

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 partially cut off by the edges of the page. The shapes are arranged in a non-repeating, organic pattern.

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 Figures 7.6-7.9 in Volume 3 of this EIAR.

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

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No of PM ₁₀ days > 50 µg/m ³³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	715100,733745	27.1	15.0	10.6	<1
AQ2	714612,733821	25.4	14.8	10.5	<1
AQ3	713750,734132	22.8	14.4	10.3	<1
AQ4	713798,733946	26.8	15.0	10.6	<1
AQ5	713683,733743	23.3	14.5	10.3	<1
AQ6	712903,733601	25.0	14.7	10.4	<1
AQ7	714414,733825	25.3	14.8	10.5	<1
AQ8	714262,733962	29.7	15.3	10.8	<1
AQ9	714381,733750	24.9	14.7	10.5	<1
AQ10	707117,734249	26.2	15.2	10.7	<1
AQ11	707338,734219	28.9	15.8	11.1	1
AQ12	714938,734061	27.2	15.0	10.6	<1
AQ13	708133,733818	22.4	14.5	10.3	<1
AQ14	708373,733645	22.0	14.4	10.2	<1
AQ15	707875,733900	23.1	14.6	10.4	<1
AQ16	708045,733915	24.4	14.8	10.5	<1
AQ17	708227,733874	24.7	14.9	10.5	<1
AQ18	708379,733777	22.2	14.4	10.3	<1
AQ19	710408,733717	23.8	14.7	10.3	<1
AQ20	710232,733776	23.9	14.7	10.4	<1
AQ21	713379,733908	23.8	14.6	10.4	<1
AQ22	713230,733800	24.1	14.6	10.4	<1
AQ23	714940,734127	27.5	15.1	10.7	<1
AQ24	711591,733628	22.1	14.4	10.2	<1
AQ25	711566,733633	22.0	14.4	10.2	<1
AQ26	712118,733515	24.3	14.7	10.3	<1
AQ27	711855,733611	25.2	14.8	10.4	<1
AQ28	711875,733641	25.8	14.9	10.5	<1
AQ29	706754,734593	21.6	14.3	10.2	<1
AQ30	708786,733797	24.4	14.8	10.3	<1
AQ31	708830,733741	23.1	14.6	10.3	<1
AQ32	709606,733982	23.2	14.5	10.3	<1
AQ33	709596,734032	22.2	14.4	10.2	<1
AQ34	714767,733975	27.2	15.0	10.6	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No of PM ₁₀ days > 50 µg/m ³³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ35	709519,733968	22.1	14.4	10.2	<1
AQ36	709099,733595	23.8	14.6	10.2	<1
AQ37	709411,733574	21.8	14.3	10.2	<1
AQ38	710114,733757	27.2	15.2	10.7	<1
AQ39	709964,733821	24.8	14.7	10.4	<1
AQ40	710173,733812	23.3	14.6	10.3	<1
AQ41	710149,733902	22.6	14.5	10.3	<1
AQ42	709773,734036	23.3	14.6	10.3	<1
AQ43	709835,733958	23.1	14.5	10.3	<1
AQ44	709906,733765	25.2	14.8	10.5	<1
AQ45	714875,734097	26.9	15.0	10.6	<1
AQ46	709837,733806	23.2	14.5	10.3	<1
AQ47	712032,733854	37.7	17.1	11.9	1
AQ48	712692,733765	34.3	16.1	11.3	1
AQ49	712386,733811	24.0	14.7	10.4	<1
AQ50	715060,734068	30.4	15.3	10.8	<1
AQ51	715095,733953	31.1	15.6	11.0	1
AQ52	714960,733960	34.6	16.0	11.3	1
AQ53	714825,734003	37.9	16.9	11.8	1
AQ54	714943,734088	26.4	14.9	10.6	<1
AQ55	713763,733995	23.5	14.5	10.3	<1
AQ56	714444,733910	27.4	15.0	10.7	<1
AQ57	713706,733940	25.1	14.8	10.5	<1
AQ58	714025,733935	25.7	14.8	10.5	<1
AQ59	713982,733920	26.5	14.9	10.6	<1
AQ60	714696,733904	28.9	15.3	10.8	<1
AQ61	707493,734097	35.0	17.0	11.8	1
AQ62	707594,733968	30.9	16.0	11.2	1
AQ63	715137,733764	27.5	15.1	10.7	<1
AQ64	714496,733842	23.9	14.6	10.4	<1
AQ65	714458,733793	24.2	14.6	10.4	<1
AQ66	714712,734012	25.8	14.8	10.5	<1
AQ67	714400,733916	25.8	14.9	10.5	<1
AQ68	715010,733842	25.9	14.8	10.5	<1
AQ69	711171,733893	22.3	14.4	10.2	<1
AQ70	710984,733877	23.3	14.6	10.3	<1
AQ71	709482,733900	22.3	14.4	10.2	<1
AQ72	709225,733946	23.4	14.6	10.3	<1
AQ73	710964,733854	25.3	15.0	10.6	<1
AQ74	712159,733584	24.9	14.8	10.3	<1
AQ75	711986,733531	24.8	14.7	10.3	<1
AQ76	711013,733906	22.6	14.5	10.3	<1
AQ77	710856,733882	26.0	15.1	10.5	<1
AQ78	714384,733931	27.3	15.1	10.7	<1
AQ79	712061,733563	24.3	14.7	10.3	<1
AQ80	712783,733468	27.1	15.0	10.6	<1
AQ81	711228,733943	22.6	14.5	10.3	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No of PM ₁₀ days > 50 µg/m ³³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ82	709321,733628	21.9	14.3	10.2	<1
AQ83	708427,733828	23.7	14.7	10.4	<1
AQ84	708441,733774	22.3	14.4	10.3	<1
AQ85	714873,734057	29.0	15.3	10.8	<1
AQ86	713641,733402	22.2	14.4	10.2	<1
AQ87	713275,733334	26.2	14.9	10.6	<1
AQ88	708038,734362	23.9	14.7	10.4	<1
AQ89	714981,733737	24.6	14.7	10.4	<1
AQ90	713769,733877	28.2	15.1	10.7	<1
AQ91	707684,734095	30.2	15.8	11.1	1
AQ92	710572,733737	25.2	14.9	10.3	<1
AQ93	710166,733734	25.6	15.0	10.6	<1
AQ94	710136,733733	25.8	15.0	10.6	<1
AQ95	710212,733729	25.1	14.9	10.5	<1
AQ96	712968,733603	25.8	14.9	10.5	<1
AQ97	707625,734136	30.3	15.7	11.1	1
AQ98	713059,733550	23.2	14.5	10.3	<1
AQ99	714599,733879	29.7	15.3	10.8	<1
AQ100	713004,733616	26.4	14.9	10.6	<1
AQ101	714576,733884	28.1	15.1	10.7	<1
AQ102	709930,733679	25.8	14.8	10.5	<1
AQ103	707921,733965	24.7	14.9	10.5	<1
AQ104	707869,734014	26.2	15.1	10.7	<1
AQ105	709990,733684	27.3	15.1	10.6	<1
AQ106	710006,733711	28.0	15.1	10.7	<1
AQ107	707708,734073	28.4	15.5	10.9	1
AQ108	710251,733720	25.0	14.9	10.5	<1
AQ109	711791,733691	26.2	15.0	10.6	<1
AQ110	710284,733708	24.8	14.9	10.5	<1
AQ111	709717,733725	25.4	14.9	10.4	<1
AQ112	711315,733720	24.8	14.7	10.4	<1
AQ113	709762,733727	25.4	14.9	10.4	<1
AQ114	709678,733728	24.8	14.8	10.4	<1
AQ115	709807,733731	25.3	14.9	10.4	<1
AQ116	709289,733731	24.2	14.7	10.4	<1
AQ117	709473,733678	24.0	14.7	10.4	<1
AQ118	714694,733879	26.9	15.0	10.6	<1
AQ119	708632,733846	26.0	15.1	10.6	<1
AQ120	713098,733541	24.1	14.6	10.4	<1
AQ121	708671,733842	25.6	15.0	10.5	<1
AQ122	713126,733502	23.4	14.5	10.3	<1
AQ123	709703,733686	24.4	14.7	10.3	<1
AQ124	707727,734053	27.0	15.3	10.8	<1
AQ125	711233,733732	24.9	14.8	10.3	<1
AQ126	709743,733686	25.5	14.9	10.4	<1
