3	10.8	<1
AQ443	714168,733585	22.8	14.4	10.3	<1
AQ444	714711,734293	26.6	15.0	10.6	<1
AQ445	714817,734262	34.0	15.7	11.1	1
AQ446	714795,734086	28.4	15.6	11.0	1
AQ447	715239,732732	23.2	14.5	10.3	<1
AQ448	715031,732732	25.4	14.8	10.5	<1
AQ449	714985,732701	24.4	14.6	10.4	<1
AQ450	712140,731955	25.8	14.8	10.5	<1
AQ451	711028,731732	23.7	14.7	10.4	<1
AQ452	711576,732588	21.9	14.3	10.2	<1
AQ453	711523,732540	21.6	14.3	10.2	1
AQ454	711607,732761	22.2	14.3	10.2	<1
AQ455	707749,728609	20.9	14.2	10.1	1
AQ456	708137,728787	21.0	14.2	10.1	1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ457	707613,728293	21.3	14.3	10.2	1
AQ458	709725,729545	22.9	14.6	10.3	<1
AQ459	709509,729656	22.9	14.6	10.3	<1
AQ460	709392,729665	23.5	14.7	10.4	<1
AQ461	709295,729869	23.7	14.7	10.4	<1
AQ462	709060,730248	23.5	14.7	10.4	<1
AQ463	708394,731369	23.8	14.8	10.5	<1
AQ464	708493,731185	25.1	15.1	10.7	<1
AQ465	708329,731015	29.4	15.8	11.1	1
AQ466	708107,731841	23.8	14.8	10.5	<1
AQ467	707975,731634	25.4	14.9	10.6	<1
AQ468	707587,731211	22.2	14.4	10.3	<1
AQ469	707955,732557	25.6	15.1	10.7	<1
AQ470	707699,731990	24.9	14.8	10.5	<1
AQ471	707758,731863	25.9	15.0	10.6	<1
AQ472	709137,730103	23.6	14.7	10.4	<1
AQ473	708853,729304	22.5	14.5	10.2	<1
AQ474	708553,729077	22.5	14.4	10.3	<1
AQ475	708639,728797	25.1	14.9	10.5	<1
AQ476	708952,728846	22.0	14.4	10.2	<1
AQ477	708970,728796	21.8	14.3	10.2	<1
AQ478	709749,728804	23.2	14.5	10.3	<1
AQ479	709664,728827	27.3	15.1	10.7	<1
Air Quality Limit Value Objective		40	40	25	35

In the cumulative 2024 DM scenario annual mean concentrations of NO_2 are below the relevant national air quality limit value objective for all modelled receptors. Annual mean NO_2 concentrations did not exceed $60\mu\text{g}/\text{m}^3$, indicating that exceedances of the NO_2 1-hour mean are unlikely to occur. Annual mean PM_{10} concentrations are below the relevant national air quality limit value objective for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM_{10} concentration indicated that there is likely to be no more than three exceedance of the $50\mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean $\text{PM}_{2.5}$ concentrations are also below the relevant national air quality limit value objective for all modelled receptors.

1.2 'Do Something' Scenario

Predicted annual mean concentrations of NO_2 , PM_{10} , $\text{PM}_{2.5}$ and the number of exceedances of the 24 hour PM_{10} objective, at all modelled existing air quality sensitive receptors in the cumulative 2024 DS scenario are listed in

Table 1.2. Locations of these receptors are shown in Figures 7.6-7.9 in Volume 3 of this EIAR.

Table 1.2: Predicted Cumulative 2024 Do Something Construction Scenario Pollutant Statistics At All Modelled Receptor Locations