AQ127	712875,733627	31.7	15.6	11.0	1
AQ128	714639,733879	27.9	15.1	10.7	<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}	$\text{PM}_{2.5}$	
AQ129	711152,733751	24.5	14.8	10.4	<1
AQ130	709494,733745	26.8	15.1	10.6	<1
AQ131	712025,733728	26.7	15.0	10.4	<1
AQ132	712149,733728	24.8	14.7	10.4	<1
AQ133	710349,733674	23.8	14.7	10.3	<1
AQ134	712009,733700	28.2	15.3	10.5	<1
AQ135	711903,733438	27.5	15.0	10.4	<1
AQ136	709337,733770	25.0	14.9	10.5	<1
AQ137	712039,733706	28.2	15.3	10.4	<1
AQ138	711982,733496	31.6	15.7	10.6	1
AQ139	712119,733722	25.5	14.8	10.4	<1
AQ140	711974,733459	25.5	14.8	10.3	<1
AQ141	712093,733714	26.4	14.9	10.4	<1
AQ142	708937,733820	24.2	14.7	10.3	<1
AQ143	708864,733769	23.9	14.7	10.3	<1
AQ144	711862,733699	26.7	15.1	10.6	<1
AQ145	708888,733817	25.2	14.9	10.4	<1
AQ146	711239,733765	26.3	15.0	10.4	<1
AQ147	709155,733737	24.5	14.7	10.3	<1
AQ148	709135,733737	24.4	14.6	10.3	<1
AQ149	709198,733781	28.4	15.2	10.6	<1
AQ150	711911,733708	26.9	15.1	10.6	<1
AQ151	709917,733913	24.7	14.8	10.5	<1
AQ152	711931,733452	28.0	15.1	10.4	<1
AQ153	712591,733613	26.5	15.0	10.6	<1
AQ154	712687,733623	30.3	15.3	10.8	<1
AQ155	712719,733614	31.4	15.4	10.9	<1
AQ156	711864,733435	26.9	14.9	10.4	<1
AQ157	708555,733856	26.3	15.1	10.7	<1
AQ158	709647,733731	24.6	14.8	10.4	<1
AQ159	712342,733615	26.0	15.0	10.6	<1
AQ160	712390,733618	26.4	15.0	10.6	<1
AQ161	707646,734187	31.0	16.0	11.2	1
AQ162	708902,733764	23.3	14.6	10.3	<1
AQ163	709847,733696	26.1	15.0	10.5	<1
AQ164	711951,733717	26.9	15.0	10.6	<1
AQ165	709906,733698	26.5	15.0	10.6	<1
AQ166	712683,733590	28.8	15.1	10.7	<1
AQ167	711952,733684	29.0	15.2	10.7	<1
AQ168	711976,733720	26.5	15.0	10.6	<1
AQ169	712433,733615	26.4	15.1	10.6	<1
AQ170	710092,733728	26.7	15.0	10.6	<1
AQ171	712785,733619	32.3	15.6	11.0	1
AQ172	710071,733726	27.5	15.1	10.7	<1
AQ173	711996,733722	26.6	15.0	10.5	<1
AQ174	711980,733694	27.8	15.2	10.7	<1
AQ175	710111,733731	26.2	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}	$\text{PM}_{2.5}$	
AQ176	709410,733717	24.3	14.7	10.4	<1
AQ177	707699,734140	31.1	15.9	11.1	1
AQ178	710311,733696	24.7	14.8	10.5	<1
AQ179	709404,733760	25.3	14.9	10.5	<1
AQ180	709361,733722	24.1	14.7	10.4	<1
AQ181	709638,733690	24.4	14.7	10.4	<1
AQ182	708973,733756	23.2	14.6	10.3	<1
AQ183	713812,733941	28.0	15.1	10.7	<1
AQ184	709024,733750	23.3	14.6	10.3	<1
AQ185	709286,733776	25.1	14.9	10.5	<1
AQ186	709213,733728	23.8	14.6	10.3	<1
AQ187	709235,733780	26.0	14.9	10.5	<1
AQ188	712586,733581	25.4	14.8	10.5	<1
AQ189	713566,733816	26.8	15.0	10.6	<1
AQ190	713587,733826	27.3	15.1	10.7	<1
AQ191	713678,733840	26.7	14.9	10.6	<1
AQ192	710026,733721	28.9	15.3	10.8	<1
AQ193	712302,733603	26.6	15.0	10.6	<1
AQ194	713637,733850	31.8	15.6	11.0	1
AQ195	712189,733568	29.0	15.3	10.5	<1
AQ196	708941,733760	23.2	14.6	10.3	<1
AQ197	712316,733576	25.8	14.9	10.5	<1
AQ198	712211,733550	25.6	14.9	10.4	<1
AQ199	707666,734162	34.1	16.2	11.4	1
AQ200	712214,733576	28.0	15.2	10.5	<1
AQ201	709582,733738	24.8	14.8	10.5	<1
AQ202	708779,733829	24.9	14.9	10.4	<1
AQ203	715039,733934	33.7	15.9	11.2	1
AQ204	714979,733953	32.2	15.7	11.0	1
AQ205	709610,733735	24.5	14.8	10.4	<1
AQ206	713816,733944	27.4	15.1	10.7	<1
AQ207	713788,733916	27.9	15.1	10.7	<1
AQ208	711823,733441	30.6	15.4	10.5	<1
AQ209	707582,734168	30.2	15.9	11.2	1
AQ210	712134,733556	29.1	15.5	10.5	1
AQ211	711809,733427	30.5	15.4	10.5	<1
AQ212	708838,733823	25.0	14.9	10.4	<1
AQ213	707523,734192	33.1	16.6	11.6	1
AQ214	712475,733609	25.5	14.9	10.5	<1
AQ215	712494,733575	24.3	14.7	10.4	<1
AQ216	712270,733559	25.3	14.8	10.4	<1
AQ217	712257,733580	27.6	15.2	10.7	<1
AQ218	711291,733715	24.5	14.7	10.3	<1
AQ219	711277,733761	27.1	15.1	10.5	<1
AQ220	711835,733497	34.7	15.8	10.5	1
AQ221	711823,733512	31.5	15.4	10.4	<1
AQ222	712760,733614	35.0	16.0	11.2	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	712033,733517	27.8	15.2	10.4	<1
AQ224	712771,733601	30.7	15.4	10.9	<1
AQ225	711817,733556	24.6	14.7	10.3	<1
AQ226	711859,733546	28.9	15.1	10.4	<1
AQ227	711840,733459	31.9	15.6	10.5	1
AQ228	712065,733531	27.4	15.2	10.4	<1
AQ229	712541,733578	24.9	14.8	10.5	<1
AQ230	712507,733575	24.4	14.7	10.4	<1
AQ231	711250,733724	24.4	14.7	10.3	<1
AQ232	712504,733609	26.4	15.0	10.6	<1
AQ233	711926,733646	25.9	14.9	10.5	<1
AQ234	713378,733703	25.0	14.8	10.5	<1
AQ235	709837,733756	24.4	14.7	10.3	<1
AQ236	711913,733645	28.0	15.3	10.7	<1
AQ237	709914,733801	24.7	14.7	10.4	<1
AQ238	711945,733661	25.8	14.9	10.5	<1
AQ239	707570,734181	31.3	16.2	11.3	1
AQ240	713478,733766	27.1	15.1	10.7	<1
AQ241	711075,733777	24.2	14.8	10.4	<1
AQ242	711088,733773	24.3	14.8	10.4	<1
AQ243	713535,733801	28.1	15.3	10.8	<1
AQ244	713531,733776	26.0	14.9	10.6	<1
AQ245	715046,734244	32.5	15.6	11.0	1
AQ246	714718,734259	32.0	15.8	11.1	1
AQ247	714275,734283	32.9	15.9	11.2	1
AQ248	714209,734360	32.6	16.1	11.3	1
AQ249	714481,734130	24.9	14.7	10.5	<1
AQ250	713501,733755	26.3	15.0	10.6	<1
AQ251	714516,734350	34.6	15.7	11.1	1
AQ252	714921,734144	31.9	15.8	11.1	1
AQ253	714818,734059	31.1	15.5	11.0	1
AQ254	714147,733560	26.1	14.9	10.5	<1
AQ255	713040,733405	25.5	14.8	10.5	<1
AQ256	713568,733329	23.2	14.5	10.3	<1
AQ257	712089,732998	24.9	14.9	10.6	<1
AQ258	711372,732946	30.3	15.4	10.5	<1
AQ259	711182,732473	28.4	15.3	10.5	<1
AQ260	709641,733199	24.2	14.7	10.3	<1
AQ261	711629,733659	23.1	14.5	10.3	<1
AQ262	710000,733260	24.3	14.7	10.4	<1
AQ263	709978,733395	23.6	14.6	10.4	<1
AQ264	709599,733343	23.0	14.5	10.2	<1
AQ265	713598,733033	26.9	15.2	10.7	<1
AQ266	713792,733061	25.9	14.8	10.5	<1
AQ267	714785,733443	24.4	14.7	10.4	<1
AQ268	714920,732996	28.2	15.2	10.7	<1
AQ269	714772,732929	22.4	14.4	10.2	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No of PM ₁₀ days > 50 µg/m ³³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ270	715252,733833	30.4	15.6	11.0	1
AQ271	715230,733997	30.8	15.4	10.9	<1
AQ272	714074,733971	30.9	15.6	11.0	1
AQ273	714544,733749	28.6	15.2	10.8	<1
AQ274	714656,733727	23.5	14.5	10.3	<1
AQ275	714761,733644	24.2	14.6	10.4	<1
AQ276	715382,733517	25.5	14.8	10.5	<1
AQ277	714446,733391	26.6	15.0	10.6	<1
AQ278	714515,733573	25.6	14.8	10.5	<1
AQ279	714365,732628	29.2	15.3	10.8	<1
AQ280	714778,732792	23.1	14.5	10.3	<1
AQ281	712643,734098	27.8	15.2	10.8	<1
AQ282	712519,734405	23.4	14.6	10.3	<1
AQ283	713925,733954	29.1	15.3	10.8	<1
AQ284	713205,734451	27.7	15.2	10.7	<1
AQ285	714215,734089	25.3	14.7	10.5	<1
AQ286	708131,734901	25.3	14.9	10.6	<1
AQ287	707872,735236	27.2	15.5	10.9	1
AQ288	709417,734827	25.0	15.0	10.6	<1
AQ289	708303,733290	23.3	14.6	10.3	<1
AQ290	714965,733548	25.9	14.8	10.5	<1
AQ291	713686,733869	28.4	15.2	10.7	<1
AQ292	710732,733813	25.1	14.9	10.4	<1
AQ293	708542,733819	25.5	15.0	10.6	<1
AQ294	710765,733825	24.8	14.9	10.4	<1
AQ295	714548,733909	29.7	15.3	10.8	<1
AQ296	710838,733835	24.1	14.7	10.3	<1
AQ297	714491,733900	26.4	14.9	10.6	<1
AQ298	713451,733726	24.7	14.7	10.4	<1
AQ299	714418,733927	28.5	15.2	10.8	<1
AQ300	714571,733902	30.2	15.4	10.9	<1
AQ301	713446,733732	26.2	14.9	10.6	<1
AQ302	712626,733585	26.8	14.9	10.6	<1
AQ303	713395,733741	25.9	14.9	10.6	<1
AQ304	713298,733712	29.7	15.5	10.9	1
AQ305	710703,733836	25.4	15.0	10.4	<1
AQ306	710710,733802	25.1	14.9	10.4	<1
AQ307	713296,733696	28.3	15.3	10.8	<1
AQ308	713339,733723	26.3	15.0	10.6	<1
AQ309	713022,733620	30.4	15.6	11.0	1
AQ310	713054,733630	28.9	15.4	10.8	<1
AQ311	713054,733646	29.7	15.5	10.9	1
AQ312	713080,733635	27.8	15.2	10.7	<1
AQ313	712615,733583	26.0	14.9	10.5	<1
AQ314	713087,733654	27.1	15.1	10.7	<1
AQ315	713113,733645	28.0	15.2	10.8	<1
AQ316	709586,733698	24.7	14.8	10.5	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No of PM ₁₀ days > 50 µg/m ³³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ317	714815,733986	29.7	15.4	10.9	<1
AQ318	710966,733862	24.3	14.8	10.5	<1
AQ319	711023,733796	24.2	14.8	10.4	<1
AQ320	711315,733761	26.9	15.1	10.6	<1
AQ321	709485,733700	24.6	14.8	10.4	<1
AQ322	713150,733647	25.2	14.8	10.5	<1
AQ323	715003,733946	32.4	15.7	11.1	1
AQ324	713859,733909	27.5	15.0	10.6	<1
AQ325	711746,733688	25.3	14.9	10.5	<1
AQ326	709537,733703	25.1	14.8	10.5	<1
AQ327	713147,733671	30.1	15.6	11.0	1
AQ328	711509,733706	23.3	14.6	10.3	<1
AQ329	709773,733686	25.1	14.8	10.4	<1
AQ330	709806,733689	25.0	14.8	10.4	<1
AQ331	712906,733635	28.4	15.1	10.7	<1
AQ332	714348,733933	26.9	15.1	10.7	<1
AQ333	712994,733627	32.2	15.8	11.1	1
AQ334	714971,733958	31.4	15.6	11.0	1
AQ335	714864,733937	29.2	15.2	10.8	<1
AQ336	714222,733972	28.7	15.2	10.7	<1
AQ337	713874,733948	27.6	15.1	10.7	<1
AQ338	714939,733962	32.4	15.8	11.1	1
AQ339	714287,733924	26.6	14.9	10.6	<1
AQ340	714742,733894	27.7	15.1	10.7	<1
AQ341	713201,733685	31.4	15.8	11.1	1
AQ342	713253,733701	30.4	15.6	11.0	1
AQ343	713886,733918	27.4	15.0	10.7	<1
AQ344	714764,733928	30.5	15.4	10.9	<1
AQ345	711195,733739	24.9	14.8	10.3	<1
AQ346	713922,733930	28.3	15.2	10.7	<1
AQ347	713908,733951	28.6	15.2	10.8	<1
AQ348	713269,733691	29.1	15.4	10.9	<1
AQ349	713281,733708	30.1	15.6	11.0	1
AQ350	714789,733911	28.7	15.2	10.7	<1
AQ351	710637,733747	25.0	14.9	10.3	<1
AQ352	713127,733665	30.3	15.6	11.0	1
AQ353	710658,733768	25.2	14.9	10.4	<1
AQ354	710689,733790	25.2	14.9	10.4	<1
AQ355	712683,733566	26.6	14.8	10.5	<1
AQ356	714464,733937	31.4	15.5	11.0	1
AQ357	712840,733598	26.2	14.9	10.5	<1
AQ358	712880,733600	25.8	14.8	10.5	<1
AQ359	712822,733607	31.0	15.5	10.9	<1
AQ360	714371,733953	32.1	15.9	11.2	1
AQ361	710780,733862	25.2	14.9	10.4	<1
AQ362	709804,734058	24.3	14.7	10.4	<1
AQ363	713136,733515	24.0	14.6	10.4	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$ ³³
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ364	710611,733767	25.1	14.9	10.3	<1
AQ365	711120,733761	24.3	14.8	10.4	<1
AQ366	712659,733852	27.8	15.2	10.7	<1
AQ380	711566,733165	33.4	16.1	10.6	1
AQ368	715051,734102	30.2	15.3	10.8	<1
AQ369	715011,734063	27.7	15.0	10.6	<1
AQ370	708729,734939	28.2	15.3	10.8	<1
AQ371	708008,735269	31.3	16.4	11.4	1
AQ372	709192,734853	24.8	15.0	10.6	<1
AQ373	709176,734927	30.8	16.1	11.3	1
AQ374	708716,734990	35.2	16.7	11.6	1
AQ375	707514,734335	34.6	17.2	11.9	1
AQ376	707563,734784	30.0	16.2	11.3	1
AQ377	707475,733479	34.6	16.8	11.7	1
AQ378	707243,733645	24.4	14.9	10.5	<1
AQ379	712659,733894	32.1	15.7	11.1	1
AQ382	711821,733467	40.0	16.6	10.8	1
AQ381	711805,733476	32.4	15.6	10.5	1
AQ367	712701,733687	30.8	15.5	10.9	<1
AQ383	711756,733405	28.7	15.2	10.4	<1
AQ384	711662,733263	29.2	15.4	10.4	<1
AQ385	711899,733772	24.5	14.8	10.4	<1
AQ386	712333,733831	25.0	14.8	10.5	<1
AQ387	712474,733852	25.0	14.8	10.5	<1
AQ388	707490,734201	40.5	18.2	12.5	2
AQ389	710148,734098	26.1	15.2	10.7	<1
AQ390	710088,734162	26.9	15.4	10.8	<1
AQ391	710046,734107	23.7	14.7	10.4	<1
Air Quality Limit Value Objective		40	40	25	35