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m³)			No. of PM ₁₀ days > 50µg/m³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713982,733049	22.3	14.4	10.2	<1
AQ2	713098,732306	22.7	14.4	10.2	<1
AQ3	715117,733489	24.0	14.5	10.3	<1
AQ4	715020,733263	24.4	14.7	10.4	<1
AQ5	715064,733787	31.1	15.5	10.9	1
AQ6	715032,733335	24.0	14.6	10.4	<1
AQ7	709967,729203	22.2	14.4	10.2	<1
AQ8	714894,733434	21.8	14.3	10.2	1
AQ9	709995,729116	23.9	14.6	10.4	<1
AQ10	714981,733737	23.5	14.5	10.3	<1
AQ11	709589,728524	20.8	14.2	10.1	1
AQ12	713844,733170	21.4	14.2	10.1	1
AQ13	708273,727787	23.0	14.6	10.3	<1
AQ14	714269,733246	21.6	14.3	10.2	1
AQ15	711161,731453	22.7	14.4	10.3	<1
AQ16	710315,732026	25.4	14.8	10.5	<1
AQ17	714943,734088	24.1	14.6	10.4	<1
AQ18	713653,732038	28.1	15.2	10.8	<1
AQ19	711073,731665	22.8	14.5	10.3	<1
AQ20	711847,731861	26.5	14.8	10.5	<1
AQ21	711986,731890	23.3	14.5	10.3	<1
AQ22	714911,733502	24.6	14.7	10.3	<1
AQ23	713632,731991	22.4	14.4	10.2	<1
AQ24	708212,727603	22.0	14.5	10.2	<1
AQ25	713726,732044	25.9	14.9	10.5	<1
AQ26	713437,732489	26.6	14.7	10.5	<1
AQ27	712387,732100	23.5	14.5	10.3	<1
AQ28	715152,733778	25.0	14.7	10.4	<1
AQ29	711147,731588	21.7	14.3	10.2	<1
AQ30	711895,731365	21.1	14.2	10.1	1
AQ31	709515,728004	21.9	14.3	10.2	<1
AQ32	708720,728067	21.9	14.4	10.2	<1
AQ33	710186,731814	22.8	14.5	10.3	<1
AQ34	715010,733842	24.4	14.6	10.4	<1
AQ35	713377,732440	26.3	14.8	10.5	<1
AQ36	708228,727843	21.1	14.2	10.1	1
AQ37	714033,732488	21.2	14.2	10.1	1
AQ38	713891,732900	23.5	14.6	10.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ39	713142,732334	23.6	14.5	10.3	<1
AQ40	709826,729106	23.0	14.5	10.3	<1
AQ41	709812,729183	23.6	14.5	10.3	<1
AQ42	709832,729290	23.0	14.5	10.3	<1
AQ43	709840,729249	23.9	14.6	10.4	<1
AQ44	709782,729328	22.0	14.4	10.2	<1
AQ45	709907,729341	24.9	14.7	10.5	<1
AQ46	709795,729237	22.2	14.4	10.2	<1
AQ47	709666,728792	22.4	14.4	10.2	<1
AQ48	709682,728878	22.5	14.4	10.3	<1
AQ49	709680,728959	21.9	14.3	10.2	<1
AQ50	709691,729006	21.9	14.3	10.2	<1
AQ51	709698,729067	21.7	14.3	10.2	<1
AQ52	709730,729147	21.7	14.3	10.2	<1
AQ53	709751,729088	23.6	14.6	10.3	<1
AQ54	709784,729131	23.7	14.6	10.3	<1
AQ55	709779,729049	23.0	14.5	10.3	<1
AQ56	709743,729241	21.6	14.3	10.2	<1
AQ57	713940,733135	23.1	14.5	10.3	<1
AQ58	714097,733222	25.5	14.8	10.5	<1
AQ59	714047,733216	24.8	14.7	10.4	<1
AQ60	714072,733235	24.9	14.7	10.4	<1
AQ61	714400,733355	22.5	14.4	10.3	<1
AQ62	714183,733307	24.9	14.7	10.5	<1
AQ63	714122,733271	29.1	15.2	10.8	<1
AQ64	714097,733260	25.6	14.8	10.5	<1
AQ65	713950,733076	24.8	14.8	10.5	<1
AQ66	713920,733080	25.0	14.8	10.5	<1
AQ67	713972,733108	24.6	14.8	10.5	<1
AQ68	713970,733167	23.3	14.5	10.3	<1
AQ69	714007,733184	24.3	14.7	10.4	<1
AQ70	713551,732602	25.4	14.7	10.5	<1
AQ71	713578,732585	24.0	14.6	10.3	<1
AQ72	713587,732626	24.5	14.6	10.4	<1
AQ73	713609,732606	24.2	14.6	10.4	<1
AQ74	713706,732687	25.0	14.7	10.4	<1
AQ75	713781,732826	27.2	14.9	10.5	<1
AQ76	713761,732742	24.1	14.6	10.4	<1
AQ77	713829,732828	26.5	14.8	10.5	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ78	713840,732860	28.0	15.0	10.6	<1
AQ79	713909,733056	23.8	14.6	10.4	<1
AQ80	713805,732857	30.8	15.4	10.9	<1
AQ81	713815,732922	23.4	14.5	10.3	<1
AQ82	713877,732905	25.3	15.0	10.5	<1
AQ83	713884,732966	25.7	14.9	10.5	<1
AQ84	714335,733366	23.3	14.5	10.3	<1
AQ85	714389,733378	23.2	14.5	10.3	<1
AQ86	714301,733356	23.3	14.5	10.3	<1
AQ87	714468,733396	23.9	14.6	10.4	<1
AQ88	714437,733387	24.4	14.7	10.4	<1
AQ89	714254,733340	24.4	14.7	10.4	<1
AQ90	714888,733466	22.5	14.4	10.2	<1
AQ91	714936,733512	24.1	14.7	10.3	<1
AQ92	714903,733530	24.2	14.6	10.3	<1
AQ93	714595,733452	23.4	14.6	10.3	<1
AQ94	714670,733457	24.2	14.7	10.4	<1
AQ95	714694,733471	22.9	14.5	10.3	<1
AQ96	714743,733478	22.7	14.4	10.3	<1
AQ97	714829,733480	23.0	14.5	10.3	<1
AQ98	714775,733480	22.8	14.5	10.3	<1
AQ99	715080,733859	27.2	15.0	10.6	<1
AQ100	715039,733934	29.5	15.2	10.8	<1
AQ101	714530,733414	25.2	14.7	10.4	<1
AQ102	710834,730968	25.2	15.0	10.6	<1
AQ103	710804,730972	24.3	14.8	10.5	<1
AQ104	710937,730918	26.4	15.2	10.7	<1
AQ105	710898,730907	24.7	14.9	10.5	<1
AQ106	710870,730962	24.9	14.9	10.6	<1
AQ107	710949,730955	26.1	15.1	10.7	<1
AQ108	710824,731658	23.2	14.6	10.4	<1
AQ109	710861,731660	23.1	14.6	10.4	<1
AQ110	715042,733653	27.4	15.0	10.6	<1
AQ111	714995,733508	24.9	14.6	10.3	<1
AQ112	715029,733549	25.9	14.8	10.5	<1
AQ113	715008,733471	25.1	14.6	10.4	<1
AQ114	715108,733441	24.4	14.6	10.4	<1
AQ115	714984,733481	24.9	14.6	10.3	<1
AQ116	715018,733776	24.0	14.6	10.4	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ117	715038,733814	26.1	14.9	10.6	<1
AQ118	715064,733826	27.5	15.1	10.7	<1
AQ119	715034,733702	25.1	14.7	10.4	<1
AQ120	715065,733668	27.1	15.0	10.6	<1
AQ121	715065,733728	27.1	14.9	10.6	<1
AQ122	711327,731122	21.9	14.4	10.2	<1
AQ123	711396,731175	21.7	14.3	10.2	<1
AQ124	711417,731189	21.6	14.3	10.2	<1
AQ125	711314,731153	21.9	14.4	10.2	<1
AQ126	711333,731180	21.8	14.3	10.2	<1
AQ127	711377,731157	21.7	14.3	10.2	<1
AQ128	711445,731260	21.8	14.3	10.2	<1
AQ129	711462,731228	21.8	14.3	10.2	<1
AQ130	711472,731277	21.8	14.3	10.2	<1
AQ131	711503,731256	21.6	14.3	10.2	<1
AQ132	711420,731239	21.9	14.4	10.2	<1
AQ133	711318,731640	23.4	14.5	10.3	<1
AQ134	711314,731743	24.6	14.7	10.4	<1
AQ135	711348,731688	24.1	14.6	10.4	<1
AQ136	711341,731746	25.7	14.8	10.5	<1
AQ137	711364,731642	23.6	14.6	10.4	<1
AQ138	711381,731755	25.8	14.8	10.5	<1
AQ139	711453,731725	26.3	14.8	10.5	<1
AQ140	711534,731744	25.3	14.7	10.4	<1
AQ141	711563,731751	25.2	14.7	10.4	<1
AQ142	711502,731736	25.5	14.7	10.5	<1
AQ143	711524,731778	28.5	15.1	10.7	<1
AQ144	711614,731798	28.7	15.1	10.7	<1
AQ145	711738,731786	25.6	14.8	10.5	<1
AQ146	711654,731807	28.5	15.1	10.7	<1
AQ147	711599,731759	26.0	14.8	10.5	<1
AQ148	711630,731767	26.2	14.8	10.5	<1
AQ149	711565,731787	28.8	15.1	10.7	<1
AQ150	711767,731791	25.6	14.8	10.5	<1
AQ151	711855,731803	25.3	14.7	10.4	<1
AQ152	711867,731839	27.6	15.0	10.6	<1
AQ153	711739,731823	28.4	15.1	10.7	<1
AQ154	711194,731062	22.8	14.5	10.3	<1
AQ155	711218,731082	22.5	14.5	10.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days > $50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ156	711279,731083	22.2	14.4	10.2	<1
AQ157	711284,731130	22.1	14.4	10.2	<1
AQ158	711255,731061	22.3	14.4	10.3	<1
AQ159	711509,731311	21.6	14.3	10.2	<1
AQ160	711554,731300	21.6	14.3	10.2	<1
AQ161	711564,731348	21.7	14.3	10.2	<1
AQ162	711612,731388	21.7	14.3	10.2	<1
AQ163	711646,731413	21.6	14.3	10.2	<1
AQ164	711722,731475	21.4	14.3	10.2	1
AQ165	711753,731496	21.5	14.3	10.2	1
AQ166	711657,731425	21.5	14.3	10.2	1
AQ167	711292,731509	22.6	14.5	10.3	<1
AQ168	711306,731549	23.3	14.5	10.3	<1
AQ169	711327,731583	23.3	14.6	10.3	<1
AQ170	711784,731519	21.5	14.3	10.2	1
AQ171	710961,730810	24.4	14.7	10.4	<1
AQ172	711036,730842	25.3	14.8	10.5	<1
AQ173	711010,730792	24.0	14.6	10.4	<1
AQ174	711012,730879	24.9	14.7	10.5	<1
AQ175	710986,730929	24.9	14.8	10.5	<1
AQ176	711000,730964	27.1	15.2	10.8	<1
AQ177	711128,731132	24.9	14.8	10.5	<1
AQ178	711149,731158	23.7	14.6	10.4	<1
AQ179	711073,731058	24.3	14.7	10.4	<1
AQ180	711118,731035	25.0	14.8	10.5	<1
AQ181	711174,731264	23.9	14.6	10.4	<1
AQ182	711127,731256	23.3	14.5	10.3	<1
AQ183	711096,731160	24.4	14.7	10.4	<1
AQ184	711085,731121	24.0	14.7	10.4	<1
AQ185	711103,731184	23.8	14.6	10.4	<1
AQ186	711145,730924	24.7	14.8	10.5	<1
AQ187	711099,730828	22.9	14.5	10.3	<1
AQ188	711165,731035	23.5	14.6	10.4	<1
AQ189	711175,730977	24.9	14.8	10.5	<1
AQ190	711193,731018	23.3	14.6	10.4	<1
AQ191	711205,731027	23.0	14.5	10.3	<1
AQ192	710885,731661	23.2	14.6	10.4	<1
AQ193	711256,731541	22.9	14.5	10.3	<1
AQ194	711275,731571	23.0	14.5	10.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $> 50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ195	711208,731366	23.8	14.6	10.4	<1
AQ196	711151,731325	23.1	14.5	10.3	<1
AQ197	711191,731315	23.9	14.6	10.4	<1
AQ198	711228,731494	23.0	14.5	10.3	<1
AQ199	711220,731400	23.7	14.6	10.4	<1
AQ200	711196,731443	23.4	14.6	10.3	<1
AQ201	712454,732065	23.7	14.5	10.3	<1
AQ202	712465,732099	25.7	14.7	10.5	<1
AQ203	712588,732157	23.6	14.5	10.3	<1
AQ204	712657,732137	25.2	14.7	10.5	<1
AQ205	712515,732128	23.9	14.5	10.3	<1
AQ206	712557,732136	25.0	14.7	10.4	<1
AQ207	712853,732260	23.6	14.5	10.3	<1
AQ208	712895,732238	24.8	14.6	10.4	<1
AQ209	712703,732192	24.7	14.8	10.5	<1
AQ210	712726,732207	23.6	14.6	10.4	<1
AQ211	712765,732187	23.3	14.6	10.3	<1
AQ212	712807,732204	23.6	14.6	10.3	<1
AQ213	712933,732253	24.2	14.5	10.3	<1
AQ214	712998,732278	23.0	14.4	10.3	<1
AQ215	713040,732294	22.9	14.4	10.3	<1
AQ216	712939,732294	23.6	14.5	10.3	<1
AQ217	712936,731853	23.2	14.5	10.3	<1
AQ218	712887,731859	23.7	14.6	10.4	<1
AQ219	713010,731845	23.0	14.5	10.3	<1
AQ220	712981,731849	23.1	14.5	10.3	<1
AQ221	712673,731873	23.5	14.5	10.3	<1
AQ222	712702,731904	25.0	14.7	10.5	<1
AQ223	712705,731850	23.0	14.5	10.3	<1
AQ224	712888,731890	24.9	14.8	10.5	<1
AQ225	712735,731903	25.8	14.9	10.5	<1
AQ226	712448,731863	23.1	14.5	10.3	<1
AQ227	712397,731882	24.3	14.7	10.4	<1
AQ228	712493,731891	24.1	14.6	10.4	<1
AQ229	712949,731886	24.4	14.7	10.4	<1
AQ230	712774,731868	25.5	14.8	10.5	<1
AQ231	712791,731903	25.7	14.9	10.5	<1
AQ232	712675,731917	24.6	14.7	10.4	<1
AQ233	712646,731921	23.7	14.6	10.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days > $50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ234	712396,732043	23.9	14.5	10.3	<1
AQ235	712542,732099	23.5	14.5	10.3	<1
AQ236	712588,731906	23.5	14.5	10.3	<1
AQ237	712609,731878	23.6	14.6	10.3	<1
AQ238	712628,731873	23.7	14.6	10.3	<1
AQ239	712846,731895	26.4	15.0	10.6	<1
AQ240	712813,731837	22.8	14.4	10.3	<1
AQ241	712749,731854	25.8	14.9	10.5	<1
AQ242	712806,731866	25.2	14.8	10.5	<1
AQ243	712814,731897	27.1	15.1	10.7	<1
AQ244	712840,731859	23.8	14.6	10.4	<1
AQ245	713030,731876	25.3	14.8	10.5	<1
AQ246	712538,731871	23.1	14.5	10.3	<1
AQ247	711889,731601	21.7	14.3	10.2	<1
AQ248	711801,731533	21.5	14.3	10.2	1
AQ249	711843,731565	21.5	14.3	10.2	1
AQ250	711965,731609	22.0	14.4	10.2	<1
AQ251	712003,731722	22.3	14.4	10.2	<1
AQ252	711945,731642	22.4	14.4	10.3	<1
AQ253	711938,731810	24.1	14.6	10.4	<1
AQ254	712044,731720	22.4	14.4	10.3	<1
AQ255	711975,731679	22.2	14.4	10.2	<1
AQ256	711896,731806	24.4	14.6	10.4	<1
AQ257	711961,731812	24.0	14.6	10.4	<1
AQ258	712026,731756	22.5	14.4	10.3	<1
AQ259	712027,731819	23.7	14.6	10.4	<1
AQ260	712042,731782	22.7	14.5	10.3	<1
AQ261	712055,731801	23.2	14.5	10.3	<1
AQ262	712093,731798	23.1	14.5	10.3	<1
AQ263	712085,731784	22.8	14.5	10.3	<1
AQ264	712264,731831	23.4	14.5	10.3	<1
AQ265	712192,731847	24.5	14.7	10.4	<1
AQ266	712330,731845	23.2	14.5	10.3	<1
AQ267	712272,731856	24.5	14.7	10.4	<1
AQ268	712345,731873	24.3	14.7	10.4	<1
AQ269	712133,731859	25.6	14.8	10.5	<1
AQ270	712161,731824	23.5	14.5	10.3	<1
AQ271	712160,731896	24.3	14.6	10.4	<1
AQ272	712185,731985	29.5	15.2	10.7	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ273	712192,731932	24.7	14.6	10.4	<1
AQ274	712287,731999	25.1	14.7	10.4	<1
AQ275	712228,732006	26.8	14.9	10.6	<1
AQ276	712240,731975	25.2	14.7	10.4	<1
AQ277	712252,732026	25.2	14.7	10.4	<1
AQ278	712334,732019	25.1	14.6	10.4	<1
AQ279	712416,732080	25.6	14.7	10.5	<1
AQ280	713212,732362	23.7	14.5	10.3	<1
AQ281	713242,731894	23.8	14.6	10.4	<1
AQ282	713296,731879	23.4	14.5	10.3	<1
AQ283	713319,731925	24.2	14.6	10.4	<1
AQ284	713327,732407	25.6	14.8	10.5	<1
AQ285	713310,732457	23.9	14.5	10.3	<1
AQ286	713332,732412	26.1	14.8	10.5	<1
AQ287	713345,732482	25.3	14.7	10.4	<1
AQ288	713271,731905	24.2	14.6	10.4	<1
AQ289	713279,731848	22.0	14.3	10.2	<1
AQ290	713338,731866	22.2	14.4	10.2	<1
AQ291	713342,731904	24.0	14.6	10.4	<1
AQ292	713358,731937	25.1	14.7	10.5	<1
AQ293	713364,731937	25.7	14.8	10.5	<1
AQ294	713475,731780	21.6	14.3	10.2	1
AQ295	713497,731811	22.2	14.4	10.2	<1
AQ296	713453,731821	22.2	14.4	10.2	<1
AQ297	713353,731830	21.5	14.3	10.2	1
AQ298	713241,731852	23.1	14.5	10.3	<1
AQ299	713168,731872	25.8	14.8	10.5	<1
AQ300	713081,731877	24.5	14.6	10.4	<1
AQ301	713081,731843	23.5	14.5	10.3	<1
AQ302	713105,731839	23.2	14.5	10.3	<1
AQ303	713068,732335	24.1	14.6	10.4	<1
AQ304	713094,732345	24.2	14.6	10.4	<1
AQ305	713138,731872	25.2	14.7	10.5	<1
AQ306	713145,731840	23.3	14.5	10.3	<1
AQ307	713108,731897	22.9	14.4	10.3	<1
AQ308	713210,731879	24.9	14.7	10.5	<1
AQ309	713496,731723	21.0	14.2	10.1	1
AQ310	713429,731796	21.7	14.3	10.2	1
AQ311	714227,732376	24.0	14.6	10.4	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days > $50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ312	714169,732263	23.6	14.6	10.3	<1
AQ313	714303,732465	25.1	14.8	10.5	<1
AQ314	714271,732496	24.4	14.7	10.4	<1
AQ315	714262,732437	23.8	14.6	10.4	<1
AQ316	714267,732372	23.7	14.6	10.4	<1
AQ317	714281,732393	23.9	14.6	10.4	<1
AQ318	708347,727670	22.2	14.3	10.2	<1
AQ319	709089,727746	21.7	14.3	10.2	<1
AQ320	708638,727689	21.0	14.2	10.1	1
AQ321	708908,727798	22.9	14.7	10.3	<1
AQ322	709457,727767	21.5	14.3	10.2	1
AQ323	709513,727878	21.9	14.3	10.2	<1
AQ324	714137,732279	23.8	14.6	10.4	<1
AQ325	714146,732229	22.7	14.4	10.3	<1
AQ326	714225,732308	22.5	14.4	10.3	<1
AQ327	714182,732342	22.7	14.4	10.3	<1
AQ328	713996,732117	22.3	14.4	10.2	<1
AQ329	714023,732171	24.9	14.8	10.5	<1
AQ330	714054,732200	23.8	14.6	10.4	<1
AQ331	714082,732227	23.7	14.6	10.4	<1
AQ332	714088,732172	22.5	14.4	10.3	<1
AQ333	713476,732509	23.8	14.5	10.3	<1
AQ334	713386,731864	21.7	14.3	10.2	1
AQ335	713385,731920	23.7	14.6	10.4	<1
AQ336	713423,731841	21.8	14.3	10.2	<1
AQ337	713423,731935	24.1	14.6	10.4	<1
AQ338	713418,731836	21.9	14.3	10.2	<1
AQ339	713438,731973	25.4	14.8	10.5	<1
AQ340	713430,732002	23.6	14.6	10.3	<1
AQ341	713387,732488	28.6	15.0	10.6	<1
AQ342	713502,732567	25.5	14.7	10.5	<1
AQ343	713462,731924	23.6	14.6	10.4	<1
AQ344	713478,731886	22.9	14.5	10.3	<1
AQ345	713493,731854	22.5	14.4	10.3	<1
AQ346	713430,732518	26.2	14.8	10.5	<1
AQ347	713466,732543	25.6	14.7	10.5	<1
AQ348	713475,731990	26.2	14.9	10.6	<1
AQ349	713562,732015	25.4	14.8	10.5	<1
AQ350	713695,732060	25.1	14.8	10.5	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No. of PM ₁₀ days > 50µg/m ³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ351	713739,732071	25.9	14.9	10.5	<1
AQ352	713805,732098	24.3	14.7	10.4	<1
AQ353	713879,732062	21.8	14.3	10.2	<1
AQ354	713770,732091	23.8	14.6	10.4	<1
AQ355	713943,732101	22.8	14.5	10.3	<1
AQ356	713851,732111	24.5	14.7	10.4	<1
AQ357	713892,732157	22.6	14.4	10.3	<1
AQ358	709204,727615	26.2	14.9	10.5	<1
AQ359	709175,727632	22.3	14.4	10.2	<1
AQ360	707886,728105	21.0	14.2	10.1	1
AQ361	708341,727471	23.7	14.5	10.3	<1
AQ362	708313,727433	23.6	14.5	10.3	<1
AQ363	708010,727943	21.5	14.3	10.2	1
AQ364	708295,727572	22.6	14.4	10.2	<1
AQ365	709263,727640	22.5	14.4	10.3	<1
AQ366	709433,727719	21.9	14.3	10.2	<1
AQ367	709363,727665	22.9	14.5	10.3	<1
AQ368	709453,727677	22.8	14.5	10.3	<1
AQ369	709612,728189	21.2	14.2	10.1	1
AQ370	709718,728756	23.7	14.5	10.3	<1
AQ371	711920,730460	23.0	14.5	10.3	<1
AQ372	711952,730541	23.2	14.5	10.3	<1
AQ373	712037,730676	25.9	15.0	10.6	<1
AQ374	712216,730828	21.3	14.2	10.2	1
AQ375	712150,730959	25.0	14.8	10.5	<1
AQ376	712241,731097	26.0	14.9	10.6	<1
AQ377	712371,731206	23.1	14.5	10.3	<1
AQ378	712548,731286	22.9	14.5	10.3	<1
AQ379	712221,731310	23.9	14.6	10.4	<1
AQ380	712221,731454	22.7	14.4	10.3	<1
AQ381	712092,731439	22.6	14.4	10.3	<1
AQ382	712279,731488	22.7	14.4	10.3	<1
AQ383	712385,731653	22.4	14.4	10.2	<1
AQ384	712482,731744	22.5	14.4	10.2	<1
AQ385	712574,731805	22.6	14.4	10.2	<1
AQ386	712441,731697	22.6	14.4	10.2	<1
AQ387	711975,731522	22.4	14.4	10.2	<1
AQ388	712810,731339	22.6	14.4	10.2	<1
AQ389	712730,731354	23.1	14.5	10.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days > $50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ390	712940,731416	21.8	14.3	10.2	1
AQ391	712859,731431	23.6	14.6	10.4	<1
AQ392	712860,731498	23.5	14.6	10.3	<1
AQ393	712824,731563	25.1	14.8	10.5	<1
AQ394	712770,731658	22.8	14.5	10.3	<1
AQ395	712772,731782	24.3	14.7	10.4	<1
AQ396	712737,731809	24.0	14.6	10.4	<1
AQ397	712293,732117	25.5	14.8	10.5	<1
AQ398	712265,732252	23.9	14.6	10.4	<1
AQ399	712043,732350	21.0	14.2	10.1	1
AQ400	711950,732447	21.0	14.2	10.1	1
AQ401	711983,732386	20.9	14.2	10.1	1
AQ402	711924,732498	20.8	14.1	10.1	1
AQ403	710154,732523	23.3	14.5	10.3	<1
AQ404	710107,732727	21.7	14.3	10.2	<1
AQ405	709982,729155	22.3	14.4	10.2	<1
AQ406	710287,729920	22.9	14.5	10.3	<1
AQ407	710360,730158	22.0	14.4	10.2	<1
AQ408	711201,730773	24.1	14.7	10.4	<1
AQ409	711235,730661	23.0	14.5	10.3	<1
AQ410	711407,730481	23.4	14.6	10.3	<1
AQ411	706459,731801	25.8	15.2	10.7	<1
AQ412	706519,731857	24.7	15.0	10.6	<1
AQ413	706717,732008	24.1	14.8	10.5	<1
AQ414	706643,732319	23.4	14.5	10.3	<1
AQ415	706666,732287	23.9	14.5	10.3	<1
AQ416	706780,732101	25.9	14.8	10.5	<1
AQ417	707029,732119	27.2	15.3	10.8	<1
AQ418	707281,732062	22.1	14.4	10.3	<1
AQ419	707950,732011	23.4	14.7	10.4	<1
AQ420	710199,731842	23.1	14.6	10.3	<1
AQ421	710634,731372	22.1	14.4	10.2	<1
AQ422	710789,731267	22.7	14.5	10.3	<1
AQ423	710792,731206	22.3	14.5	10.3	<1
AQ424	710896,731095	22.8	14.5	10.3	<1
AQ425	710969,731074	23.5	14.6	10.4	<1
AQ426	711183,730737	23.0	14.5	10.3	<1
AQ427	708088,727835	21.8	14.3	10.2	<1
AQ428	711703,730906	23.0	14.6	10.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days > $50\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ429	711385,730930	23.0	14.6	10.3	<1
AQ430	712372,730736	20.5	14.1	10.1	1
AQ431	712679,731978	24.0	14.6	10.4	<1
AQ432	712713,733250	23.4	14.5	10.3	<1
AQ433	714098,733444	23.6	14.5	10.3	<1
AQ434	714300,733648	22.8	14.4	10.3	<1
AQ435	714651,734058	24.5	14.7	10.4	<1
AQ436	714897,734062	24.7	14.8	10.4	<1
AQ437	715062,733342	25.5	14.9	10.5	<1
AQ438	715200,733392	25.1	14.7	10.4	<1
AQ439	714953,733379	22.0	14.3	10.2	<1
AQ440	714874,733213	21.5	14.3	10.1	1
AQ441	715015,733129	26.1	14.9	10.6	<1
AQ442	714886,732820	29.6	15.3	10.8	<1
AQ443	714168,733585	22.9	14.4	10.3	<1
AQ444	714711,734293	26.6	15.0	10.6	<1
AQ445	714817,734262	33.3	15.7	11.0	1
AQ446	714795,734086	28.2	15.5	10.7	1
AQ447	715239,732732	23.2	14.5	10.3	<1
AQ448	715031,732732	25.4	14.8	10.5	<1
AQ449	714985,732701	24.4	14.6	10.4	<1
AQ450	712140,731955	25.6	14.7	10.5	<1
AQ451	711028,731732	23.5	14.6	10.4	<1
AQ452	711576,732588	22.4	14.4	10.2	<1
AQ453	711523,732540	22.0	14.3	10.2	<1
AQ454	711607,732761	22.7	14.4	10.3	<1
AQ455	707749,728609	21.1	14.2	10.1	1
AQ456	708137,728787	21.2	14.2	10.1	1
AQ457	707613,728293	21.3	14.3	10.2	1
AQ458	709725,729545	22.9	14.6	10.3	<1
AQ459	709509,729656	23.0	14.6	10.4	<1
AQ460	709392,729665	23.7	14.7	10.4	<1
AQ461	709295,729869	23.8	14.8	10.5	<1
AQ462	709060,730248	23.6	14.7	10.5	<1
AQ463	708394,731369	23.9	14.8	10.5	<1
AQ464	708493,731185	25.2	15.1	10.7	<1
AQ465	708329,731015	29.7	15.8	11.1	1
AQ466	708107,731841	23.9	14.8	10.5	<1
AQ467	707975,731634	25.4	14.9	10.6	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ468	707587,731211	22.3	14.5	10.3	<1
AQ469	707955,732557	25.8	15.1	10.7	<1
AQ470	707699,731990	24.9	14.9	10.5	<1
AQ471	707758,731863	25.9	15.0	10.6	<1
AQ472	709137,730103	23.7	14.8	10.5	<1
AQ473	708853,729304	22.8	14.5	10.3	<1
AQ474	708553,729077	22.8	14.5	10.3	<1
AQ475	708639,728797	26.1	15.0	10.6	<1
AQ476	708952,728846	22.4	14.4	10.3	<1
AQ477	708970,728796	22.1	14.4	10.2	<1
AQ478	709749,728804	22.3	14.4	10.2	<1
AQ479	709664,728827	26.0	14.9	10.6	<1
Air Quality Limit Value Objective		40	40	25	35

In the cumulative 2024 DS scenario annual mean concentrations of NO₂ are below the relevant national air quality limit value objective for all modelled receptors. This is no change from the DM scenario. Annual mean NO₂ concentrations did not exceed 60 $\mu\text{g}/\text{m}^3$, indicating that exceedances of the NO₂ 1-hour mean are unlikely to occur. Annual mean PM₁₀ concentrations are below the relevant national air quality limit value objective for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM₁₀ concentration indicated that there is likely to be no more than three exceedance of the 50 $\mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean PM_{2.5} concentrations are also below the relevant national air quality limit value objective for all modelled receptors.

1.3 Comparison of Do Something with Do Minimum

Table 1.3 provides the predicted change in and impact on pollutant concentrations, between the cumulative DM and DS in 2024. Pollutant concentrations have been outlined to one decimal place, where '<0.1' is reported, the pollutant concentration is considered to be less than this amount (i.e. two or more decimal places).

Table 1.3: Predicted Changes in Cumulative Construction DM and DS and Impact Significance Criteria At All Modelled Receptor Locations

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ1	713982,733049	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ2	713098,732306	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ3	715117,733489	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ4	715020,733263	<0.1	<0.1	0.0	<1	Negligible	Negligible	Negligible
AQ5	715064,733787	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ6	715032,733335	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ7	709967,729203	-0.5	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ8	714894,733434	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ9	709995,729116	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ10	714981,733737	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ11	709589,728524	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ12	713844,733170	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ13	708273,727787	-0.7	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ14	714269,733246	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ15	711161,731453	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ16	710315,732026	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ17	714943,734088	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ18	713653,732038	2.4	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ19	711073,731665	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ20	711847,731861	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ21	711986,731890	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ22	714911,733502	-1.0	-0.3	-0.3	<1	Negligible	Negligible	Negligible
AQ23	713632,731991	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ24	708212,727603	-0.3	0.0	-0.1	<1	Negligible	Negligible	Negligible
AQ25	713726,732044	1.8	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ26	713437,732489	-0.9	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ27	712387,732100	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ28	715152,733778	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ29	711147,731588	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ30	711895,731365	0.0	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ31	709515,728004	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ32	708720,728067	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ33	710186,731814	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ34	715010,733842	<0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ35	713377,732440	-0.9	-0.2	0.0	<1	Negligible	Negligible	Negligible
AQ36	708228,727843	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ37	714033,732488	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ38	713891,732900	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ39	713142,732334	-1.2	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ40	709826,729106	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ41	709812,729183	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ42	709832,729290	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ43	709840,729249	-2.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ44	709782,729328	-0.4	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ45	709907,729341	-2.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ46	709795,729237	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ47	709666,728792	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ48	709682,728878	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ49	709680,728959	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days $>50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ50	709691,729006	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ51	709698,729067	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ52	709730,729147	-0.5	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ53	709751,729088	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ54	709784,729131	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ55	709779,729049	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ56	709743,729241	-0.4	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ57	713940,733135	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ58	714097,733222	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ59	714047,733216	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ60	714072,733235	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ61	714400,733355	-0.6	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ62	714183,733307	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ63	714122,733271	-2.2	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ64	714097,733260	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ65	713950,733076	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ66	713920,733080	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ67	713972,733108	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ68	713970,733167	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ69	714007,733184	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ70	713551,732602	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ71	713578,732585	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ72	713587,732626	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ73	713609,732606	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ74	713706,732687	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ75	713781,732826	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ76	713761,732742	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ77	713829,732828	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ78	713840,732860	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ79	713909,733056	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ80	713805,732857	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ81	713815,732922	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ82	713877,732905	-1.5	-0.2	-0.3	<1	Negligible	Negligible	Negligible
AQ83	713884,732966	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ84	714335,733366	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ85	714389,733378	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ86	714301,733356	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ87	714468,733396	-1.0	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ88	714437,733387	-1.2	-0.2	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ89	714254,733340	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ90	714888,733466	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ91	714936,733512	-0.8	-0.2	-0.3	<1	Negligible	Negligible	Negligible
AQ92	714903,733530	-0.8	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ93	714595,733452	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ94	714670,733457	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ95	714694,733471	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ96	714743,733478	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ97	714829,733480	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ98	714775,733480	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ99	715080,733859	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ100	715039,733934	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ101	714530,733414	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ102	710834,730968	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ103	710804,730972	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ104	710937,730918	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ105	710898,730907	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ106	710870,730962	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ107	710949,730955	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ108	710824,731658	-0.3	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ109	710861,731660	-0.3	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ110	715042,733653	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ111	714995,733508	-0.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ112	715029,733549	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ113	715008,733471	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ114	715108,733441	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ115	714984,733481	-0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ116	715018,733776	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ117	715038,733814	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ118	715064,733826	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ119	715034,733702	-0.5	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ120	715065,733668	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ121	715065,733728	-0.6	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ122	711327,731122	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ123	711396,731175	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ124	711417,731189	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ125	711314,731153	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ126	711333,731180	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ127	711377,731157	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days $>50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ128	711445,731260	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ129	711462,731228	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ130	711472,731277	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ131	711503,731256	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ132	711420,731239	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ133	711318,731640	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ134	711314,731743	-0.3	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ135	711348,731688	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ136	711341,731746	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ137	711364,731642	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ138	711381,731755	-0.3	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ139	711453,731725	<0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ140	711534,731744	0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ141	711563,731751	0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ142	711502,731736	0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ143	711524,731778	0.4	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ144	711614,731798	-0.3	-0.1	0.1	<1	Negligible	Negligible	Negligible
AQ145	711738,731786	-0.4	0.0	0.1	<1	Negligible	Negligible	Negligible
AQ146	711654,731807	-0.6	-0.1	0.2	<1	Negligible	Negligible	Negligible
AQ147	711599,731759	0.0	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ148	711630,731767	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ149	711565,731787	0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ150	711767,731791	-0.4	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ151	711855,731803	-0.4	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ152	711867,731839	-0.6	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ153	711739,731823	-0.6	-0.1	0.2	<1	Negligible	Negligible	Negligible
AQ154	711194,731062	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ155	711218,731082	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ156	711279,731083	-0.3	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ157	711284,731130	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ158	711255,731061	-0.3	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ159	711509,731311	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ160	711554,731300	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ161	711564,731348	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ162	711612,731388	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ163	711646,731413	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ164	711722,731475	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ165	711753,731496	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ166	711657,731425	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ167	711292,731509	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ168	711306,731549	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ169	711327,731583	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ170	711784,731519	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ171	710961,730810	-0.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ172	711036,730842	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ173	711010,730792	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ174	711012,730879	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ175	710986,730929	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ176	711000,730964	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ177	711128,731132	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ178	711149,731158	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ179	711073,731058	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ180	711118,731035	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ181	711174,731264	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ182	711127,731256	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ183	711096,731160	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ184	711085,731121	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ185	711103,731184	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ186	711145,730924	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ187	711099,730828	-0.2	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ188	711165,731035	-0.5	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ189	711175,730977	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ190	711193,731018	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ191	711205,731027	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ192	710885,731661	-0.3	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ193	711256,731541	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ194	711275,731571	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ195	711208,731366	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ196	711151,731325	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ197	711191,731315	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ198	711228,731494	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ199	711220,731400	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ200	711196,731443	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ201	712454,732065	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ202	712465,732099	-0.9	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ203	712588,732157	-0.9	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ204	712657,732137	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ205	712515,732128	-0.8	-0.2	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ206	712557,732136	-1.2	-0.3	<0.1	<1	Negligible	Negligible	Negligible
AQ207	712853,732260	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ208	712895,732238	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ209	712703,732192	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ210	712726,732207	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ211	712765,732187	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ212	712807,732204	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ213	712933,732253	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ214	712998,732278	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ215	713040,732294	-0.9	-0.2	0.0	<1	Negligible	Negligible	Negligible
AQ216	712939,732294	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ217	712936,731853	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ218	712887,731859	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ219	713010,731845	0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ220	712981,731849	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ221	712673,731873	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ222	712702,731904	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ223	712705,731850	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ224	712888,731890	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ225	712735,731903	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ226	712448,731863	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ227	712397,731882	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ228	712493,731891	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ229	712949,731886	1.0	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ230	712774,731868	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ231	712791,731903	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ232	712675,731917	0.7	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ233	712646,731921	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ234	712396,732043	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ235	712542,732099	-0.7	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ236	712588,731906	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ237	712609,731878	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ238	712628,731873	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ239	712846,731895	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ240	712813,731837	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ241	712749,731854	1.1	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ242	712806,731866	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ243	712814,731897	1.7	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ244	712840,731859	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ245	713030,731876	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ246	712538,731871	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ247	711889,731601	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ248	711801,731533	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ249	711843,731565	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ250	711965,731609	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ251	712003,731722	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ252	711945,731642	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ253	711938,731810	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ254	712044,731720	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ255	711975,731679	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ256	711896,731806	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ257	711961,731812	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ258	712026,731756	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ259	712027,731819	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ260	712042,731782	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ261	712055,731801	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ262	712093,731798	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ263	712085,731784	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ264	712264,731831	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ265	712192,731847	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ266	712330,731845	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ267	712272,731856	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ268	712345,731873	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ269	712133,731859	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ270	712161,731824	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ271	712160,731896	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ272	712185,731985	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ273	712192,731932	-0.2	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ274	712287,731999	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ275	712228,732006	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ276	712240,731975	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ277	712252,732026	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ278	712334,732019	-0.8	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ279	712416,732080	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ280	713212,732362	-1.0	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ281	713242,731894	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ282	713296,731879	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ283	713319,731925	1.0	0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days $>50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ284	713327,732407	-0.9	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ285	713310,732457	-0.8	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ286	713332,732412	-1.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ287	713345,732482	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ288	713271,731905	1.0	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ289	713279,731848	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ290	713338,731866	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ291	713342,731904	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ292	713358,731937	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ293	713364,731937	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ294	713475,731780	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ295	713497,731811	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ296	713453,731821	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ297	713353,731830	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ298	713241,731852	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ299	713168,731872	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ300	713081,731877	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ301	713081,731843	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ302	713105,731839	0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ303	713068,732335	-1.9	-0.3	0.0	<1	Negligible	Negligible	Negligible
AQ304	713094,732345	-1.9	-0.3	<0.1	<1	Negligible	Negligible	Negligible
AQ305	713138,731872	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ306	713145,731840	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ307	713108,731897	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ308	713210,731879	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ309	713496,731723	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ310	713429,731796	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ311	714227,732376	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ312	714169,732263	1.1	0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ313	714303,732465	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ314	714271,732496	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ315	714262,732437	1.0	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ316	714267,732372	1.1	0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ317	714281,732393	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ318	708347,727670	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ319	709089,727746	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ320	708638,727689	<0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ321	708908,727798	0.3	<0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ322	709457,727767	-0.2	0.0	0.0	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days $>50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ323	709513,727878	-0.5	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ324	714137,732279	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ325	714146,732229	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ326	714225,732308	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ327	714182,732342	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ328	713996,732117	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ329	714023,732171	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ330	714054,732200	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ331	714082,732227	1.0	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ332	714088,732172	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ333	713476,732509	-0.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ334	713386,731864	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ335	713385,731920	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ336	713423,731841	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ337	713423,731935	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ338	713418,731836	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ339	713438,731973	1.0	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ340	713430,732002	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ341	713387,732488	-0.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ342	713502,732567	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ343	713462,731924	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ344	713478,731886	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ345	713493,731854	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ346	713430,732518	-1.0	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ347	713466,732543	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ348	713475,731990	1.0	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ349	713562,732015	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ350	713695,732060	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ351	713739,732071	1.8	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ352	713805,732098	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ353	713879,732062	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ354	713770,732091	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ355	713943,732101	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ356	713851,732111	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ357	713892,732157	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ358	709204,727615	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ359	709175,727632	-0.1	<0.1	0.0	<1	Negligible	Negligible	Negligible
AQ360	707886,728105	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ361	708341,727471	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ362	708313,727433	<0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ363	708010,727943	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ364	708295,727572	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ365	709263,727640	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ366	709433,727719	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ367	709363,727665	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ368	709453,727677	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ369	709612,728189	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ370	709718,728756	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ371	711920,730460	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ372	711952,730541	0.6	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ373	712037,730676	1.2	0.2	0.3	<1	Negligible	Negligible	Negligible
AQ374	712216,730828	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ375	712150,730959	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ376	712241,731097	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ377	712371,731206	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ378	712548,731286	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ379	712221,731310	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ380	712221,731454	0.5	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ381	712092,731439	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ382	712279,731488	0.6	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ383	712385,731653	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ384	712482,731744	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ385	712574,731805	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ386	712441,731697	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ387	711975,731522	-0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ388	712810,731339	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ389	712730,731354	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ390	712940,731416	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ391	712859,731431	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ392	712860,731498	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ393	712824,731563	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ394	712770,731658	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ395	712772,731782	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ396	712737,731809	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ397	712293,732117	0.4	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ398	712265,732252	0.6	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ399	712043,732350	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ400	711950,732447	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ401	711983,732386	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ402	711924,732498	0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ403	710154,732523	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ404	710107,732727	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ405	709982,729155	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ406	710287,729920	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ407	710360,730158	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ408	711201,730773	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ409	711235,730661	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ410	711407,730481	<0.1	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ411	706459,731801	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ412	706519,731857	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ413	706717,732008	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ414	706643,732319	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ415	706666,732287	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ416	706780,732101	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ417	707029,732119	0.0	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ418	707281,732062	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ419	707950,732011	<0.1	<0.1	0.0	<1	Negligible	Negligible	Negligible
AQ420	710199,731842	-0.2	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ421	710634,731372	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ422	710789,731267	-1.5	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ423	710792,731206	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ424	710896,731095	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ425	710969,731074	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ426	711183,730737	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ427	708088,727835	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ428	711703,730906	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ429	711385,730930	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ430	712372,730736	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ431	712679,731978	0.0	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ432	712713,733250	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ433	714098,733444	-0.4	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ434	714300,733648	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ435	714651,734058	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ436	714897,734062	<0.1	0.0	-0.1	<1	Negligible	Negligible	Negligible
AQ437	715062,733342	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ438	715200,733392	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ439	714953,733379	-0.1	0.0	0.0	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ440	714874,733213	<0.1	<0.1	0.0	<1	Negligible	Negligible	Negligible
AQ441	715015,733129	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ442	714886,732820	-0.2	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ443	714168,733585	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ444	714711,734293	<0.1	<0.1	0.0	<1	Negligible	Negligible	Negligible
AQ445	714817,734262	-0.6	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ446	714795,734086	-0.3	-0.1	-0.3	<1	Negligible	Negligible	Negligible
AQ447	715239,732732	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ448	715031,732732	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ449	714985,732701	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ450	712140,731955	-0.3	-0.1	0.0	<1	Negligible	Negligible	Negligible
AQ451	711028,731732	-0.3	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ452	711576,732588	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ453	711523,732540	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ454	711607,732761	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ455	707749,728609	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ456	708137,728787	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ457	707613,728293	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ458	709725,729545	0.0	0.0	<0.1	<1	Negligible	Negligible	Negligible
AQ459	709509,729656	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ460	709392,729665	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ461	709295,729869	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ462	709060,730248	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ463	708394,731369	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ464	708493,731185	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ465	708329,731015	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ466	708107,731841	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ467	707975,731634	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ468	707587,731211	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ469	707955,732557	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ470	707699,731990	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ471	707758,731863	0.0	0.0	0.0	<1	Negligible	Negligible	Negligible
AQ472	709137,730103	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ473	708853,729304	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ474	708553,729077	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ475	708639,728797	1.0	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ476	708952,728846	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ477	708970,728796	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ478	709749,728804	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No. of PM10 days >50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ479	709664,728827	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible

The significance of the changes in the concentration of each of the ambient receptors has been determined in the context of the TII significance criteria (TII 2011), as described in Section 7.2.4.1.4 in Chapter 7 (Air Quality). The majority of modelled receptors are estimated to experience a negligible impact due to the Proposed Scheme in terms of the annual mean NO₂ concentration. A slightly beneficial impact is estimated at seven receptors. All beneficial impacts are modelled along the Proposed Scheme. The Proposed Scheme is overall neutral in terms of annual mean PM₁₀ and PM_{2.5} concentrations, with all receptors experiencing a negligible impact.