In the cumulative 2024 DM scenario annual mean concentrations of NO_2 are above the relevant national air quality limit value objective in some areas; two exceedances were modelled at receptors on the R833 Coldcut Road and the R839 Grattan Crescent. 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 two exceedances 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. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ1	715100,733745	26.7	15.0	10.6	<1
AQ2	714612,733821	25.4	14.7	10.5	<1
AQ3	713750,734132	22.9	14.4	10.3	<1
AQ4	713798,733946	27.2	15.0	10.6	<1
AQ5	713683,733743	23.5	14.5	10.3	<1
AQ6	712903,733601	24.8	14.7	10.4	<1
AQ7	714414,733825	25.2	14.8	10.5	<1
AQ8	714262,733962	29.8	15.3	10.8	<1
AQ9	714381,733750	24.8	14.7	10.5	<1
AQ10	707117,734249	26.2	15.2	10.7	<1
AQ11	707338,734219	29.1	15.8	11.1	1
AQ12	714938,734061	27.2	15.0	10.6	<1
AQ13	708133,733818	22.4	14.5	10.3	<1
AQ14	708373,733645	22.0	14.4	10.2	<1
AQ15	707875,733900	23.2	14.6	10.4	<1
AQ16	708045,733915	24.4	14.8	10.5	<1
AQ17	708227,733874	24.7	14.9	10.5	<1
AQ18	708379,733777	22.2	14.4	10.3	<1
AQ19	710408,733717	23.6	14.7	10.4	<1
AQ20	710232,733776	23.7	14.7	10.4	<1
AQ21	713379,733908	24.2	14.7	10.4	<1
AQ22	713230,733800	24.6	14.7	10.4	<1
AQ23	714940,734127	27.4	15.0	10.6	<1
AQ24	711591,733628	22.0	14.4	10.2	<1
AQ25	711566,733633	22.0	14.4	10.2	<1
AQ26	712118,733515	24.5	14.7	10.4	<1
AQ27	711855,733611	24.1	14.6	10.4	<1
AQ28	711875,733641	24.4	14.7	10.4	<1
AQ29	706754,734593	21.6	14.4	10.2	<1
AQ30	708786,733797	24.3	14.8	10.5	<1
AQ31	708830,733741	23.1	14.6	10.4	<1
AQ32	709606,733982	24.0	14.7	10.4	<1
AQ33	709596,734032	22.5	14.4	10.3	<1
AQ34	714767,733975	27.1	15.0	10.6	<1
AQ35	709519,733968	22.3	14.4	10.3	<1
AQ36	709099,733595	23.7	14.6	10.4	<1
AQ37	709411,733574	22.1	14.4	10.2	<1
AQ38	710114,733757	26.6	15.1	10.7	<1
AQ39	709964,733821	24.6	14.7	10.4	<1
AQ40	710173,733812	23.1	14.5	10.3	<1
AQ41	710149,733902	22.5	14.5	10.3	<1
AQ42	709773,734036	23.8	14.6	10.4	<1
AQ43	709835,733958	23.3	14.6	10.4	<1
AQ44	709906,733765	24.1	14.6	10.4	<1
AQ45	714875,734097	26.9	14.9	10.6	<1

DS (2024)					
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}	
AQ46	709837,733806	23.1	14.5	10.3	<1
AQ47	712032,733854	39.2	17.3	12.0	1
AQ48	712692,733765	36.3	16.3	11.4	1
AQ49	712386,733811	24.0	14.7	10.4	<1
AQ50	715060,734068	30.4	15.3	10.8	<1
AQ51	715095,733953	30.8	15.5	10.9	<1
AQ52	714960,733960	33.9	15.8	11.2	1
AQ53	714825,734003	36.4	16.6	11.6	1
AQ54	714943,734088	26.4	14.9	10.5	<1
AQ55	713763,733995	23.6	14.5	10.3	<1
AQ56	714444,733910	27.3	15.0	10.6	<1
AQ57	713706,733940	25.4	14.8	10.5	<1
AQ58	714025,733935	26.0	14.9	10.5	<1
AQ59	713982,733920	27.3	15.0	10.7	<1
AQ60	714696,733904	28.6	15.3	11.0	<1
AQ61	707493,734097	35.4	17.0	11.9	1
AQ62	707594,733968	31.1	16.1	11.3	1
AQ63	715137,733764	27.3	15.1	10.7	<1
AQ64	714496,733842	23.9	14.6	10.4	<1
AQ65	714458,733793	24.2	14.6	10.4	<1
AQ66	714712,734012	25.9	14.8	10.5	<1
AQ67	714400,733916	25.9	14.9	10.5	<1
AQ68	715010,733842	25.8	14.8	10.5	<1
AQ69	711171,733893	22.4	14.5	10.3	<1
AQ70	710984,733877	23.3	14.6	10.4	<1
AQ71	709482,733900	22.6	14.5	10.3	<1
AQ72	709225,733946	23.4	14.6	10.3	<1
AQ73	710964,733854	25.2	15.0	10.6	<1
AQ74	712159,733584	25.0	14.8	10.5	<1
AQ75	711986,733531	24.8	14.7	10.4	<1
AQ76	711013,733906	22.6	14.5	10.3	<1
AQ77	710856,733882	26.0	15.1	10.6	<1
AQ78	714384,733931	27.4	15.1	10.7	<1
AQ79	712061,733563	24.3	14.7	10.4	<1
AQ80	712783,733468	27.9	15.1	10.7	<1
AQ81	711228,733943	22.7	14.5	10.3	<1
AQ82	709321,733628	21.9	14.4	10.2	<1
AQ83	708427,733828	23.8	14.7	10.4	<1
AQ84	708441,733774	22.4	14.5	10.3	<1
AQ85	714873,734057	29.1	15.3	10.8	<1
AQ86	713641,733402	22.7	14.4	10.3	<1
AQ87	713275,733334	27.0	15.0	10.7	<1
AQ88	708038,734362	24.2	14.8	10.5	<1
AQ89	714981,733737	24.4	14.6	10.4	<1
AQ90	713769,733877	27.4	15.0	10.6	<1
AQ91	707684,734095	30.3	15.8	11.1	1
AQ92	710572,733737	25.0	14.9	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}	$\text{PM}_{2.5}$	
AQ93	710166,733734	25.2	14.9	10.6	<1
AQ94	710136,733733	25.3	14.9	10.6	<1
AQ95	710212,733729	24.8	14.9	10.5	<1
AQ96	712968,733603	25.4	14.8	10.5	<1
AQ97	707625,734136	30.4	15.8	11.1	1
AQ98	713059,733550	23.7	14.6	10.4	<1
AQ99	714599,733879	29.6	15.2	10.8	<1
AQ100	713004,733616	25.9	14.9	10.5	<1
AQ101	714576,733884	27.9	15.1	10.7	<1
AQ102	709930,733679	24.8	14.7	10.4	<1
AQ103	707921,733965	24.8	14.9	10.5	<1
AQ104	707869,734014	26.3	15.1	10.7	<1
AQ105	709990,733684	26.1	14.9	10.6	<1
AQ106	710006,733711	26.8	15.0	10.6	<1
AQ107	707708,734073	28.5	15.5	10.9	1
AQ108	710251,733720	24.7	14.9	10.5	<1
AQ109	711791,733691	26.0	15.0	10.6	<1
AQ110	710284,733708	24.5	14.8	10.5	<1
AQ111	709717,733725	24.2	14.7	10.4	<1
AQ112	711315,733720	24.8	14.7	10.4	<1
AQ113	709762,733727	24.3	14.7	10.4	<1
AQ114	709678,733728	23.8	14.6	10.4	<1
AQ115	709807,733731	24.0	14.7	10.4	<1
AQ116	709289,733731	24.2	14.7	10.4	<1
AQ117	709473,733678	25.0	14.8	10.5	<1
AQ118	714694,733879	26.7	15.0	10.7	<1
AQ119	708632,733846	26.0	15.1	10.6	<1
AQ120	713098,733541	25.2	14.8	10.5	<1
AQ121	708671,733842	25.6	15.0	10.6	<1
AQ122	713126,733502	24.1	14.6	10.4	<1
AQ123	709703,733686	23.6	14.6	10.4	<1
AQ124	707727,734053	27.1	15.3	10.8	<1
AQ125	711233,733732	24.8	14.8	10.5	<1
AQ126	709743,733686	24.3	14.7	10.4	<1
AQ127	712875,733627	30.6	15.4	10.9	<1
AQ128	714639,733879	27.7	15.1	10.7	<1
AQ129	711152,733751	24.4	14.8	10.5	<1
AQ130	709494,733745	26.8	15.0	10.7	<1
AQ131	712025,733728	25.3	14.8	10.5	<1
AQ132	712149,733728	24.2	14.7	10.4	<1
AQ133	710349,733674	23.7	14.7	10.4	<1