2. Operational Traffic Assessment

2.1 'Do Minimum' Scenario

Predicted annual mean concentrations of NO₂, PM₁₀, PM_{2.5} and the number of exceedances of the 24-hour PM₁₀ objective, at all modelled existing air quality sensitive receptors in the cumulative 2028 DM scenario are listed in Table 2.1. Locations of these receptors are shown in Figures 7.3 – 7.5 in Volume 3 of this EIAR.

Table 2.1: Predicted Cumulative 2028 Do Minimum Operational Scenario Pollutant Statistics At All Modelled Receptor Locations

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No. of PM ₁₀ days >50 µg/m ³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713982,733049	28.4	15.2	10.7	<1
AQ2	713098,732306	30.2	15.4	10.9	<1
AQ3	715117,733489	24.7	14.6	10.4	<1
AQ4	715020,733263	33.6	16.0	11.2	1
AQ5	715064,733787	50.5	18.2	12.5	2
AQ6	715032,733335	32.6	15.9	11.1	1
AQ7	709967,729203	22.7	14.4	10.3	<1
AQ8	714894,733434	22.4	14.3	10.2	<1
AQ9	709995,729116	24.4	14.7	10.4	<1
AQ10	714981,733737	24.1	14.5	10.3	<1
AQ11	709589,728524	21.1	14.2	10.1	1
AQ12	713844,733170	21.8	14.3	10.2	1
AQ13	708273,727787	25.3	14.8	10.5	<1
AQ14	714269,733246	22.0	14.3	10.2	<1
AQ15	711161,731453	22.6	14.4	10.2	<1
AQ16	710315,732026	35.8	16.4	11.4	1
AQ17	714943,734088	32.6	15.7	11.0	1
AQ18	713653,732038	26.2	14.9	10.5	<1
AQ19	711073,731665	22.7	14.5	10.3	<1
AQ20	711847,731861	26.5	14.8	10.5	<1
AQ21	711986,731890	29.2	15.4	10.8	<1
AQ22	714911,733502	40.5	16.8	11.7	1
AQ23	713632,731991	22.1	14.3	10.2	<1
AQ24	708212,727603	23.0	14.5	10.3	<1
AQ25	713726,732044	24.5	14.7	10.4	<1
AQ26	713437,732489	40.7	16.8	11.7	1
AQ27	712387,732100	23.8	14.5	10.3	<1
AQ28	715152,733778	25.5	14.7	10.4	<1
AQ29	711147,731588	21.6	14.3	10.2	1
AQ30	711895,731365	21.0	14.2	10.1	1
AQ31	709515,728004	22.7	14.4	10.3	<1
AQ32	708720,728067	22.1	14.4	10.2	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No. of PM ₁₀ days >50 µg/m ³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ33	710186,731814	28.6	15.4	10.8	<1
AQ34	715010,733842	24.7	14.6	10.4	<1
AQ35	713377,732440	40.2	16.7	11.6	1
AQ36	708228,727843	21.6	14.3	10.2	1
AQ37	714033,732488	21.3	14.2	10.1	1
AQ38	713891,732900	35.5	15.9	11.2	1
AQ39	713142,732334	33.8	16.0	11.2	1
AQ40	709826,729106	24.5	14.7	10.4	<1
AQ41	709812,729183	25.3	14.7	10.4	<1
AQ42	709832,729290	24.3	14.6	10.4	<1
AQ43	709840,729249	26.0	14.8	10.5	<1
AQ44	709782,729328	22.5	14.4	10.2	<1
AQ45	709907,729341	27.3	14.9	10.6	<1
AQ46	709795,729237	23.0	14.4	10.3	<1
AQ47	709666,728792	23.3	14.5	10.3	<1
AQ48	709682,728878	23.4	14.5	10.3	<1
AQ49	709680,728959	22.6	14.4	10.2	<1
AQ50	709691,729006	22.7	14.4	10.3	<1
AQ51	709698,729067	22.4	14.4	10.2	<1
AQ52	709730,729147	22.3	14.4	10.2	<1
AQ53	709751,729088	25.5	14.8	10.5	<1
AQ54	709784,729131	25.5	14.8	10.5	<1
AQ55	709779,729049	24.5	14.7	10.4	<1
AQ56	709743,729241	22.1	14.3	10.2	<1
AQ57	713940,733135	31.4	15.7	11.0	1
AQ58	714097,733222	39.5	16.7	11.6	1
AQ59	714047,733216	36.9	16.4	11.4	1
AQ60	714072,733235	37.3	16.4	11.4	1
AQ61	714400,733355	29.4	15.4	10.8	<1
AQ62	714183,733307	37.2	16.6	11.5	1
AQ63	714122,733271	50.4	18.2	12.5	2
AQ64	714097,733260	39.6	16.7	11.6	1
AQ65	713950,733076	37.2	16.6	11.6	1
AQ66	713920,733080	38.0	16.7	11.6	1
AQ67	713972,733108	36.6	16.5	11.5	1
AQ68	713970,733167	31.8	15.7	11.0	1
AQ69	714007,733184	35.3	16.3	11.4	1
AQ70	713551,732602	38.5	16.8	11.7	1
AQ71	713578,732585	34.2	16.1	11.3	1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ72	713587,732626	35.4	16.3	11.4	1
AQ73	713609,732606	34.6	16.2	11.3	1
AQ74	713706,732687	37.5	16.3	11.4	1
AQ75	713781,732826	44.0	17.0	11.8	1
AQ76	713761,732742	34.7	16.0	11.2	1
AQ77	713829,732828	41.4	16.6	11.6	1
AQ78	713840,732860	47.3	17.4	12.0	1
AQ79	713909,733056	33.7	16.0	11.2	1
AQ80	713805,732857	54.2	18.4	12.6	2
AQ81	713815,732922	32.5	15.6	11.0	1
AQ82	713877,732905	47.2	17.4	12.1	1
AQ83	713884,732966	41.7	17.0	11.8	1
AQ84	714335,733366	32.0	15.9	11.1	1
AQ85	714389,733378	31.9	15.8	11.1	1
AQ86	714301,733356	31.8	15.8	11.1	1
AQ87	714468,733396	34.1	16.1	11.2	1
AQ88	714437,733387	35.8	16.4	11.4	1
AQ89	714254,733340	35.5	16.4	11.4	1
AQ90	714888,733466	29.6	15.3	10.8	<1
AQ91	714936,733512	40.0	16.8	11.7	1
AQ92	714903,733530	36.9	16.3	11.4	1
AQ93	714595,733452	33.8	15.9	11.1	1
AQ94	714670,733457	36.9	16.5	11.5	1
AQ95	714694,733471	31.6	15.7	11.0	1
AQ96	714743,733478	31.0	15.7	11.0	1
AQ97	714829,733480	31.9	15.8	11.0	1
AQ98	714775,733480	31.3	15.7	11.0	1
AQ99	715080,733859	40.1	16.8	11.7	1
AQ100	715039,733934	47.4	17.7	12.3	1
AQ101	714530,733414	38.1	16.5	11.5	1
AQ102	710834,730968	24.3	14.7	10.4	<1
AQ103	710804,730972	23.5	14.6	10.4	<1
AQ104	710937,730918	25.6	14.9	10.5	<1
AQ105	710898,730907	24.0	14.7	10.4	<1
AQ106	710870,730962	24.1	14.7	10.4	<1
AQ107	710949,730955	25.4	14.9	10.5	<1
AQ108	710824,731658	23.3	14.6	10.3	<1
AQ109	710861,731660	23.1	14.6	10.3	<1
AQ110	715042,733653	42.5	17.1	11.9	1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No. of PM ₁₀ days >50 µg/m ³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ111	714995,733508	36.7	16.2	11.3	1
AQ112	715029,733549	39.0	16.6	11.6	1
AQ113	715008,733471	36.5	16.0	11.2	1
AQ114	715108,733441	35.5	16.1	11.3	1
AQ115	714984,733481	36.0	16.1	11.3	1
AQ116	715018,733776	32.1	15.6	11.0	1
AQ117	715038,733814	37.1	16.4	11.5	1
AQ118	715064,733826	41.0	17.1	11.8	1
AQ119	715034,733702	35.4	15.9	11.2	1
AQ120	715065,733668	42.2	17.1	11.9	1
AQ121	715065,733728	40.4	16.6	11.6	1
AQ122	711327,731122	21.8	14.3	10.2	<1
AQ123	711396,731175	21.6	14.3	10.2	1
AQ124	711417,731189	21.5	14.3	10.2	1
AQ125	711314,731153	21.8	14.3	10.2	<1
AQ126	711333,731180	21.6	14.3	10.2	1
AQ127	711377,731157	21.6	14.3	10.2	1
AQ128	711445,731260	21.7	14.3	10.2	1
AQ129	711462,731228	21.6	14.3	10.2	1
AQ130	711472,731277	21.7	14.3	10.2	1
AQ131	711503,731256	21.4	14.3	10.2	1
AQ132	711420,731239	21.7	14.3	10.2	<1
AQ133	711318,731640	23.2	14.5	10.3	<1
AQ134	711314,731743	24.8	14.7	10.4	<1
AQ135	711348,731688	24.0	14.6	10.4	<1
AQ136	711341,731746	25.9	14.8	10.5	<1
AQ137	711364,731642	23.4	14.5	10.3	<1
AQ138	711381,731755	25.9	14.8	10.5	<1
AQ139	711453,731725	26.0	14.8	10.5	<1
AQ140	711534,731744	24.9	14.7	10.4	<1
AQ141	711563,731751	24.8	14.7	10.4	<1
AQ142	711502,731736	25.0	14.7	10.4	<1
AQ143	711524,731778	27.9	15.1	10.7	<1
AQ144	711614,731798	28.7	15.2	10.7	<1
AQ145	711738,731786	25.7	14.7	10.5	<1
AQ146	711654,731807	28.8	15.1	10.7	<1
AQ147	711599,731759	25.8	14.8	10.5	<1
AQ148	711630,731767	26.2	14.8	10.5	<1
AQ149	711565,731787	28.2	15.1	10.7	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ150	711767,731791	25.8	14.7	10.5	<1
AQ151	711855,731803	25.6	14.7	10.4	<1
AQ152	711867,731839	28.0	15.0	10.6	<1
AQ153	711739,731823	28.8	15.1	10.7	<1
AQ154	711194,731062	22.9	14.5	10.3	<1
AQ155	711218,731082	22.5	14.4	10.2	<1
AQ156	711279,731083	22.1	14.4	10.2	<1
AQ157	711284,731130	22.0	14.3	10.2	<1
AQ158	711255,731061	22.4	14.4	10.2	<1
AQ159	711509,731311	21.4	14.3	10.2	1
AQ160	711554,731300	21.4	14.3	10.2	1
AQ161	711564,731348	21.5	14.3	10.2	1
AQ162	711612,731388	21.6	14.3	10.2	1
AQ163	711646,731413	21.4	14.3	10.1	1
AQ164	711722,731475	21.3	14.2	10.1	1
AQ165	711753,731496	21.4	14.2	10.1	1
AQ166	711657,731425	21.4	14.2	10.1	1
AQ167	711292,731509	22.4	14.4	10.2	<1
AQ168	711306,731549	23.0	14.5	10.3	<1
AQ169	711327,731583	23.1	14.5	10.3	<1
AQ170	711784,731519	21.4	14.2	10.1	1
AQ171	710961,730810	25.0	14.7	10.4	<1
AQ172	711036,730842	26.0	14.9	10.5	<1
AQ173	711010,730792	24.4	14.7	10.4	<1
AQ174	711012,730879	25.5	14.8	10.5	<1
AQ175	710986,730929	24.7	14.7	10.4	<1
AQ176	711000,730964	27.0	15.1	10.6	<1
AQ177	711128,731132	24.7	14.7	10.4	<1
AQ178	711149,731158	23.6	14.5	10.3	<1
AQ179	711073,731058	24.4	14.7	10.4	<1
AQ180	711118,731035	25.2	14.8	10.5	<1
AQ181	711174,731264	23.7	14.6	10.3	<1
AQ182	711127,731256	23.1	14.5	10.3	<1
AQ183	711096,731160	24.2	14.6	10.4	<1
AQ184	711085,731121	23.9	14.6	10.4	<1
AQ185	711103,731184	23.6	14.6	10.3	<1
AQ186	711145,730924	25.2	14.8	10.5	<1
AQ187	711099,730828	22.9	14.5	10.3	<1
AQ188	711165,731035	23.7	14.6	10.3	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $>50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ189	711175,730977	25.5	14.9	10.5	<1
AQ190	711193,731018	23.5	14.6	10.3	<1
AQ191	711205,731027	23.2	14.5	10.3	<1
AQ192	710885,731661	23.2	14.6	10.3	<1
AQ193	711256,731541	22.7	14.4	10.3	<1
AQ194	711275,731571	22.8	14.5	10.3	<1
AQ195	711208,731366	23.6	14.6	10.3	<1
AQ196	711151,731325	22.9	14.5	10.3	<1
AQ197	711191,731315	23.7	14.6	10.3	<1
AQ198	711228,731494	22.8	14.5	10.3	<1
AQ199	711220,731400	23.5	14.5	10.3	<1
AQ200	711196,731443	23.2	14.5	10.3	<1
AQ201	712454,732065	31.1	15.6	11.0	1
AQ202	712465,732099	37.2	16.6	11.5	1
AQ203	712588,732157	32.3	15.8	11.1	1
AQ204	712657,732137	37.2	16.3	11.4	1
AQ205	712515,732128	32.6	15.9	11.1	1
AQ206	712557,732136	36.3	16.5	11.5	1
AQ207	712853,732260	33.5	15.8	11.1	1
AQ208	712895,732238	35.9	16.2	11.3	1
AQ209	712703,732192	38.8	16.9	11.7	1
AQ210	712726,732207	34.8	16.2	11.3	1
AQ211	712765,732187	33.6	16.0	11.2	1
AQ212	712807,732204	34.7	16.1	11.3	1
AQ213	712933,732253	34.8	16.1	11.3	1
AQ214	712998,732278	31.1	15.6	11.0	1
AQ215	713040,732294	31.4	15.6	11.0	1
AQ216	712939,732294	33.1	15.9	11.1	1
AQ217	712936,731853	22.7	14.4	10.3	<1
AQ218	712887,731859	23.2	14.5	10.3	<1
AQ219	713010,731845	22.5	14.4	10.2	<1
AQ220	712981,731849	22.6	14.4	10.2	<1
AQ221	712673,731873	22.7	14.4	10.2	<1
AQ222	712702,731904	23.9	14.5	10.3	<1
AQ223	712705,731850	22.7	14.4	10.2	<1
AQ224	712888,731890	24.2	14.6	10.4	<1
AQ225	712735,731903	24.8	14.7	10.4	<1
AQ226	712448,731863	22.5	14.4	10.2	<1
AQ227	712397,731882	23.5	14.5	10.3	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ228	712493,731891	23.4	14.5	10.3	<1
AQ229	712949,731886	23.8	14.6	10.3	<1
AQ230	712774,731868	24.8	14.7	10.4	<1
AQ231	712791,731903	25.0	14.7	10.4	<1
AQ232	712675,731917	24.0	14.6	10.3	<1
AQ233	712646,731921	23.2	14.5	10.3	<1
AQ234	712396,732043	31.7	15.7	11.0	1
AQ235	712542,732099	31.5	15.7	11.0	1
AQ236	712588,731906	22.9	14.4	10.3	<1
AQ237	712609,731878	22.8	14.4	10.3	<1
AQ238	712628,731873	22.6	14.4	10.2	<1
AQ239	712846,731895	25.5	14.8	10.5	<1
AQ240	712813,731837	22.5	14.4	10.2	<1
AQ241	712749,731854	25.6	14.8	10.5	<1
AQ242	712806,731866	24.5	14.7	10.4	<1
AQ243	712814,731897	26.0	14.9	10.5	<1
AQ244	712840,731859	23.3	14.5	10.3	<1
AQ245	713030,731876	24.2	14.6	10.3	<1
AQ246	712538,731871	22.5	14.4	10.2	<1
AQ247	711889,731601	21.6	14.3	10.2	1
AQ248	711801,731533	21.4	14.2	10.1	1
AQ249	711843,731565	21.4	14.2	10.1	1
AQ250	711965,731609	21.8	14.3	10.2	<1
AQ251	712003,731722	22.1	14.4	10.2	<1
AQ252	711945,731642	22.2	14.4	10.2	<1
AQ253	711938,731810	31.5	15.7	11.0	1
AQ254	712044,731720	22.2	14.4	10.2	<1
AQ255	711975,731679	22.1	14.4	10.2	<1
AQ256	711896,731806	24.6	14.6	10.4	<1
AQ257	711961,731812	31.2	15.7	11.0	1
AQ258	712026,731756	26.7	15.0	10.6	<1
AQ259	712027,731819	30.1	15.5	10.9	1
AQ260	712042,731782	27.4	15.1	10.7	<1
AQ261	712055,731801	28.5	15.3	10.8	<1
AQ262	712093,731798	28.3	15.3	10.8	<1
AQ263	712085,731784	27.6	15.2	10.7	<1
AQ264	712264,731831	22.8	14.4	10.3	<1
AQ265	712192,731847	30.4	15.5	10.9	1
AQ266	712330,731845	22.6	14.4	10.2	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $>50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ267	712272,731856	23.7	14.6	10.3	<1
AQ268	712345,731873	23.5	14.5	10.3	<1
AQ269	712133,731859	33.6	16.0	11.2	1
AQ270	712161,731824	28.4	15.2	10.7	<1
AQ271	712160,731896	31.6	15.6	11.0	1
AQ272	712185,731985	45.5	17.2	12.0	1
AQ273	712192,731932	32.6	15.7	11.0	1
AQ274	712287,731999	35.5	16.0	11.2	1
AQ275	712228,732006	40.4	16.7	11.6	1
AQ276	712240,731975	35.5	16.1	11.2	1
AQ277	712252,732026	35.6	16.1	11.2	1
AQ278	712334,732019	35.2	16.0	11.2	1
AQ279	712416,732080	36.7	16.5	11.5	1
AQ280	713212,732362	33.3	15.9	11.1	1
AQ281	713242,731894	23.1	14.5	10.3	<1
AQ282	713296,731879	22.9	14.4	10.3	<1
AQ283	713319,731925	23.5	14.5	10.3	<1
AQ284	713327,732407	38.2	16.4	11.5	1
AQ285	713310,732457	33.5	15.8	11.1	1
AQ286	713332,732412	40.3	16.6	11.6	1
AQ287	713345,732482	36.2	16.1	11.3	1
AQ288	713271,731905	23.4	14.5	10.3	<1
AQ289	713279,731848	21.8	14.3	10.2	1
AQ290	713338,731866	21.9	14.3	10.2	<1
AQ291	713342,731904	23.3	14.5	10.3	<1
AQ292	713358,731937	24.2	14.6	10.4	<1
AQ293	713364,731937	24.7	14.7	10.4	<1
AQ294	713475,731780	21.5	14.3	10.2	1
AQ295	713497,731811	22.1	14.3	10.2	<1
AQ296	713453,731821	22.0	14.3	10.2	<1
AQ297	713353,731830	21.4	14.2	10.1	1
AQ298	713241,731852	22.6	14.4	10.2	<1
AQ299	713168,731872	24.7	14.6	10.4	<1
AQ300	713081,731877	23.6	14.5	10.3	<1
AQ301	713081,731843	22.8	14.4	10.2	<1
AQ302	713105,731839	22.6	14.4	10.2	<1
AQ303	713068,732335	36.9	16.4	11.5	1
AQ304	713094,732345	37.1	16.5	11.5	1
AQ305	713138,731872	24.3	14.6	10.3	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ306	713145,731840	22.7	14.4	10.2	<1
AQ307	713108,731897	22.6	14.4	10.2	<1
AQ308	713210,731879	24.0	14.6	10.3	<1
AQ309	713496,731723	21.0	14.2	10.1	1
AQ310	713429,731796	21.6	14.3	10.2	1
AQ311	714227,732376	23.3	14.5	10.3	<1
AQ312	714169,732263	22.9	14.4	10.3	<1
AQ313	714303,732465	24.3	14.6	10.4	<1
AQ314	714271,732496	24.1	14.6	10.4	<1
AQ315	714262,732437	23.3	14.5	10.3	<1
AQ316	714267,732372	23.1	14.5	10.3	<1
AQ317	714281,732393	23.2	14.5	10.3	<1
AQ318	708347,727670	22.2	14.4	10.2	<1
AQ319	709089,727746	21.7	14.3	10.2	<1
AQ320	708638,727689	21.3	14.2	10.1	1
AQ321	708908,727798	25.4	14.7	10.4	<1
AQ322	709457,727767	21.7	14.3	10.2	<1
AQ323	709513,727878	22.5	14.4	10.2	<1
AQ324	714137,732279	23.2	14.5	10.3	<1
AQ325	714146,732229	22.2	14.4	10.2	<1
AQ326	714225,732308	22.1	14.3	10.2	<1
AQ327	714182,732342	22.4	14.4	10.2	<1
AQ328	713996,732117	22.0	14.3	10.2	<1
AQ329	714023,732171	23.9	14.6	10.4	<1
AQ330	714054,732200	23.1	14.5	10.3	<1
AQ331	714082,732227	23.1	14.5	10.3	<1
AQ332	714088,732172	22.1	14.3	10.2	<1
AQ333	713476,732509	33.0	15.9	11.1	1
AQ334	713386,731864	21.5	14.3	10.2	1
AQ335	713385,731920	23.1	14.5	10.3	<1
AQ336	713423,731841	21.6	14.3	10.2	1
AQ337	713423,731935	23.5	14.5	10.3	<1
AQ338	713418,731836	21.8	14.3	10.2	1
AQ339	713438,731973	24.8	14.7	10.4	<1
AQ340	713430,732002	23.6	14.5	10.3	<1
AQ341	713387,732488	45.3	17.3	12.0	1
AQ342	713502,732567	38.9	16.9	11.7	1
AQ343	713462,731924	23.4	14.5	10.3	<1
AQ344	713478,731886	22.9	14.4	10.3	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ345	713493,731854	22.4	14.4	10.2	<1
AQ346	713430,732518	40.0	16.8	11.7	1
AQ347	713466,732543	38.9	16.9	11.7	1
AQ348	713475,731990	25.8	14.8	10.5	<1
AQ349	713562,732015	24.3	14.6	10.4	<1
AQ350	713695,732060	24.0	14.6	10.4	<1
AQ351	713739,732071	24.5	14.7	10.4	<1
AQ352	713805,732098	23.4	14.5	10.3	<1
AQ353	713879,732062	21.6	14.3	10.2	1
AQ354	713770,732091	23.1	14.5	10.3	<1
AQ355	713943,732101	22.4	14.4	10.2	<1
AQ356	713851,732111	23.6	14.5	10.3	<1
AQ357	713892,732157	22.3	14.4	10.2	<1
AQ358	709204,727615	26.8	14.9	10.5	<1
AQ359	709175,727632	22.5	14.4	10.2	<1
AQ360	707886,728105	21.1	14.2	10.1	1
AQ361	708341,727471	23.8	14.6	10.3	<1
AQ362	708313,727433	23.6	14.5	10.3	<1
AQ363	708010,727943	21.6	14.3	10.2	1
AQ364	708295,727572	23.1	14.4	10.3	<1
AQ365	709263,727640	22.6	14.4	10.3	<1
AQ366	709433,727719	22.1	14.4	10.2	<1
AQ367	709363,727665	22.9	14.5	10.3	<1
AQ368	709453,727677	22.9	14.5	10.3	<1
AQ369	709612,728189	21.9	14.3	10.2	<1
AQ370	709718,728756	26.0	14.8	10.5	<1
AQ371	711920,730460	22.2	14.3	10.2	<1
AQ372	711952,730541	22.4	14.4	10.2	<1
AQ373	712037,730676	24.6	14.7	10.4	<1
AQ374	712216,730828	21.1	14.2	10.1	1
AQ375	712150,730959	24.7	14.7	10.4	<1
AQ376	712241,731097	25.5	14.8	10.5	<1
AQ377	712371,731206	23.0	14.5	10.3	<1
AQ378	712548,731286	22.9	14.4	10.3	<1
AQ379	712221,731310	22.6	14.4	10.3	<1
AQ380	712221,731454	21.6	14.3	10.2	1
AQ381	712092,731439	22.3	14.4	10.2	<1
AQ382	712279,731488	21.5	14.2	10.1	1
AQ383	712385,731653	21.3	14.2	10.1	1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ384	712482,731744	21.4	14.2	10.1	1
AQ385	712574,731805	21.6	14.2	10.1	1
AQ386	712441,731697	21.4	14.2	10.1	1
AQ387	711975,731522	22.2	14.4	10.2	<1
AQ388	712810,731339	22.2	14.3	10.2	<1
AQ389	712730,731354	22.6	14.4	10.2	<1
AQ390	712940,731416	21.5	14.2	10.1	1
AQ391	712859,731431	23.6	14.5	10.3	<1
AQ392	712860,731498	23.7	14.6	10.3	<1
AQ393	712824,731563	25.7	14.8	10.5	<1
AQ394	712770,731658	23.0	14.5	10.3	<1
AQ395	712772,731782	24.4	14.6	10.4	<1
AQ396	712737,731809	23.9	14.6	10.3	<1
AQ397	712293,732117	25.2	14.7	10.4	<1
AQ398	712265,732252	23.4	14.5	10.3	<1
AQ399	712043,732350	21.3	14.2	10.1	1
AQ400	711950,732447	21.1	14.2	10.1	1
AQ401	711983,732386	21.1	14.2	10.1	1
AQ402	711924,732498	20.9	14.2	10.1	1
AQ403	710154,732523	25.1	14.8	10.5	<1
AQ404	710107,732727	22.8	14.5	10.3	<1
AQ405	709982,729155	22.7	14.4	10.3	<1
AQ406	710287,729920	23.5	14.6	10.3	<1
AQ407	710360,730158	22.8	14.5	10.3	<1
AQ408	711201,730773	24.0	14.7	10.4	<1
AQ409	711235,730661	22.8	14.4	10.3	<1
AQ410	711407,730481	23.4	14.5	10.3	<1
AQ411	706459,731801	25.7	15.0	10.6	<1
AQ412	706519,731857	24.7	14.9	10.5	<1
AQ413	706717,732008	24.4	14.7	10.4	<1
AQ414	706643,732319	24.2	14.6	10.3	<1
AQ415	706666,732287	24.8	14.6	10.4	<1
AQ416	706780,732101	26.8	14.8	10.5	<1
AQ417	707029,732119	28.1	15.3	10.8	<1
AQ418	707281,732062	22.4	14.4	10.2	<1
AQ419	707950,732011	23.8	14.7	10.4	<1
AQ420	710199,731842	29.5	15.6	10.9	1
AQ421	710634,731372	22.7	14.5	10.3	<1
AQ422	710789,731267	24.1	14.7	10.4	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ423	710792,731206	23.0	14.5	10.3	<1
AQ424	710896,731095	23.5	14.6	10.3	<1
AQ425	710969,731074	24.7	14.8	10.5	<1
AQ426	711183,730737	22.9	14.5	10.3	<1
AQ427	708088,727835	22.0	14.3	10.2	<1
AQ428	711703,730906	23.3	14.6	10.3	<1
AQ429	711385,730930	23.3	14.6	10.3	<1
AQ430	712372,730736	20.4	14.1	10.1	1
AQ431	712679,731978	24.0	14.5	10.3	<1
AQ432	712713,733250	23.3	14.5	10.3	<1
AQ433	714098,733444	32.2	15.6	11.0	1
AQ434	714300,733648	29.3	15.2	10.7	<1
AQ435	714651,734058	32.4	15.8	11.1	1
AQ436	714897,734062	35.5	16.1	11.3	1
AQ437	715062,733342	37.1	16.7	11.6	1
AQ438	715200,733392	26.8	14.9	10.5	<1
AQ439	714953,733379	22.6	14.4	10.2	<1
AQ440	714874,733213	22.1	14.3	10.2	1
AQ441	715015,733129	38.2	16.4	11.5	1
AQ442	714886,732820	47.9	17.7	12.3	1
AQ443	714168,733585	29.2	15.2	10.7	<1
AQ444	714711,734293	36.8	16.4	11.5	1
AQ445	714817,734262	55.8	18.5	12.8	2
AQ446	714795,734086	50.1	18.4	12.6	2
AQ447	715239,732732	28.9	15.3	10.8	<1
AQ448	715031,732732	34.2	16.1	11.2	1
AQ449	714985,732701	32.2	15.6	11.0	1
AQ450	712140,731955	34.9	16.0	11.2	1
AQ451	711028,731732	23.5	14.6	10.3	<1
AQ452	711576,732588	22.2	14.3	10.2	<1
AQ453	711523,732540	21.9	14.3	10.2	1
AQ454	711607,732761	22.5	14.4	10.2	<1
AQ455	707749,728609	21.1	14.2	10.1	1
AQ456	708137,728787	21.2	14.2	10.1	1
AQ457	707613,728293	21.3	14.2	10.1	1
AQ458	709725,729545	23.1	14.6	10.3	<1
AQ459	709509,729656	28.6	15.5	10.9	1
AQ460	709392,729665	30.1	15.8	11.1	1
AQ461	709295,729869	30.6	15.9	11.1	1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ462	709060,730248	30.1	15.9	11.1	1
AQ463	708394,731369	24.0	14.8	10.5	<1
AQ464	708493,731185	34.2	16.8	11.6	1
AQ465	708329,731015	29.8	15.7	11.0	1
AQ466	708107,731841	24.1	14.8	10.4	<1
AQ467	707975,731634	25.4	14.9	10.5	<1
AQ468	707587,731211	22.6	14.5	10.3	<1
AQ469	707955,732557	26.2	15.1	10.7	<1
AQ470	707699,731990	25.3	14.8	10.5	<1
AQ471	707758,731863	26.2	15.0	10.6	<1
AQ472	709137,730103	30.3	15.9	11.1	1
AQ473	708853,729304	22.7	14.5	10.3	<1
AQ474	708553,729077	22.7	14.4	10.3	<1
AQ475	708639,728797	25.6	14.9	10.5	<1
AQ476	708952,728846	22.2	14.4	10.2	<1
AQ477	708970,728796	21.9	14.3	10.2	<1
AQ478	709749,728804	23.4	14.5	10.3	<1
AQ479	709664,728827	27.6	15.1	10.7	<1
Air Quality Limit Value Objective		40	40	25	35

In the cumulative 2028 DS scenario annual mean concentrations of NO₂ are above the relevant national air quality limit value objective in some areas; 24 exceedances were modelled at receptors on the the N1 Church Street, the R108 High Street, the R110 The Coombe / Cork Street / Dolphin Barn Street / Crumlin Road and the R137 Patrick Street / Clanbrassil Street Lower. Annual mean NO₂ concentrations did not exceed 60 $\mu\text{g}/\text{m}^3$, indicating that exceedances of the NO₂ 1-hour mean are unlikely to occur. Annual mean PM₁₀ concentrations are below the relevant national air quality limit value objectives for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM₁₀ concentration indicated that there is likely to be no more than two exceedance of the 50 $\mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean PM_{2.5} concentrations are also below the relevant national air quality limit value limit value objectives for all modelled receptors.