AQ134	712009,733700	26.1	14.9	10.6	<1
AQ135	711903,733438	27.5	15.0	10.6	<1
AQ136	709337,733770	25.0	14.8	10.5	<1
AQ137	712039,733706	26.2	15.0	10.6	<1
AQ138	711982,733496	31.8	15.7	11.1	1
AQ139	712119,733722	24.5	14.7	10.4	<1

DS (2024)					
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}	
AQ140	711974,733459	25.6	14.8	10.5	<1
AQ141	712093,733714	25.1	14.8	10.5	<1
AQ142	708937,733820	24.1	14.7	10.4	<1
AQ143	708864,733769	23.9	14.7	10.4	<1
AQ144	711862,733699	26.3	15.0	10.6	<1
AQ145	708888,733817	25.0	14.9	10.5	<1
AQ146	711239,733765	26.2	15.0	10.6	<1
AQ147	709155,733737	24.5	14.7	10.4	<1
AQ148	709135,733737	24.4	14.6	10.4	<1
AQ149	709198,733781	28.3	15.2	10.7	<1
AQ150	711911,733708	26.1	15.0	10.6	<1
AQ151	709917,733913	24.9	14.8	10.5	<1
AQ152	711931,733452	28.0	15.1	10.7	<1
AQ153	712591,733613	26.9	15.1	10.7	<1
AQ154	712687,733623	31.6	15.4	10.9	<1
AQ155	712719,733614	32.2	15.5	11.0	1
AQ156	711864,733435	26.9	14.9	10.6	<1
AQ157	708555,733856	26.3	15.1	10.7	<1
AQ158	709647,733731	23.6	14.6	10.4	<1
AQ159	712342,733615	26.2	15.0	10.6	<1
AQ160	712390,733618	26.6	15.1	10.7	<1
AQ161	707646,734187	31.1	16.0	11.2	1
AQ162	708902,733764	23.2	14.6	10.4	<1
AQ163	709847,733696	24.2	14.7	10.4	<1
AQ164	711951,733717	25.6	14.8	10.5	<1
AQ165	709906,733698	24.8	14.7	10.5	<1
AQ166	712683,733590	29.5	15.1	10.7	<1
AQ167	711952,733684	26.6	14.9	10.6	<1
AQ168	711976,733720	25.1	14.8	10.5	<1
AQ169	712433,733615	26.7	15.1	10.7	<1
AQ170	710092,733728	26.0	14.9	10.6	<1
AQ171	712785,733619	31.5	15.5	10.9	1
AQ172	710071,733726	26.7	15.0	10.6	<1
AQ173	711996,733722	25.1	14.8	10.5	<1
AQ174	711980,733694	25.7	14.9	10.5	<1
AQ175	710111,733731	25.6	14.9	10.6	<1
AQ176	709410,733717	24.4	14.7	10.5	<1
AQ177	707699,734140	31.2	15.9	11.2	1
AQ178	710311,733696	24.4	14.8	10.5	<1
AQ179	709404,733760	25.3	14.9	10.5	<1
AQ180	709361,733722	24.1	14.7	10.4	<1
AQ181	709638,733690	23.4	14.6	10.4	<1
AQ182	708973,733756	23.1	14.6	10.3	<1
AQ183	713812,733941	28.4	15.2	10.7	<1
AQ184	709024,733750	23.3	14.6	10.3	<1
AQ185	709286,733776	25.1	14.8	10.5	<1
AQ186	709213,733728	23.8	14.6	10.4	<1

DS (2024)					
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}	
AQ187	709235,733780	25.9	14.9	10.6	<1
AQ188	712586,733581	25.7	14.9	10.5	<1
AQ189	713566,733816	26.0	14.9	10.6	<1
AQ190	713587,733826	26.4	15.0	10.6	<1
AQ191	713678,733840	26.2	14.9	10.5	<1
AQ192	710026,733721	27.7	15.1	10.7	<1
AQ193	712302,733603	26.8	15.1	10.7	<1
AQ194	713637,733850	30.4	15.4	10.9	<1
AQ195	712189,733568	29.5	15.4	10.9	<1
AQ196	708941,733760	23.2	14.6	10.3	<1
AQ197	712316,733576	26.1	15.0	10.6	<1
AQ198	712211,733550	25.9	14.9	10.5	<1
AQ199	707666,734162	34.2	16.2	11.4	1
AQ200	712214,733576	28.4	15.2	10.8	<1
AQ201	709582,733738	23.9	14.6	10.4	<1
AQ202	708779,733829	24.9	14.9	10.5	<1
AQ203	715039,733934	33.1	15.7	11.1	1
AQ204	714979,733953	31.6	15.5	11.0	1
AQ205	709610,733735	23.6	14.6	10.4	<1
AQ206	713816,733944	27.8	15.1	10.7	<1
AQ207	713788,733916	27.7	15.0	10.7	<1
AQ208	711823,733441	30.4	15.3	10.8	<1
AQ209	707582,734168	30.4	16.0	11.2	1
AQ210	712134,733556	29.4	15.5	10.9	1
AQ211	711809,733427	30.5	15.2	10.7	<1
AQ212	708838,733823	24.9	14.9	10.5	<1
AQ213	707523,734192	33.5	16.7	11.6	1
AQ214	712475,733609	25.7	14.9	10.6	<1
AQ215	712494,733575	24.5	14.7	10.4	<1
AQ216	712270,733559	25.5	14.9	10.5	<1
AQ217	712257,733580	27.9	15.2	10.7	<1
AQ218	711291,733715	24.5	14.7	10.4	<1
AQ219	711277,733761	26.9	15.1	10.7	<1
AQ220	711835,733497	31.6	15.3	10.8	<1
AQ221	711823,733512	29.0	15.0	10.6	<1
AQ222	712760,733614	34.0	15.8	11.1	1
AQ223	712033,733517	27.9	15.2	10.8	<1
AQ224	712771,733601	30.2	15.3	10.8	<1
AQ225	711817,733556	23.9	14.5	10.3	<1
AQ226	711859,733546	26.9	14.8	10.5	<1
AQ227	711840,733459	31.7	15.5	10.9	1
AQ228	712065,733531	27.6	15.2	10.7	<1
AQ229	712541,733578	25.2	14.8	10.5	<1
AQ230	712507,733575	24.6	14.7	10.4	<1
AQ231	711250,733724	24.3	14.7	10.4	<1
AQ232	712504,733609	26.7	15.1	10.7	<1
AQ233	711926,733646	24.5	14.7	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}	$\text{PM}_{2.5}$	
AQ234	713378,733703	24.4	14.7	10.4	<1
AQ235	709837,733756	23.8	14.6	10.4	<1
AQ236	711913,733645	25.7	14.9	10.5	<1
AQ237	709914,733801	24.4	14.7	10.4	<1
AQ238	711945,733661	24.5	14.7	10.4	<1
AQ239	707570,734181	31.6	16.2	11.4	1
AQ240	713478,733766	26.0	14.9	10.6	<1
AQ241	711075,733777	24.1	14.7	10.5	<1
AQ242	711088,733773	24.2	14.8	10.5	<1
AQ243	713535,733801	26.9	15.1	10.7	<1
AQ244	713531,733776	25.2	14.8	10.5	<1
AQ245	715046,734244	32.6	15.6	11.0	1
AQ246	714718,734259	31.9	15.8	11.1	1
AQ247	714275,734283	33.8	16.0	11.2	1
AQ248	714209,734360	33.8	16.3	11.4	1
AQ249	714481,734130	24.6	14.7	10.4	<1
AQ250	713501,733755	25.4	14.8	10.5	<1
AQ251	714516,734350	32.4	15.5	10.9	1
AQ252	714921,734144	31.8	15.7	11.1	1
AQ253	714818,734059	31.0	15.5	11.0	1
AQ254	714147,733560	26.3	14.9	10.6	<1
AQ255	713040,733405	26.1	14.9	10.6	<1
AQ256	713568,733329	24.3	14.6	10.4	<1
AQ257	712089,732998	25.1	15.0	10.6	<1
AQ258	711372,732946	29.1	15.2	10.8	<1
AQ259	711182,732473	27.4	15.2	10.7	<1
AQ260	709641,733199	25.4	14.8	10.5	<1
AQ261	711629,733659	23.1	14.5	10.3	<1
AQ262	710000,733260	24.3	14.7	10.4	<1
AQ263	709978,733395	23.1	14.5	10.3	<1
AQ264	709599,733343	24.2	14.7	10.4	<1
AQ265	713598,733033	27.4	15.3	10.8	<1
AQ266	713792,733061	25.0	14.7	10.5	<1
AQ267	714785,733443	23.3	14.5	10.3	<1
AQ268	714920,732996	29.0	15.3	10.8	<1
AQ269	714772,732929	23.2	14.5	10.3	<1