2.2 'Do Something' Scenario

Predicted annual mean concentrations of NO₂, PM₁₀, PM_{2.5} and the number of exceedances of the 24-hour PM₁₀ objective, at all modelled existing air quality sensitive receptors in the cumulative 2028 DS scenario are listed in Table 2.2. Locations of these receptors are shown in Figures 7.3 – 7.5 in Volume 3 of this EIAR.

Table 2.2: Predicted Cumulative 2028 Do Something Operational Scenario Pollutant Statistics At All Modelled Receptor Locations

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713982,733049	28.4	15.1	10.7	<1
AQ2	713098,732306	29.4	15.4	10.8	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ3	715117,733489	23.4	14.4	10.3	<1
AQ4	715020,733263	31.2	15.6	11.0	1
AQ5	715064,733787	37.3	16.3	11.4	1
AQ6	715032,733335	30.6	15.6	10.9	1
AQ7	709967,729203	22.0	14.4	10.2	<1
AQ8	714894,733434	22.2	14.3	10.2	1
AQ9	709995,729116	24.1	14.6	10.4	<1
AQ10	714981,733737	23.7	14.5	10.3	<1
AQ11	709589,728524	21.0	14.2	10.1	1
AQ12	713844,733170	21.9	14.3	10.2	1
AQ13	708273,727787	24.4	14.6	10.4	<1
AQ14	714269,733246	21.9	14.3	10.2	1
AQ15	711161,731453	22.1	14.3	10.2	<1
AQ16	710315,732026	33.1	16.0	11.2	1
AQ17	714943,734088	31.1	15.5	10.9	<1
AQ18	713653,732038	27.2	14.9	10.5	<1
AQ19	711073,731665	22.6	14.4	10.3	<1
AQ20	711847,731861	26.7	14.8	10.5	<1
AQ21	711986,731890	29.7	15.3	10.8	<1
AQ22	714911,733502	37.6	15.9	11.2	1
AQ23	713632,731991	22.5	14.3	10.2	<1
AQ24	708212,727603	22.6	14.4	10.3	<1
AQ25	713726,732044	24.9	14.6	10.4	<1
AQ26	713437,732489	41.3	16.5	11.5	1
AQ27	712387,732100	23.9	14.6	10.3	<1
AQ28	715152,733778	24.0	14.5	10.3	<1
AQ29	711147,731588	21.5	14.3	10.2	1
AQ30	711895,731365	21.0	14.2	10.1	1
AQ31	709515,728004	22.2	14.4	10.2	<1
AQ32	708720,728067	21.6	14.3	10.2	1
AQ33	710186,731814	29.0	15.4	10.9	<1
AQ34	715010,733842	25.1	14.6	10.4	<1
AQ35	713377,732440	40.4	16.4	11.5	1
AQ36	708228,727843	21.5	14.2	10.1	1
AQ37	714033,732488	21.4	14.2	10.1	1
AQ38	713891,732900	35.0	15.8	11.1	1
AQ39	713142,732334	33.1	16.0	11.2	1
AQ40	709826,729106	22.1	14.3	10.2	<1
AQ41	709812,729183	23.0	14.5	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ42	709832,729290	25.2	14.8	10.5	<1
AQ43	709840,729249	23.2	14.5	10.3	<1
AQ44	709782,729328	23.3	14.5	10.3	<1
AQ45	709907,729341	23.3	14.5	10.3	<1
AQ46	709795,729237	28.1	15.2	10.7	<1
AQ47	709666,728792	22.7	14.4	10.3	<1
AQ48	709682,728878	23.2	14.3	10.3	<1
AQ49	709680,728959	22.3	14.3	10.2	<1
AQ50	709691,729006	22.5	14.4	10.2	<1
AQ51	709698,729067	22.5	14.4	10.3	<1
AQ52	709730,729147	23.7	14.6	10.4	<1
AQ53	709751,729088	25.0	14.8	10.5	<1
AQ54	709784,729131	23.1	14.5	10.3	<1
AQ55	709779,729049	22.5	14.4	10.2	<1
AQ56	709743,729241	22.9	14.5	10.3	<1
AQ57	713940,733135	30.6	15.5	10.9	1
AQ58	714097,733222	38.9	16.5	11.5	1
AQ59	714047,733216	35.4	16.1	11.3	1
AQ60	714072,733235	35.5	16.0	11.2	1
AQ61	714400,733355	28.0	15.2	10.7	<1
AQ62	714183,733307	35.1	16.1	11.3	1
AQ63	714122,733271	51.2	17.5	12.1	1
AQ64	714097,733260	37.4	16.2	11.4	1
AQ65	713950,733076	36.0	16.4	11.5	1
AQ66	713920,733080	36.2	16.4	11.5	1
AQ67	713972,733108	35.4	16.3	11.4	1
AQ68	713970,733167	30.9	15.6	11.0	1
AQ69	714007,733184	33.9	16.1	11.2	1
AQ70	713551,732602	37.5	16.7	11.6	1
AQ71	713578,732585	33.3	16.0	11.2	1
AQ72	713587,732626	34.9	16.2	11.3	1
AQ73	713609,732606	33.6	16.0	11.2	1
AQ74	713706,732687	36.0	16.1	11.3	1
AQ75	713781,732826	40.7	16.6	11.6	1
AQ76	713761,732742	32.8	15.8	11.1	1
AQ77	713829,732828	39.3	16.4	11.4	1
AQ78	713840,732860	43.6	17.0	11.8	1
AQ79	713909,733056	33.1	15.9	11.1	1
AQ80	713805,732857	50.2	18.0	12.4	2

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ81	713815,732922	32.6	15.6	11.0	1
AQ82	713877,732905	45.8	17.0	11.9	1
AQ83	713884,732966	42.9	16.3	11.8	1
AQ84	714335,733366	29.3	15.5	10.9	1
AQ85	714389,733378	29.3	15.5	10.9	1
AQ86	714301,733356	29.6	15.5	10.9	1
AQ87	714468,733396	30.7	15.7	11.0	1
AQ88	714437,733387	31.9	15.9	11.1	1
AQ89	714254,733340	32.5	15.9	11.1	1
AQ90	714888,733466	28.5	15.0	10.6	<1
AQ91	714936,733512	36.4	15.8	11.1	1
AQ92	714903,733530	33.1	15.4	10.9	<1
AQ93	714595,733452	32.8	15.6	11.0	1
AQ94	714670,733457	33.0	15.9	11.1	1
AQ95	714694,733471	29.2	15.3	10.8	<1
AQ96	714743,733478	28.3	15.3	10.8	<1
AQ97	714829,733480	29.3	15.3	10.8	<1
AQ98	714775,733480	28.5	15.3	10.8	<1
AQ99	715080,733859	34.9	15.8	11.1	1
AQ100	715039,733934	39.2	16.1	11.3	1
AQ101	714530,733414	34.8	16.0	11.2	1
AQ102	710834,730968	26.6	15.1	10.6	<1
AQ103	710804,730972	25.5	14.9	10.5	<1
AQ104	710937,730918	28.3	15.3	10.8	<1
AQ105	710898,730907	25.8	14.9	10.6	<1
AQ106	710870,730962	26.2	15.0	10.6	<1
AQ107	710949,730955	27.9	15.3	10.7	<1
AQ108	710824,731658	23.6	14.5	10.3	<1
AQ109	710861,731660	23.2	14.5	10.3	<1
AQ110	715042,733653	34.7	16.1	11.3	1
AQ111	714995,733508	34.5	15.7	11.0	1
AQ112	715029,733549	34.0	15.9	11.1	1
AQ113	715008,733471	34.8	15.6	11.0	1
AQ114	715108,733441	32.9	15.8	11.1	1
AQ115	714984,733481	34.3	15.6	11.0	1
AQ116	715018,733776	29.3	15.2	10.7	<1
AQ117	715038,733814	32.2	15.6	11.0	1
AQ118	715064,733826	34.1	15.9	11.1	1
AQ119	715034,733702	30.6	15.4	10.8	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ120	715065,733668	34.2	16.0	11.2	1
AQ121	715065,733728	33.1	15.7	11.0	1
AQ122	711327,731122	21.8	14.3	10.2	<1
AQ123	711396,731175	21.6	14.3	10.2	1
AQ124	711417,731189	21.7	14.3	10.2	1
AQ125	711314,731153	21.9	14.3	10.2	<1
AQ126	711333,731180	21.7	14.3	10.2	1
AQ127	711377,731157	21.6	14.3	10.2	1
AQ128	711445,731260	22.0	14.3	10.2	<1
AQ129	711462,731228	21.9	14.3	10.2	<1
AQ130	711472,731277	22.0	14.3	10.2	<1
AQ131	711503,731256	21.6	14.3	10.2	1
AQ132	711420,731239	22.0	14.3	10.2	<1
AQ133	711318,731640	22.7	14.4	10.3	<1
AQ134	711314,731743	24.5	14.7	10.4	<1
AQ135	711348,731688	23.6	14.5	10.3	<1
AQ136	711341,731746	25.5	14.8	10.5	<1
AQ137	711364,731642	22.9	14.5	10.3	<1
AQ138	711381,731755	25.5	14.8	10.5	<1
AQ139	711453,731725	26.3	14.8	10.5	<1
AQ140	711534,731744	24.8	14.7	10.4	<1
AQ141	711563,731751	24.6	14.7	10.4	<1
AQ142	711502,731736	25.0	14.7	10.4	<1
AQ143	711524,731778	27.7	15.1	10.6	<1
AQ144	711614,731798	27.0	15.1	10.7	<1
AQ145	711738,731786	24.2	14.7	10.4	<1
AQ146	711654,731807	26.8	15.1	10.7	<1
AQ147	711599,731759	24.9	14.7	10.4	<1
AQ148	711630,731767	24.7	14.7	10.4	<1
AQ149	711565,731787	27.9	15.1	10.7	<1
AQ150	711767,731791	24.3	14.7	10.4	<1
AQ151	711855,731803	25.2	14.6	10.4	<1
AQ152	711867,731839	27.9	15.0	10.6	<1
AQ153	711739,731823	26.7	15.1	10.6	<1
AQ154	711194,731062	22.8	14.4	10.3	<1
AQ155	711218,731082	22.5	14.4	10.2	<1
AQ156	711279,731083	22.1	14.3	10.2	<1
AQ157	711284,731130	22.0	14.3	10.2	<1
AQ158	711255,731061	22.3	14.4	10.2	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ159	711509,731311	21.7	14.3	10.2	1
AQ160	711554,731300	21.6	14.3	10.2	1
AQ161	711564,731348	21.8	14.3	10.2	1
AQ162	711612,731388	22.0	14.3	10.2	<1
AQ163	711646,731413	21.7	14.3	10.2	1
AQ164	711722,731475	21.5	14.2	10.1	1
AQ165	711753,731496	21.5	14.2	10.1	1
AQ166	711657,731425	21.6	14.3	10.2	1
AQ167	711292,731509	22.1	14.4	10.2	<1
AQ168	711306,731549	22.5	14.4	10.3	<1
AQ169	711327,731583	22.6	14.4	10.3	<1
AQ170	711784,731519	21.5	14.2	10.1	1
AQ171	710961,730810	23.2	14.5	10.3	<1
AQ172	711036,730842	24.3	14.7	10.4	<1
AQ173	711010,730792	23.1	14.5	10.3	<1
AQ174	711012,730879	24.3	14.7	10.4	<1
AQ175	710986,730929	26.0	14.9	10.5	<1
AQ176	711000,730964	29.5	15.4	10.8	<1
AQ177	711128,731132	24.5	14.7	10.4	<1
AQ178	711149,731158	24.1	14.6	10.4	<1
AQ179	711073,731058	24.4	14.7	10.4	<1
AQ180	711118,731035	25.2	14.7	10.4	<1
AQ181	711174,731264	23.0	14.5	10.3	<1
AQ182	711127,731256	22.7	14.4	10.3	<1
AQ183	711096,731160	24.5	14.7	10.4	<1
AQ184	711085,731121	23.9	14.6	10.4	<1
AQ185	711103,731184	23.7	14.6	10.3	<1
AQ186	711145,730924	25.2	14.8	10.5	<1
AQ187	711099,730828	22.5	14.4	10.3	<1
AQ188	711165,731035	23.6	14.5	10.3	<1
AQ189	711175,730977	25.5	14.8	10.5	<1
AQ190	711193,731018	23.5	14.5	10.3	<1
AQ191	711205,731027	23.1	14.5	10.3	<1
AQ192	710885,731661	23.2	14.5	10.3	<1
AQ193	711256,731541	22.2	14.4	10.2	<1
AQ194	711275,731571	22.3	14.4	10.2	<1
AQ195	711208,731366	22.9	14.5	10.3	<1
AQ196	711151,731325	22.4	14.4	10.2	<1
AQ197	711191,731315	22.9	14.5	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $>50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ198	711228,731494	22.3	14.4	10.2	<1
AQ199	711220,731400	22.8	14.4	10.3	<1
AQ200	711196,731443	22.4	14.4	10.2	<1
AQ201	712454,732065	30.8	15.6	11.0	1
AQ202	712465,732099	36.8	16.6	11.5	1
AQ203	712588,732157	30.9	15.7	11.0	1
AQ204	712657,732137	36.7	16.3	11.4	1
AQ205	712515,732128	31.6	15.8	11.1	1
AQ206	712557,732136	34.3	16.3	11.3	1
AQ207	712853,732260	31.3	15.7	11.0	1
AQ208	712895,732238	32.9	16.0	11.2	1
AQ209	712703,732192	36.3	16.6	11.5	1
AQ210	712726,732207	32.8	16.0	11.2	1
AQ211	712765,732187	32.1	15.9	11.1	1
AQ212	712807,732204	33.1	16.0	11.2	1
AQ213	712933,732253	32.7	16.0	11.2	1
AQ214	712998,732278	30.3	15.6	10.9	1
AQ215	713040,732294	30.2	15.5	10.9	1
AQ216	712939,732294	32.1	15.9	11.1	1
AQ217	712936,731853	22.3	14.4	10.2	<1
AQ218	712887,731859	22.7	14.4	10.2	<1
AQ219	713010,731845	21.9	14.3	10.2	<1
AQ220	712981,731849	22.1	14.3	10.2	<1
AQ221	712673,731873	22.6	14.4	10.2	<1
AQ222	712702,731904	23.9	14.6	10.3	<1
AQ223	712705,731850	22.6	14.4	10.2	<1
AQ224	712888,731890	23.8	14.6	10.3	<1
AQ225	712735,731903	25.0	14.7	10.4	<1
AQ226	712448,731863	21.8	14.3	10.2	1
AQ227	712397,731882	22.5	14.4	10.2	<1
AQ228	712493,731891	22.3	14.4	10.2	<1
AQ229	712949,731886	23.2	14.5	10.3	<1
AQ230	712774,731868	24.7	14.7	10.4	<1
AQ231	712791,731903	24.9	14.7	10.4	<1
AQ232	712675,731917	24.0	14.5	10.3	<1
AQ233	712646,731921	22.8	14.4	10.2	<1
AQ234	712396,732043	31.3	15.6	11.0	1
AQ235	712542,732099	30.3	15.6	10.9	1
AQ236	712588,731906	22.1	14.3	10.2	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $>50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ237	712609,731878	22.2	14.3	10.2	<1
AQ238	712628,731873	22.3	14.3	10.2	<1
AQ239	712846,731895	25.4	14.8	10.5	<1
AQ240	712813,731837	22.6	14.4	10.2	<1
AQ241	712749,731854	25.7	14.9	10.5	<1
AQ242	712806,731866	24.3	14.6	10.4	<1
AQ243	712814,731897	26.0	14.9	10.5	<1
AQ244	712840,731859	23.2	14.5	10.3	<1
AQ245	713030,731876	23.0	14.5	10.3	<1
AQ246	712538,731871	21.8	14.3	10.2	1
AQ247	711889,731601	21.7	14.3	10.2	1
AQ248	711801,731533	21.5	14.2	10.1	1
AQ249	711843,731565	21.6	14.2	10.2	1
AQ250	711965,731609	21.9	14.3	10.2	<1
AQ251	712003,731722	22.1	14.3	10.2	<1
AQ252	711945,731642	22.2	14.4	10.2	<1
AQ253	711938,731810	31.5	15.6	10.9	1
AQ254	712044,731720	22.1	14.3	10.2	<1
AQ255	711975,731679	22.0	14.3	10.2	<1
AQ256	711896,731806	24.5	14.6	10.4	<1
AQ257	711961,731812	31.2	15.5	10.9	1
AQ258	712026,731756	26.5	15.0	10.6	<1
AQ259	712027,731819	30.1	15.4	10.8	<1
AQ260	712042,731782	27.2	15.0	10.6	<1
AQ261	712055,731801	28.3	15.2	10.7	<1
AQ262	712093,731798	27.6	15.1	10.7	<1
AQ263	712085,731784	27.1	15.0	10.6	<1
AQ264	712264,731831	22.1	14.3	10.2	<1
AQ265	712192,731847	28.2	15.1	10.7	<1
AQ266	712330,731845	22.0	14.3	10.2	<1
AQ267	712272,731856	22.7	14.4	10.2	<1
AQ268	712345,731873	22.5	14.4	10.2	<1
AQ269	712133,731859	32.0	15.6	10.9	1
AQ270	712161,731824	27.1	15.0	10.6	<1
AQ271	712160,731896	33.1	15.6	11.0	1
AQ272	712185,731985	44.2	17.0	11.8	1
AQ273	712192,731932	33.5	15.7	11.0	1
AQ274	712287,731999	33.9	15.9	11.1	1
AQ275	712228,732006	40.7	16.8	11.7	1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ276	712240,731975	34.6	15.9	11.2	1
AQ277	712252,732026	35.8	16.1	11.3	1
AQ278	712334,732019	34.1	15.9	11.1	1
AQ279	712416,732080	36.2	16.5	11.5	1
AQ280	713212,732362	33.3	15.9	11.2	1
AQ281	713242,731894	22.0	14.3	10.2	<1
AQ282	713296,731879	22.7	14.4	10.2	<1
AQ283	713319,731925	21.6	14.3	10.2	1
AQ284	713327,732407	35.8	16.1	11.2	1
AQ285	713310,732457	32.9	15.6	11.0	1
AQ286	713332,732412	37.5	16.2	11.3	1
AQ287	713345,732482	36.2	16.0	11.2	1
AQ288	713271,731905	21.9	14.3	10.2	1
AQ289	713279,731848	22.0	14.3	10.2	<1
AQ290	713338,731866	22.9	14.4	10.3	<1
AQ291	713342,731904	21.8	14.3	10.2	1
AQ292	713358,731937	21.7	14.3	10.2	1
AQ293	713364,731937	21.8	14.3	10.2	1
AQ294	713475,731780	22.4	14.4	10.2	<1
AQ295	713497,731811	23.8	14.5	10.3	<1
AQ296	713453,731821	23.8	14.5	10.3	<1
AQ297	713353,731830	22.1	14.3	10.2	<1
AQ298	713241,731852	22.2	14.3	10.2	<1
AQ299	713168,731872	23.1	14.5	10.3	<1
AQ300	713081,731877	22.6	14.4	10.2	<1
AQ301	713081,731843	22.0	14.3	10.2	<1
AQ302	713105,731839	21.9	14.3	10.2	<1
AQ303	713068,732335	36.4	16.5	11.5	1
AQ304	713094,732345	36.1	16.5	11.5	1
AQ305	713138,731872	23.0	14.5	10.3	<1
AQ306	713145,731840	22.0	14.3	10.2	<1
AQ307	713108,731897	22.2	14.3	10.2	<1
AQ308	713210,731879	22.8	14.4	10.3	<1
AQ309	713496,731723	21.2	14.2	10.1	1
AQ310	713429,731796	22.3	14.3	10.2	<1
AQ311	714227,732376	23.4	14.5	10.3	<1
AQ312	714169,732263	23.0	14.4	10.3	<1
AQ313	714303,732465	24.5	14.7	10.4	<1
AQ314	714271,732496	24.4	14.6	10.4	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ315	714262,732437	23.3	14.5	10.3	<1
AQ316	714267,732372	23.2	14.5	10.3	<1
AQ317	714281,732393	23.4	14.5	10.3	<1
AQ318	708347,727670	22.3	14.3	10.2	<1
AQ319	709089,727746	21.6	14.3	10.2	<1
AQ320	708638,727689	21.1	14.2	10.1	1
AQ321	708908,727798	25.2	14.7	10.4	<1
AQ322	709457,727767	21.6	14.3	10.2	1
AQ323	709513,727878	22.1	14.3	10.2	<1
AQ324	714137,732279	23.2	14.5	10.3	<1
AQ325	714146,732229	22.3	14.4	10.2	<1
AQ326	714225,732308	22.2	14.3	10.2	<1
AQ327	714182,732342	22.4	14.4	10.2	<1
AQ328	713996,732117	22.0	14.3	10.2	<1
AQ329	714023,732171	23.8	14.6	10.3	<1
AQ330	714054,732200	23.0	14.5	10.3	<1
AQ331	714082,732227	23.0	14.5	10.3	<1
AQ332	714088,732172	22.1	14.3	10.2	<1
AQ333	713476,732509	32.6	15.7	11.0	1
AQ334	713386,731864	22.2	14.3	10.2	<1
AQ335	713385,731920	21.8	14.3	10.2	1
AQ336	713423,731841	22.8	14.4	10.2	<1
AQ337	713423,731935	22.3	14.3	10.2	<1
AQ338	713418,731836	23.2	14.5	10.3	<1
AQ339	713438,731973	23.3	14.5	10.3	<1
AQ340	713430,732002	23.0	14.4	10.3	<1
AQ341	713387,732488	47.8	17.1	11.9	1
AQ342	713502,732567	38.5	16.8	11.7	1
AQ343	713462,731924	24.4	14.6	10.3	<1
AQ344	713478,731886	24.2	14.6	10.3	<1
AQ345	713493,731854	23.8	14.5	10.3	<1
AQ346	713430,732518	40.7	16.7	11.6	1
AQ347	713466,732543	38.9	16.8	11.7	1
AQ348	713475,731990	25.6	14.7	10.4	<1
AQ349	713562,732015	25.1	14.6	10.4	<1
AQ350	713695,732060	24.7	14.6	10.4	<1
AQ351	713739,732071	25.4	14.7	10.4	<1
AQ352	713805,732098	23.6	14.5	10.3	<1
AQ353	713879,732062	21.7	14.3	10.2	1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $>50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ354	713770,732091	23.5	14.5	10.3	<1
AQ355	713943,732101	22.4	14.4	10.2	<1
AQ356	713851,732111	23.7	14.6	10.3	<1
AQ357	713892,732157	22.4	14.4	10.2	<1
AQ358	709204,727615	26.4	14.8	10.5	<1
AQ359	709175,727632	22.4	14.4	10.2	<1
AQ360	707886,728105	21.1	14.2	10.1	1
AQ361	708341,727471	24.9	14.6	10.3	<1
AQ362	708313,727433	24.0	14.5	10.3	<1
AQ363	708010,727943	21.6	14.3	10.2	1
AQ364	708295,727572	22.8	14.4	10.2	<1
AQ365	709263,727640	22.4	14.4	10.2	<1
AQ366	709433,727719	22.0	14.3	10.2	<1
AQ367	709363,727665	22.5	14.4	10.3	<1
AQ368	709453,727677	23.3	14.3	10.3	<1
AQ369	709612,728189	21.5	14.3	10.2	1
AQ370	709718,728756	23.6	14.5	10.3	<1
AQ371	711920,730460	22.8	14.4	10.3	<1
AQ372	711952,730541	23.2	14.5	10.3	<1
AQ373	712037,730676	26.0	14.9	10.6	<1
AQ374	712216,730828	21.3	14.2	10.1	1
AQ375	712150,730959	25.2	14.7	10.4	<1
AQ376	712241,731097	26.1	14.8	10.5	<1
AQ377	712371,731206	23.4	14.5	10.3	<1
AQ378	712548,731286	23.3	14.5	10.3	<1
AQ379	712221,731310	22.6	14.4	10.3	<1
AQ380	712221,731454	21.8	14.3	10.2	1
AQ381	712092,731439	22.6	14.4	10.3	<1
AQ382	712279,731488	21.7	14.3	10.2	1
AQ383	712385,731653	21.5	14.2	10.1	1
AQ384	712482,731744	21.5	14.2	10.1	1
AQ385	712574,731805	21.6	14.3	10.2	1
AQ386	712441,731697	21.5	14.2	10.1	1
AQ387	711975,731522	22.5	14.4	10.2	<1
AQ388	712810,731339	22.5	14.4	10.2	<1
AQ389	712730,731354	22.9	14.5	10.3	<1
AQ390	712940,731416	21.7	14.3	10.2	1
AQ391	712859,731431	24.0	14.6	10.4	<1
AQ392	712860,731498	24.1	14.6	10.4	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM ₁₀ days >50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ393	712824,731563	26.2	15.0	10.6	<1
AQ394	712770,731658	23.3	14.5	10.3	<1
AQ395	712772,731782	24.5	14.7	10.4	<1
AQ396	712737,731809	24.0	14.6	10.4	<1
AQ397	712293,732117	26.8	14.9	10.5	<1
AQ398	712265,732252	25.5	14.7	10.5	<1
AQ399	712043,732350	21.6	14.3	10.2	1
AQ400	711950,732447	21.4	14.2	10.1	1
AQ401	711983,732386	21.4	14.2	10.1	1
AQ402	711924,732498	21.1	14.2	10.1	1
AQ403	710154,732523	23.7	14.6	10.4	<1
AQ404	710107,732727	22.2	14.4	10.2	<1
AQ405	709982,729155	22.2	14.4	10.2	<1
AQ406	710287,729920	22.7	14.5	10.3	<1
AQ407	710360,730158	21.7	14.3	10.2	<1
AQ408	711201,730773	23.7	14.6	10.4	<1
AQ409	711235,730661	22.6	14.4	10.2	<1
AQ410	711407,730481	23.1	14.5	10.3	<1
AQ411	706459,731801	25.4	15.0	10.6	<1
AQ412	706519,731857	24.4	14.8	10.5	<1
AQ413	706717,732008	24.0	14.7	10.4	<1
AQ414	706643,732319	24.1	14.6	10.3	<1
AQ415	706666,732287	24.7	14.6	10.4	<1
AQ416	706780,732101	26.4	14.8	10.5	<1
AQ417	707029,732119	26.3	15.1	10.6	<1
AQ418	707281,732062	22.1	14.4	10.2	<1
AQ419	707950,732011	23.7	14.7	10.4	<1
AQ420	710199,731842	29.5	15.5	10.9	1
AQ421	710634,731372	22.2	14.4	10.2	<1
AQ422	710789,731267	23.1	14.5	10.3	<1
AQ423	710792,731206	22.2	14.4	10.2	<1
AQ424	710896,731095	22.8	14.5	10.3	<1
AQ425	710969,731074	23.6	14.6	10.4	<1
AQ426	711183,730737	22.7	14.5	10.3	<1
AQ427	708088,727835	21.9	14.3	10.2	<1
AQ428	711703,730906	23.3	14.6	10.3	<1
AQ429	711385,730930	23.3	14.6	10.3	<1
AQ430	712372,730736	20.4	14.1	10.1	1
AQ431	712679,731978	24.0	14.5	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $>50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ432	712713,733250	23.9	14.5	10.3	<1
AQ433	714098,733444	31.1	15.5	10.9	1
AQ434	714300,733648	32.1	15.6	11.0	1
AQ435	714651,734058	33.9	16.0	11.2	1
AQ436	714897,734062	33.4	15.8	11.1	1
AQ437	715062,733342	34.0	16.1	11.3	1
AQ438	715200,733392	26.5	14.8	10.5	<1
AQ439	714953,733379	22.9	14.4	10.2	<1
AQ440	714874,733213	22.5	14.3	10.2	<1
AQ441	715015,733129	33.9	16.0	11.2	1
AQ442	714886,732820	41.9	16.8	11.7	1
AQ443	714168,733585	32.6	15.6	11.0	1
AQ444	714711,734293	36.3	16.4	11.4	1
AQ445	714817,734262	51.2	18.1	12.5	2
AQ446	714795,734086	44.4	17.4	12.0	1
AQ447	715239,732732	28.9	15.3	10.8	<1
AQ448	715031,732732	35.0	16.2	11.3	1
AQ449	714985,732701	32.3	15.6	10.9	1
AQ450	712140,731955	36.0	16.0	11.2	1
AQ451	711028,731732	23.5	14.6	10.3	<1
AQ452	711576,732588	22.6	14.4	10.2	<1
AQ453	711523,732540	22.3	14.3	10.2	<1
AQ454	711607,732761	22.9	14.4	10.3	<1
AQ455	707749,728609	21.0	14.2	10.1	1
AQ456	708137,728787	21.1	14.2	10.1	1
AQ457	707613,728293	21.5	14.3	10.2	1
AQ458	709725,729545	23.0	14.5	10.3	<1
AQ459	709509,729656	28.3	15.5	10.9	<1
AQ460	709392,729665	29.6	15.7	11.0	1
AQ461	709295,729869	30.4	15.9	11.1	1
AQ462	709060,730248	30.2	15.9	11.1	1
AQ463	708394,731369	24.1	14.8	10.5	<1
AQ464	708493,731185	34.2	16.8	11.6	1
AQ465	708329,731015	29.6	15.7	11.0	1
AQ466	708107,731841	24.2	14.8	10.4	<1
AQ467	707975,731634	25.0	14.8	10.5	<1
AQ468	707587,731211	22.9	14.5	10.3	<1
AQ469	707955,732557	26.4	15.1	10.7	<1
AQ470	707699,731990	24.5	14.7	10.4	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No. of PM_{10} days $>50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ471	707758,731863	25.3	14.9	10.5	<1
AQ472	709137,730103	30.3	15.9	11.1	1
AQ473	708853,729304	22.5	14.4	10.3	<1
AQ474	708553,729077	22.3	14.4	10.2	<1
AQ475	708639,728797	24.6	14.8	10.4	<1
AQ476	708952,728846	21.9	14.3	10.2	<1
AQ477	708970,728796	21.6	14.3	10.2	<1
AQ478	709749,728804	22.4	14.3	10.2	<1
AQ479	709664,728827	26.0	14.8	10.5	<1
Air Quality Limit Value Objective		40	40	25	35

In the cumulative 2028 DS scenario annual mean concentrations of NO_2 are above the relevant national air quality limit value objective in some areas; 15 exceedances were modelled at receptors on the N1 Church Street, the R108 High Street, the R110 Cork Street / Dolphin Barn Street / Crumlin Road and the R137 Clanbrassil Street Lower. This is a decrease from 24 exceedances in the DM scenario. Annual mean NO_2 concentrations did not exceed $60 \mu\text{g}/\text{m}^3$, indicating that exceedances of the NO_2 1-hour mean is unlikely to occur. Annual mean PM_{10} concentrations are below the relevant national air quality limit value objective for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM_{10} concentration indicated that there is likely to be no more than two exceedance of the $50 \mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean $\text{PM}_{2.5}$ concentrations are also below the relevant national air quality limit value objective for all modelled receptors.