AQ270	715252,733833	30.2	15.5	11.0	1
AQ271	715230,733997	30.5	15.3	10.8	<1
AQ272	714074,733971	31.0	15.6	11.0	1
AQ273	714544,733749	28.5	15.2	10.8	<1
AQ274	714656,733727	23.5	14.5	10.3	<1
AQ275	714761,733644	24.6	14.7	10.4	<1
AQ276	715382,733517	25.3	14.7	10.5	<1
AQ277	714446,733391	25.2	14.8	10.5	<1
AQ278	714515,733573	25.6	14.8	10.5	<1
AQ279	714365,732628	30.5	15.5	10.9	<1
AQ280	714778,732792	24.1	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}	$\text{PM}_{2.5}$	
AQ281	712643,734098	28.1	15.3	10.8	<1
AQ282	712519,734405	23.7	14.6	10.4	<1
AQ283	713925,733954	29.2	15.2	10.8	<1
AQ284	713205,734451	28.0	15.2	10.8	<1
AQ285	714215,734089	25.9	14.8	10.5	<1
AQ286	708131,734901	25.4	15.0	10.6	<1
AQ287	707872,735236	27.6	15.6	11.0	1
AQ288	709417,734827	25.2	15.0	10.6	<1
AQ289	708303,733290	23.4	14.6	10.4	<1
AQ290	714965,733548	24.6	14.6	10.4	<1
AQ291	713686,733869	27.6	15.1	10.7	<1
AQ292	710732,733813	24.9	14.9	10.5	<1
AQ293	708542,733819	25.5	15.0	10.6	<1
AQ294	710765,733825	24.7	14.8	10.5	<1
AQ295	714548,733909	29.3	15.3	10.8	<1
AQ296	710838,733835	24.0	14.7	10.4	<1
AQ297	714491,733900	26.3	14.9	10.5	<1
AQ298	713451,733726	24.2	14.6	10.4	<1
AQ299	714418,733927	28.5	15.2	10.8	<1
AQ300	714571,733902	29.8	15.3	10.8	<1
AQ301	713446,733732	25.3	14.8	10.5	<1
AQ302	712626,733585	27.1	15.0	10.6	<1
AQ303	713395,733741	25.1	14.8	10.5	<1
AQ304	713298,733712	27.9	15.2	10.8	<1
AQ305	710703,733836	25.2	14.9	10.6	<1
AQ306	710710,733802	25.0	14.9	10.5	<1
AQ307	713296,733696	26.9	15.1	10.7	<1
AQ308	713339,733723	25.4	14.8	10.5	<1
AQ309	713022,733620	31.0	15.6	11.0	1
AQ310	713054,733630	27.6	15.2	10.7	<1
AQ311	713054,733646	28.2	15.2	10.8	<1
AQ312	713080,733635	26.7	15.0	10.6	<1
AQ313	712615,733583	26.3	14.9	10.6	<1
AQ314	713087,733654	26.1	14.9	10.6	<1
AQ315	713113,733645	26.8	15.0	10.6	<1
AQ316	709586,733698	23.8	14.6	10.4	<1
AQ317	714815,733986	29.3	15.3	10.8	<1
AQ318	710966,733862	24.3	14.8	10.5	<1
AQ319	711023,733796	24.1	14.8	10.5	<1
AQ320	711315,733761	26.7	15.0	10.6	<1
AQ321	709485,733700	25.0	14.8	10.5	<1
AQ322	713150,733647	24.6	14.7	10.4	<1
AQ323	715003,733946	31.8	15.6	11.0	1
AQ324	713859,733909	27.1	15.0	10.6	<1
AQ325	711746,733688	25.2	14.9	10.5	<1
AQ326	709537,733703	24.5	14.7	10.4	<1
AQ327	713147,733671	28.3	15.3	10.8	<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}	$\text{PM}_{2.5}$		
AQ328	711509,733706	23.3	14.6	10.4	<1	
AQ329	709773,733686	23.9	14.6	10.4	<1	
AQ330	709806,733689	23.7	14.6	10.4	<1	
AQ331	712906,733635	27.7	15.0	10.6	<1	
AQ332	714348,733933	27.0	15.1	10.7	<1	
AQ333	712994,733627	30.5	15.5	11.0	1	
AQ334	714971,733958	30.9	15.4	10.9	<1	
AQ335	714864,733937	29.1	15.1	10.7	<1	
AQ336	714222,733972	28.9	15.2	10.8	<1	
AQ337	713874,733948	27.8	15.1	10.7	<1	
AQ338	714939,733962	31.9	15.6	11.0	1	
AQ339	714287,733924	26.7	14.9	10.6	<1	
AQ340	714742,733894	27.5	15.0	10.7	<1	
AQ341	713201,733685	29.2	15.4	10.9	<1	
AQ342	713253,733701	28.5	15.3	10.8	<1	
AQ343	713886,733918	27.2	15.0	10.6	<1	
AQ344	714764,733928	30.4	15.4	10.9	<1	
AQ345	711195,733739	24.7	14.8	10.5	<1	
AQ346	713922,733930	28.4	15.1	10.7	<1	
AQ347	713908,733951	28.7	15.2	10.8	<1	
AQ348	713269,733691	27.4	15.2	10.7	<1	
AQ349	713281,733708	28.2	15.3	10.8	<1	
AQ350	714789,733911	28.6	15.1	10.7	<1	
AQ351	710637,733747	24.8	14.8	10.5	<1	
AQ352	713127,733665	28.4	15.3	10.8	<1	
AQ353	710658,733768	25.0	14.9	10.5	<1	
AQ354	710689,733790	25.0	14.9	10.5	<1	
AQ355	712683,733566	27.3	14.9	10.6	<1	
AQ356	714464,733937	31.2	15.5	10.9	1	
AQ357	712840,733598	26.0	14.8	10.5	<1	
AQ358	712880,733600	25.5	14.8	10.5	<1	
AQ359	712822,733607	30.2	15.3	10.8	<1	
AQ360	714371,733953	32.1	15.9	11.2	1	
AQ361	710780,733862	25.1	14.9	10.6	<1	
AQ362	709804,734058	24.8	14.8	10.5	<1	
AQ363	713136,733515	25.1	14.8	10.5	<1	
AQ364	710611,733767	24.9	14.9	10.5	<1	
AQ365	711120,733761	24.2	14.7	10.5	<1	
AQ366	712659,733852	28.5	15.3	10.8	<1	
AQ380	711566,733165	31.2	15.7	11.1	1	
AQ368	715051,734102	30.1	15.3	10.8	<1	
AQ369	715011,734063	27.9	15.0	10.6	<1	
AQ370	708729,734939	28.7	15.4	10.8	<1	
AQ371	708008,735269	31.9	16.5	11.5	1	
AQ372	709192,734853	25.1	15.0	10.6	<1	
AQ373	709176,734927	31.5	16.2	11.3	1	
AQ374	708716,734990	36.6	16.9	11.8	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}	$\text{PM}_{2.5}$		
AQ375	707514,734335	35.3	17.3	12.0	1	
AQ376	707563,734784	30.4	16.3	11.4	1	
AQ377	707475,733479	34.9	16.9	11.8	1	
AQ378	707243,733645	24.5	14.9	10.6	<1	
AQ379	712659,733894	33.2	15.8	11.2	1	
AQ382	711821,733467	38.2	16.2	11.4	1	
AQ381	711805,733476	30.7	15.2	10.8	<1	
AQ367	712701,733687	33.8	15.8	11.1	1	
AQ383	711756,733405	28.8	15.0	10.6	<1	
AQ384	711662,733263	27.8	15.2	10.7	<1	
AQ385	711899,733772	24.5	14.7	10.5	<1	
AQ386	712333,733831	25.1	14.8	10.5	<1	
AQ387	712474,733852	25.2	14.9	10.5	<1	
AQ388	707490,734201	41.1	18.3	12.6	2	
AQ389	710148,734098	26.7	15.3	10.8	<1	
AQ390	710088,734162	27.6	15.5	10.9	1	
AQ391	710046,734107	23.9	14.8	10.5	<1	
Air Quality Limit Value Objective		40	40	25	35	

In the cumulative 2024 DS scenario annual mean concentrations of NO_2 are above the relevant national air quality limit value objective in some areas; one exceedance was modelled at receptors on the R833 Coldcut Road. This is a reduction from six 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 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 two exceedances 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.