2.3 Comparison of Do Something with Do Minimum

Table 2.3 provides the predicted change in and impact on pollutant concentrations, between the cumulative DM and DS in 2028. Pollutant concentrations have been outlined to one decimal place, where '<0.1' is reported, the pollutant concentration is considered to be less than this amount (i.e. two or more decimal places).

Table 2.3: Predicted Changes in Cumulative Operational DM and DS and Impact Significance Criteria At All Modelled Receptor Locations

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ1	713982,733049	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ2	713098,732306	-0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ3	715117,733489	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ4	715020,733263	-2.4	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ5	715064,733787	-13.2	-1.9	-1.2	-1	Substantial Beneficial	Negligible	Negligible
AQ6	715032,733335	-2.0	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ7	709967,729203	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ8	714894,733434	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ9	709995,729116	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ10	714981,733737	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ11	709589,728524	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ12	713844,733170	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ13	708273,727787	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ14	714269,733246	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ15	711161,731453	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ16	710315,732026	-2.7	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ17	714943,734088	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ18	713653,732038	0.9	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ19	711073,731665	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ20	711847,731861	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ21	711986,731890	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ22	714911,733502	-2.9	-0.9	-0.5	<1	Moderate Beneficial	Negligible	Negligible
AQ23	713632,731991	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ24	708212,727603	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ25	713726,732044	0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ26	713437,732489	0.6	-0.3	-0.2	<1	Slight Adverse	Negligible	Negligible
AQ27	712387,732100	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ28	715152,733778	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ29	711147,731588	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ30	711895,731365	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ31	709515,728004	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ32	708720,728067	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ33	710186,731814	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ34	715010,733842	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ35	713377,732440	0.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ36	708228,727843	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ37	714033,732488	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ38	713891,732900	-0.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ39	713142,732334	-0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ40	709826,729106	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ41	709812,729183	-2.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ42	709832,729290	0.9	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ43	709840,729249	-2.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ44	709782,729328	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ45	709907,729341	-4.1	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ46	709795,729237	5.0	0.7	0.5	<1	Slight Adverse	Negligible	Negligible
AQ47	709666,728792	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ48	709682,728878	-0.3	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ49	709680,728959	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ50	709691,729006	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ51	709698,729067	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ52	709730,729147	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ53	709751,729088	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ54	709784,729131	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ55	709779,729049	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ56	709743,729241	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ57	713940,733135	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ58	714097,733222	-0.6	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ59	714047,733216	-1.5	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ60	714072,733235	-1.8	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ61	714400,733355	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ62	714183,733307	-2.0	-0.5	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ63	714122,733271	0.8	-0.7	-0.4	-1	Slight Adverse	Negligible	Negligible
AQ64	714097,733260	-2.2	-0.4	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ65	713950,733076	-1.1	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ66	713920,733080	-1.8	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ67	713972,733108	-1.2	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ68	713970,733167	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ69	714007,733184	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ70	713551,732602	-0.9	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ71	713578,732585	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ72	713587,732626	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ73	713609,732606	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ74	713706,732687	-1.5	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ75	713781,732826	-3.3	-0.4	-0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ76	713761,732742	-1.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ77	713829,732828	-2.2	-0.2	-0.1	<1	Moderate Beneficial	Negligible	Negligible
AQ78	713840,732860	-3.7	-0.3	-0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ79	713909,733056	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ80	713805,732857	-4.0	-0.4	-0.2	<1	Substantial Beneficial	Negligible	Negligible
AQ81	713815,732922	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ82	713877,732905	-1.4	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ83	713884,732966	1.2	-0.7	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ84	714335,733366	-2.7	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ85	714389,733378	-2.6	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ86	714301,733356	-2.1	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ87	714468,733396	-3.4	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ88	714437,733387	-3.9	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ89	714254,733340	-3.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ90	714888,733466	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ91	714936,733512	-3.6	-0.9	-0.6	<1	Moderate Beneficial	Negligible	Negligible
AQ92	714903,733530	-3.8	-0.8	-0.5	<1	Moderate Beneficial	Negligible	Negligible
AQ93	714595,733452	-1.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ94	714670,733457	-3.9	-0.7	-0.4	<1	Moderate Beneficial	Negligible	Negligible
AQ95	714694,733471	-2.4	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ96	714743,733478	-2.7	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ97	714829,733480	-2.6	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ98	714775,733480	-2.9	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ99	715080,733859	-5.1	-1.0	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ100	715039,733934	-8.2	-1.7	-1.0	<1	Substantial Beneficial	Negligible	Negligible
AQ101	714530,733414	-3.3	-0.5	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ102	710834,730968	2.4	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ103	710804,730972	1.9	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ104	710937,730918	2.7	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ105	710898,730907	1.7	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ106	710870,730962	2.1	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ107	710949,730955	2.5	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ108	710824,731658	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ109	710861,731660	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ110	715042,733653	-7.8	-1.0	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ111	714995,733508	-2.2	-0.5	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ112	715029,733549	-5.1	-0.8	-0.5	<1	Moderate Beneficial	Negligible	Negligible
AQ113	715008,733471	-1.7	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ114	715108,733441	-2.6	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ115	714984,733481	-1.7	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ116	715018,733776	-2.8	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ117	715038,733814	-4.8	-0.8	-0.5	<1	Moderate Beneficial	Negligible	Negligible
AQ118	715064,733826	-6.9	-1.2	-0.7	<1	Substantial Beneficial	Negligible	Negligible
AQ119	715034,733702	-4.8	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ120	715065,733668	-8.1	-1.1	-0.7	<1	Substantial Beneficial	Negligible	Negligible
AQ121	715065,733728	-7.3	-1.0	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ122	711327,731122	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ123	711396,731175	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ124	711417,731189	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ125	711314,731153	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ126	711333,731180	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ127	711377,731157	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ128	711445,731260	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ129	711462,731228	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ130	711472,731277	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ131	711503,731256	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ132	711420,731239	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ133	711318,731640	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ134	711314,731743	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ135	711348,731688	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ136	711341,731746	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ137	711364,731642	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ138	711381,731755	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ139	711453,731725	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ140	711534,731744	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ141	711563,731751	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ142	711502,731736	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ143	711524,731778	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ144	711614,731798	-1.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ145	711738,731786	-1.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ146	711654,731807	-2.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ147	711599,731759	-0.9	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ148	711630,731767	-1.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ149	711565,731787	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ150	711767,731791	-1.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ151	711855,731803	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ152	711867,731839	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ153	711739,731823	-2.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ154	711194,731062	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ155	711218,731082	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ156	711279,731083	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ157	711284,731130	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ158	711255,731061	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ159	711509,731311	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ160	711554,731300	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ161	711564,731348	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ162	711612,731388	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ163	711646,731413	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ164	711722,731475	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ165	711753,731496	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ166	711657,731425	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ167	711292,731509	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ168	711306,731549	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ169	711327,731583	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ170	711784,731519	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ171	710961,730810	-1.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ172	711036,730842	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ173	711010,730792	-1.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ174	711012,730879	-1.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ175	710986,730929	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ176	711000,730964	2.5	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ177	711128,731132	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ178	711149,731158	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ179	711073,731058	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ180	711118,731035	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ181	711174,731264	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ182	711127,731256	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ183	711096,731160	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ184	711085,731121	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ185	711103,731184	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ186	711145,730924	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ187	711099,730828	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ188	711165,731035	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ189	711175,730977	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ190	711193,731018	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ191	711205,731027	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ192	710885,731661	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ193	711256,731541	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ194	711275,731571	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ195	711208,731366	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ196	711151,731325	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ197	711191,731315	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ198	711228,731494	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ199	711220,731400	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ200	711196,731443	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ201	712454,732065	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ202	712465,732099	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ203	712588,732157	-1.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ204	712657,732137	-0.4	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ205	712515,732128	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ206	712557,732136	-2.0	-0.2	-0.1	<1	Moderate Beneficial	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ207	712853,732260	-2.2	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ208	712895,732238	-2.9	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ209	712703,732192	-2.6	-0.3	-0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ210	712726,732207	-2.0	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ211	712765,732187	-1.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ212	712807,732204	-1.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ213	712933,732253	-2.1	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ214	712998,732278	-0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ215	713040,732294	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ216	712939,732294	-1.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ217	712936,731853	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ218	712887,731859	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ219	713010,731845	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ220	712981,731849	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ221	712673,731873	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ222	712702,731904	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ223	712705,731850	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ224	712888,731890	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ225	712735,731903	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ226	712448,731863	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ227	712397,731882	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ228	712493,731891	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ229	712949,731886	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ230	712774,731868	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ231	712791,731903	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ232	712675,731917	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ233	712646,731921	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ234	712396,732043	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ235	712542,732099	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ236	712588,731906	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ237	712609,731878	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ238	712628,731873	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ239	712846,731895	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ240	712813,731837	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ241	712749,731854	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ242	712806,731866	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ243	712814,731897	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ244	712840,731859	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ245	713030,731876	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ246	712538,731871	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ247	711889,731601	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ248	711801,731533	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ249	711843,731565	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ250	711965,731609	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ251	712003,731722	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ252	711945,731642	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ253	711938,731810	<0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ254	712044,731720	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ255	711975,731679	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ256	711896,731806	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ257	711961,731812	<0.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ258	712026,731756	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ259	712027,731819	<0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ260	712042,731782	-0.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ261	712055,731801	-0.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ262	712093,731798	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ263	712085,731784	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ264	712264,731831	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ265	712192,731847	-2.1	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ266	712330,731845	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ267	712272,731856	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ268	712345,731873	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ269	712133,731859	-1.6	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ270	712161,731824	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ271	712160,731896	1.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ272	712185,731985	-1.2	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ273	712192,731932	0.9	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ274	712287,731999	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ275	712228,732006	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ276	712240,731975	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ277	712252,732026	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ278	712334,732019	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ279	712416,732080	-0.5	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ280	713212,732362	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ281	713242,731894	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ282	713296,731879	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ283	713319,731925	-1.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ284	713327,732407	-2.4	-0.3	-0.2	<1	Moderate Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ285	713310,732457	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ286	713332,732412	-2.8	-0.4	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ287	713345,732482	<0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ288	713271,731905	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ289	713279,731848	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ290	713338,731866	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ291	713342,731904	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ292	713358,731937	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ293	713364,731937	-2.9	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ294	713475,731780	0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ295	713497,731811	1.7	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ296	713453,731821	1.8	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ297	713353,731830	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ298	713241,731852	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ299	713168,731872	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ300	713081,731877	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ301	713081,731843	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ302	713105,731839	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ303	713068,732335	-0.5	<0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ304	713094,732345	-0.9	<0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ305	713138,731872	-1.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ306	713145,731840	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ307	713108,731897	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ308	713210,731879	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ309	713496,731723	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ310	713429,731796	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ311	714227,732376	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ312	714169,732263	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ313	714303,732465	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ314	714271,732496	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ315	714262,732437	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ316	714267,732372	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ317	714281,732393	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ318	708347,727670	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ319	709089,727746	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ320	708638,727689	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ321	708908,727798	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ322	709457,727767	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ323	709513,727878	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ324	714137,732279	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ325	714146,732229	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ326	714225,732308	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ327	714182,732342	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ328	713996,732117	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ329	714023,732171	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ330	714054,732200	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ331	714082,732227	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ332	714088,732172	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ333	713476,732509	-0.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ334	713386,731864	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ335	713385,731920	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ336	713423,731841	1.1	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ337	713423,731935	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ338	713418,731836	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ339	713438,731973	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ340	713430,732002	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ341	713387,732488	2.5	-0.2	-0.1	<1	Moderate Adverse	Negligible	Negligible
AQ342	713502,732567	-0.4	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ343	713462,731924	1.0	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ344	713478,731886	1.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ345	713493,731854	1.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ346	713430,732518	0.8	-0.2	-0.1	<1	Slight Adverse	Negligible	Negligible
AQ347	713466,732543	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ348	713475,731990	-0.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ349	713562,732015	0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ350	713695,732060	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ351	713739,732071	0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ352	713805,732098	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ353	713879,732062	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ354	713770,732091	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ355	713943,732101	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ356	713851,732111	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ357	713892,732157	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ358	709204,727615	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ359	709175,727632	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ360	707886,728105	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ361	708341,727471	1.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ362	708313,727433	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ363	708010,727943	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ364	708295,727572	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ365	709263,727640	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ366	709433,727719	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ367	709363,727665	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ368	709453,727677	0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ369	709612,728189	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ370	709718,728756	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ371	711920,730460	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ372	711952,730541	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ373	712037,730676	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ374	712216,730828	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ375	712150,730959	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ376	712241,731097	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ377	712371,731206	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ378	712548,731286	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ379	712221,731310	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ380	712221,731454	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ381	712092,731439	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ382	712279,731488	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ383	712385,731653	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ384	712482,731744	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ385	712574,731805	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ386	712441,731697	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ387	711975,731522	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ388	712810,731339	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ389	712730,731354	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ390	712940,731416	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ391	712859,731431	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ392	712860,731498	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ393	712824,731563	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ394	712770,731658	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ395	712772,731782	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ396	712737,731809	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ397	712293,732117	1.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ398	712265,732252	2.1	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ399	712043,732350	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ400	711950,732447	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ401	711983,732386	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ402	711924,732498	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ403	710154,732523	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ404	710107,732727	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ405	709982,729155	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ406	710287,729920	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ407	710360,730158	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ408	711201,730773	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ409	711235,730661	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ410	711407,730481	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ411	706459,731801	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ412	706519,731857	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ413	706717,732008	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ414	706643,732319	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ415	706666,732287	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ416	706780,732101	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ417	707029,732119	-1.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ418	707281,732062	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ419	707950,732011	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ420	710199,731842	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ421	710634,731372	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ422	710789,731267	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ423	710792,731206	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ424	710896,731095	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ425	710969,731074	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ426	711183,730737	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ427	708088,727835	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ428	711703,730906	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ429	711385,730930	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ430	712372,730736	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ431	712679,731978	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ432	712713,733250	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ433	714098,733444	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ434	714300,733648	2.9	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ435	714651,734058	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ436	714897,734062	-2.1	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ437	715062,733342	-3.1	-0.5	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ438	715200,733392	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ439	714953,733379	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ440	714874,733213	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ441	715015,733129	-4.3	-0.4	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ442	714886,732820	-6.0	-0.9	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ443	714168,733585	3.3	0.4	0.2	<1	Slight Adverse	Negligible	Negligible
AQ444	714711,734293	-0.5	<0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ445	714817,734262	-4.6	-0.4	-0.3	<1	Substantial Beneficial	Negligible	Negligible
AQ446	714795,734086	-5.6	-1.0	-0.6	-1	Substantial Beneficial	Negligible	Negligible
AQ447	715239,732732	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ448	715031,732732	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ449	714985,732701	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ450	712140,731955	1.1	<0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ451	711028,731732	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ452	711576,732588	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ453	711523,732540	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ454	711607,732761	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ455	707749,728609	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ456	708137,728787	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ457	707613,728293	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ458	709725,729545	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ459	709509,729656	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ460	709392,729665	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ461	709295,729869	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ462	709060,730248	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ463	708394,731369	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ464	708493,731185	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ465	708329,731015	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ466	708107,731841	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ467	707975,731634	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ468	707587,731211	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ469	707955,732557	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ470	707699,731990	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ471	707758,731863	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ472	709137,730103	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ473	708853,729304	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ474	708553,729077	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ475	708639,728797	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ476	708952,728846	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ477	708970,728796	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ478	709749,728804	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ479	709664,728827	-1.6	-0.3	-0.1	<1	Negligible	Negligible	Negligible

The significance of the changes in the concentration of each of the ambient receptors has been determined in the context of the TII significance criteria (TII 2011), as described in Section 7.2.4.1.4 in Chapter 7 (Air Quality). The majority of modelled receptors are estimated to experience a negligible impact due to the Proposed Scheme in terms of the annual mean NO₂ concentration. A slightly beneficial impact is estimated at 41 receptors, a moderate beneficial impact at 19 receptors and a substantial beneficial impact at 11 receptors due to the diversion of traffic off the Proposed Scheme routes. A slight adverse impact is expected at eight receptors and a moderate adverse impact at one receptors on the R110 Crumlin Road junction with Herberton Road. This localised moderate adverse impact is considered negative, significant and short-term as NO₂ concentrations exceed the limit value but will decrease below the limit by 2043 due to reductions in emissions between 2028 and 2043 from advancements in engine technology and the addition of a higher percentage of electric vehicles to the fleet. The Proposed Scheme is overall neutral in terms of annual mean PM₁₀ and PM_{2.5} concentrations, with all receptors experiencing a negligible impact.



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