1.3 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}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ1	715100,733745	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ2	714612,733821	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ3	713750,734132	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ4	713798,733946	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ5	713683,733743	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ6	712903,733601	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ7	714414,733825	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ8	714262,733962	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ9	714381,733750	<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}	$\text{PM}_{2.5}$
AQ10	707117,734249	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ11	707338,734219	0.2	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ12	714938,734061	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ13	708133,733818	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ14	708373,733645	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ15	707875,733900	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ16	708045,733915	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ17	708227,733874	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ18	708379,733777	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ19	710408,733717	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ20	710232,733776	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ21	713379,733908	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ22	713230,733800	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ23	714940,734127	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ24	711591,733628	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ25	711566,733633	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ26	712118,733515	0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ27	711855,733611	-1.2	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ28	711875,733641	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ29	706754,734593	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ30	708786,733797	<0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ31	708830,733741	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ32	709606,733982	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ33	709596,734032	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ34	714767,733975	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ35	709519,733968	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ36	709099,733595	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ37	709411,733574	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ38	710114,733757	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ39	709964,733821	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ40	710173,733812	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ41	710149,733902	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ42	709773,734036	0.5	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ43	709835,733958	0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ44	709906,733765	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ45	714875,734097	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ46	709837,733806	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ47	712032,733854	1.5	0.2	0.2	0	Slight Adverse	Negligible	Negligible
AQ48	712692,733765	1.9	0.2	0.1	0	Slight Adverse	Negligible	Negligible
AQ49	712386,733811	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ50	715060,734068	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ51	715095,733953	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ52	714960,733960	-0.7	-0.2	-0.1	0	Negligible	Negligible	Negligible
AQ53	714825,734003	-1.6	-0.3	-0.2	0	Slight Beneficial	Negligible	Negligible
AQ54	714943,734088	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ55	713763,733995	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ56	714444,733910	-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}	$\text{PM}_{2.5}$
AQ57	713706,733940	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ58	714025,733935	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ59	713982,733920	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ60	714696,733904	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ61	707493,734097	0.4	0.1	0.1	0	Negligible	Negligible	Negligible
AQ62	707594,733968	0.2	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ63	715137,733764	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ64	714496,733842	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ65	714458,733793	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ66	714712,734012	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ67	714400,733916	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ68	715010,733842	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ69	711171,733893	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ70	710984,733877	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ71	709482,733900	0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ72	709225,733946	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ73	710964,733854	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ74	712159,733584	0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ75	711986,733531	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ76	711013,733906	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ77	710856,733882	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ78	714384,733931	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ79	712061,733563	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ80	712783,733468	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ81	711228,733943	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ82	709321,733628	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ83	708427,733828	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ84	708441,733774	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ85	714873,734057	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ86	713641,733402	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ87	713275,733334	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ88	708038,734362	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ89	714981,733737	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ90	713769,733877	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ91	707684,734095	0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ92	710572,733737	-0.3	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ93	710166,733734	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ94	710136,733733	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ95	710212,733729	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ96	712968,733603	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ97	707625,734136	0.2	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ98	713059,733550	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ99	714599,733879	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ100	713004,733616	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ101	714576,733884	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ102	709930,733679	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ103	707921,733965	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ104	707869,734014	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ105	709990,733684	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ106	710006,733711	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ107	707708,734073	0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ108	710251,733720	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ109	711791,733691	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ110	710284,733708	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ111	709717,733725	-1.1	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ112	711315,733720	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ113	709762,733727	-1.2	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ114	709678,733728	-1.1	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ115	709807,733731	-1.3	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ116	709289,733731	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ117	709473,733678	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ118	714694,733879	-0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ119	708632,733846	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ120	713098,733541	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ121	708671,733842	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ122	713126,733502	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ123	709703,733686	-0.8	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ124	707727,734053	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ125	711233,733732	-0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ126	709743,733686	-1.2	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ127	712875,733627	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ128	714639,733879	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ129	711152,733751	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ130	709494,733745	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ131	712025,733728	-1.4	-0.2	0.1	<1	Negligible	Negligible	Negligible
AQ132	712149,733728	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ133	710349,733674	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ134	712009,733700	-2.1	-0.3	<0.1	<1	Negligible	Negligible	Negligible
AQ135	711903,733438	<0.1	<0.1	0.3	<1	Negligible	Negligible	Negligible
AQ136	709337,733770	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ137	712039,733706	-2.0	-0.3	0.1	<1	Negligible	Negligible	Negligible
AQ138	711982,733496	0.2	<0.1	0.5	0	Negligible	Negligible	Negligible
AQ139	712119,733722	-0.9	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ140	711974,733459	<0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ141	712093,733714	-1.3	-0.2	0.1	<1	Negligible	Negligible	Negligible
AQ142	708937,733820	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ143	708864,733769	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ144	711862,733699	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ145	708888,733817	-0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ146	711239,733765	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ147	709155,733737	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ148	709135,733737	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ149	709198,733781	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ150	711911,733708	-0.8	-0.1	<0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ151	709917,733913	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ152	711931,733452	<0.1	<0.1	0.3	<1	Negligible	Negligible	Negligible
AQ153	712591,733613	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ154	712687,733623	1.3	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ155	712719,733614	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ156	711864,733435	<0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ157	708555,733856	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ158	709647,733731	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ159	712342,733615	0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ160	712390,733618	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ161	707646,734187	0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ162	708902,733764	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ163	709847,733696	-1.9	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ164	711951,733717	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ165	709906,733698	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ166	712683,733590	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ167	711952,733684	-2.3	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ168	711976,733720	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ169	712433,733615	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ170	710092,733728	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ171	712785,733619	-0.8	-0.1	-0.1	0	Negligible	Negligible	Negligible
AQ172	710071,733726	-0.8	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ173	711996,733722	-1.5	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ174	711980,733694	-2.1	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ175	710111,733731	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ176	709410,733717	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ177	707699,734140	0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ178	710311,733696	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ179	709404,733760	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ180	709361,733722	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ181	709638,733690	-0.9	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ182	708973,733756	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ183	713812,733941	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ184	709024,733750	<0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ185	709286,733776	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ186	709213,733728	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ187	709235,733780	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ188	712586,733581	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ189	713566,733816	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ190	713587,733826	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ191	713678,733840	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ192	710026,733721	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ193	712302,733603	0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ194	713637,733850	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ195	712189,733568	0.4	<0.1	0.4	<1	Negligible	Negligible	Negligible
AQ196	708941,733760	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ197	712316,733576	0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ198	712211,733550	0.3	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ199	707666,734162	0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ200	712214,733576	0.4	<0.1	0.3	<1	Negligible	Negligible	Negligible
AQ201	709582,733738	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ202	708779,733829	<0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ203	715039,733934	-0.6	-0.2	-0.1	0	Negligible	Negligible	Negligible
AQ204	714979,733953	-0.6	-0.1	-0.1	0	Negligible	Negligible	Negligible
AQ205	709610,733735	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ206	713816,733944	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ207	713788,733916	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ208	711823,733441	-0.1	-0.1	0.3	<1	Negligible	Negligible	Negligible
AQ209	707582,734168	0.2	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ210	712134,733556	0.3	<0.1	0.4	0	Negligible	Negligible	Negligible
AQ211	711809,733427	<0.1	-0.2	0.3	<1	Negligible	Negligible	Negligible
AQ212	708838,733823	-0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ213	707523,734192	0.3	0.1	<0.1	0	Negligible	Negligible	Negligible
AQ214	712475,733609	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ215	712494,733575	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ216	712270,733559	0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ217	712257,733580	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ218	711291,733715	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ219	711277,733761	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ220	711835,733497	-3.1	-0.5	0.3	<1	Slight Beneficial	Negligible	Negligible
AQ221	711823,733512	-2.5	-0.4	0.2	<1	Slight Beneficial	Negligible	Negligible
AQ222	712760,733614	-0.9	-0.2	-0.1	0	Negligible	Negligible	Negligible
AQ223	712033,733517	0.1	<0.1	0.3	<1	Negligible	Negligible	Negligible
AQ224	712771,733601	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ225	711817,733556	-0.7	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ226	711859,733546	-2.0	-0.3	0.1	<1	Negligible	Negligible	Negligible
AQ227	711840,733459	-0.2	-0.1	0.4	0	Negligible	Negligible	Negligible
AQ228	712065,733531	0.2	<0.1	0.3	<1	Negligible	Negligible	Negligible
AQ229	712541,733578	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ230	712507,733575	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ231	711250,733724	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ232	712504,733609	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ233	711926,733646	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ234	713378,733703	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ235	709837,733756	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ236	711913,733645	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ237	709914,733801	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ238	711945,733661	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ239	707570,734181	0.2	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ240	713478,733766	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ241	711075,733777	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ242	711088,733773	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ243	713535,733801	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ244	713531,733776	-0.8	-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}	$\text{PM}_{2.5}$
AQ245	715046,734244	0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ246	714718,734259	-0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ247	714275,734283	0.9	0.1	0.1	0	Negligible	Negligible	Negligible
AQ248	714209,734360	1.2	0.2	0.1	0	Negligible	Negligible	Negligible
AQ249	714481,734130	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ250	713501,733755	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ251	714516,734350	-2.2	-0.2	-0.2	0	Slight Beneficial	Negligible	Negligible
AQ252	714921,734144	<0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ253	714818,734059	-0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ254	714147,733560	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ255	713040,733405	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ256	713568,733329	1.1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ257	712089,732998	0.2	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ258	711372,732946	-1.2	-0.1	0.3	<1	Negligible	Negligible	Negligible
AQ259	711182,732473	-1.0	-0.1	0.3	<1	Negligible	Negligible	Negligible
AQ260	709641,733199	1.2	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ261	711629,733659	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ262	710000,733260	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ263	709978,733395	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ264	709599,733343	1.1	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ265	713598,733033	0.5	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ266	713792,733061	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ267	714785,733443	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ268	714920,732996	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ269	714772,732929	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ270	715252,733833	-0.2	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ271	715230,733997	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ272	714074,733971	0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ273	714544,733749	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ274	714656,733727	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ275	714761,733644	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ276	715382,733517	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ277	714446,733391	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ278	714515,733573	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ279	714365,732628	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ280	714778,732792	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ281	712643,734098	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ282	712519,734405	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ283	713925,733954	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ284	713205,734451	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ285	714215,734089	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ286	708131,734901	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ287	707872,735236	0.4	0.1	<0.1	0	Negligible	Negligible	Negligible
AQ288	709417,734827	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ289	708303,733290	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ290	714965,733548	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ291	713686,733869	-0.8	-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}	$\text{PM}_{2.5}$
AQ292	710732,733813	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ293	708542,733819	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ294	710765,733825	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ295	714548,733909	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ296	710838,733835	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ297	714491,733900	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ298	713451,733726	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ299	714418,733927	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ300	714571,733902	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ301	713446,733732	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ302	712626,733585	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ303	713395,733741	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ304	713298,733712	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ305	710703,733836	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ306	710710,733802	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ307	713296,733696	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ308	713339,733723	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ309	713022,733620	0.6	0.1	0.1	0	Negligible	Negligible	Negligible
AQ310	713054,733630	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ311	713054,733646	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ312	713080,733635	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ313	712615,733583	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ314	713087,733654	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ315	713113,733645	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ316	709586,733698	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ317	714815,733986	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ318	710966,733862	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ319	711023,733796	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ320	711315,733761	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ321	709485,733700	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ322	713150,733647	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ323	715003,733946	-0.6	-0.1	-0.1	0	Negligible	Negligible	Negligible
AQ324	713859,733909	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ325	711746,733688	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ326	709537,733703	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ327	713147,733671	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ328	711509,733706	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ329	709773,733686	-1.1	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ330	709806,733689	-1.3	-0.2	<0.1	<1	Negligible	Negligible	Negligible
AQ331	712906,733635	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ332	714348,733933	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ333	712994,733627	-1.7	-0.3	-0.2	0	Negligible	Negligible	Negligible
AQ334	714971,733958	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ335	714864,733937	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ336	714222,733972	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ337	713874,733948	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ338	714939,733962	-0.5	-0.2	-0.1	0	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}	$\text{PM}_{2.5}$
AQ339	714287,733924	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ340	714742,733894	-0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ341	713201,733685	-2.2	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ342	713253,733701	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ343	713886,733918	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ344	714764,733928	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ345	711195,733739	-0.1	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ346	713922,733930	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ347	713908,733951	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ348	713269,733691	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ349	713281,733708	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ350	714789,733911	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ351	710637,733747	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ352	713127,733665	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ353	710658,733768	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ354	710689,733790	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ355	712683,733566	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ356	714464,733937	-0.2	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ357	712840,733598	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ358	712880,733600	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ359	712822,733607	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ360	714371,733953	<0.1	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ361	710780,733862	-0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ362	709804,734058	0.5	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ363	713136,733515	1.1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ364	710611,733767	-0.2	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ365	711120,733761	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ366	712659,733852	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ380	711566,733165	-2.2	-0.3	0.4	0	Slight Beneficial	Negligible	Negligible
AQ368	715051,734102	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ369	715011,734063	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ370	708729,734939	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ371	708008,735269	0.6	0.1	0.1	0	Negligible	Negligible	Negligible
AQ372	709192,734853	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ373	709176,734927	0.7	0.1	0.1	0	Negligible	Negligible	Negligible
AQ374	708716,734990	1.3	0.2	0.1	0	Slight Adverse	Negligible	Negligible
AQ375	707514,734335	0.8	0.1	0.1	0	Negligible	Negligible	Negligible
AQ376	707563,734784	0.3	<0.1	<0.1	0	Negligible	Negligible	Negligible
AQ377	707475,733479	0.4	0.1	<0.1	0	Negligible	Negligible	Negligible
AQ378	707243,733645	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ379	712659,733894	1.2	0.1	0.1	0	Negligible	Negligible	Negligible
AQ382	711821,733467	-1.9	-0.4	0.6	0	Slight Beneficial	Negligible	Negligible
AQ381	711805,733476	-1.7	-0.3	0.3	<1	Negligible	Negligible	Negligible
AQ367	712701,733687	3.0	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ383	711756,733405	<0.1	-0.2	0.2	<1	Negligible	Negligible	Negligible
AQ384	711662,733263	-1.4	-0.2	0.3	<1	Negligible	Negligible	Negligible
AQ385	711899,733772	-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}	$\text{PM}_{2.5}$
AQ386	712333,733831	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ387	712474,733852	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ388	707490,734201	0.6	0.1	0.1	0	Slight Adverse	Negligible	Negligible
AQ389	710148,734098	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ390	710088,734162	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ391	710046,734107	0.2	<0.1	<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 NO_2 concentration. A slightly beneficial impact is estimated at seven receptors. All beneficial impacts are modelled along the Proposed Scheme. A slight adverse impact is expected at five receptors. The Proposed Scheme is overall neutral in terms of annual mean PM_{10} and $\text{PM}_{2.5}$ concentrations, with all receptors experiencing a negligible impact.

2. Operational Traffic Assessment

2.1 'Do Minimum' Scenario

Predicted annual mean concentrations of 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 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. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ1	715100,733745	27.5	15.0	10.6	<1
AQ2	714612,733821	26.0	14.8	10.5	<1
AQ3	713750,734132	22.8	14.4	10.3	<1
AQ4	713798,733946	27.0	15.0	10.6	<1
AQ5	713683,733743	23.5	14.5	10.3	<1
AQ6	712903,733601	24.9	14.7	10.4	<1
AQ7	714414,733825	26.0	14.8	10.5	<1
AQ8	714262,733962	29.4	15.3	10.8	<1
AQ9	714381,733750	25.4	14.8	10.5	<1
AQ10	707117,734249	26.1	15.1	10.6	<1
AQ11	707338,734219	29.5	15.8	11.0	1
AQ12	714938,734061	27.5	15.0	10.6	<1
AQ13	708133,733818	22.5	14.5	10.3	<1
AQ14	708373,733645	22.1	14.4	10.2	<1
AQ15	707875,733900	23.3	14.6	10.4	<1
AQ16	708045,733915	24.4	14.8	10.5	<1
AQ17	708227,733874	24.8	14.8	10.5	<1
AQ18	708379,733777	22.3	14.4	10.2	<1
AQ19	710408,733717	23.9	14.7	10.4	<1
AQ20	710232,733776	24.0	14.7	10.4	<1
AQ21	713379,733908	23.9	14.6	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}	$\text{PM}_{2.5}$	
AQ22	713230,733800	24.2	14.6	10.4	<1
AQ23	714940,734127	27.2	15.0	10.6	<1
AQ24	711591,733628	22.1	14.4	10.2	<1
AQ25	711566,733633	22.0	14.4	10.2	<1
AQ26	712118,733515	24.2	14.7	10.4	<1
AQ27	711855,733611	25.2	14.8	10.5	<1
AQ28	711875,733641	25.7	14.9	10.5	<1
AQ29	706754,734593	21.7	14.3	10.2	<1
AQ30	708786,733797	24.4	14.8	10.5	<1
AQ31	708830,733741	23.3	14.6	10.3	<1
AQ32	709606,733982	23.3	14.5	10.3	<1
AQ33	709596,734032	22.3	14.4	10.2	<1
AQ34	714767,733975	27.1	15.0	10.6	<1
AQ35	709519,733968	22.1	14.4	10.2	<1
AQ36	709099,733595	23.8	14.6	10.4	<1
AQ37	709411,733574	21.9	14.3	10.2	<1
AQ38	710114,733757	27.5	15.2	10.7	<1
AQ39	709964,733821	24.9	14.7	10.4	<1
AQ40	710173,733812	23.4	14.6	10.3	<1
AQ41	710149,733902	22.7	14.5	10.3	<1
AQ42	709773,734036	23.4	14.6	10.3	<1
AQ43	709835,733958	23.2	14.5	10.3	<1
AQ44	709906,733765	25.2	14.8	10.5	<1
AQ45	714875,734097	27.1	15.0	10.6	<1
AQ46	709837,733806	23.3	14.5	10.3	<1
AQ48	712692,733765	34.8	16.1	11.3	1
AQ49	712386,733811	24.0	14.6	10.4	<1
AQ50	715060,734068	31.5	15.3	10.8	<1
AQ51	715095,733953	32.5	15.6	10.9	1
AQ52	714960,733960	35.5	16.1	11.3	1
AQ53	714825,734003	39.4	17.0	11.8	1
AQ54	714943,734088	26.5	14.9	10.5	<1
AQ55	713763,733995	23.5	14.5	10.3	<1
AQ56	714444,733910	28.0	15.1	10.7	<1
AQ57	713706,733940	25.2	14.8	10.5	<1
AQ58	714025,733935	25.7	14.8	10.5	<1
AQ59	713982,733920	26.8	15.0	10.6	<1
AQ60	714696,733904	28.9	15.3	10.8	<1
AQ61	707493,734097	36.0	16.9	11.7	1
AQ62	707594,733968	33.4	16.3	11.4	1
AQ63	715137,733764	28.1	15.0	10.6	<1
AQ64	714496,733842	24.2	14.6	10.4	<1
AQ65	714458,733793	24.7	14.7	10.4	<1
AQ66	714712,734012	26.0	14.8	10.5	<1
AQ67	714400,733916	26.1	14.9	10.5	<1
AQ68	715010,733842	26.0	14.8	10.5	<1
AQ69	711171,733893	22.4	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}	$\text{PM}_{2.5}$	
AQ70	710984,733877	23.4	14.6	10.4	<1
AQ71	709482,733900	22.4	14.4	10.2	<1
AQ72	709225,733946	23.5	14.5	10.3	<1
AQ73	710964,733854	25.4	15.0	10.6	<1
AQ74	712159,733584	24.7	14.7	10.4	<1
AQ75	711986,733531	24.7	14.7	10.4	<1
AQ76	711013,733906	22.7	14.5	10.3	<1
AQ77	710856,733882	26.2	15.1	10.6	<1
AQ78	714384,733931	27.4	15.1	10.7	<1
AQ79	712061,733563	24.2	14.7	10.4	<1
AQ80	712783,733468	27.5	15.1	10.6	<1
AQ81	711228,733943	22.7	14.5	10.3	<1
AQ82	709321,733628	21.9	14.3	10.2	<1
AQ83	708427,733828	23.8	14.7	10.4	<1
AQ84	708441,733774	22.4	14.4	10.3	<1
AQ85	714873,734057	29.5	15.3	10.8	<1
AQ86	713641,733402	22.5	14.4	10.2	<1
AQ87	713275,733334	26.9	15.0	10.6	<1
AQ88	708038,734362	24.1	14.7	10.4	<1
AQ89	714981,733737	24.9	14.7	10.4	<1
AQ90	713769,733877	28.3	15.1	10.7	<1
AQ91	707684,734095	31.2	15.8	11.1	1
AQ92	710572,733737	25.3	14.9	10.5	<1
AQ93	710166,733734	25.7	15.0	10.6	<1
AQ94	710136,733733	25.9	15.0	10.6	<1
AQ95	710212,733729	25.2	14.9	10.5	<1
AQ96	712968,733603	25.7	14.8	10.5	<1
AQ97	707625,734136	31.3	15.8	11.1	1
AQ98	713059,733550	23.4	14.5	10.3	<1
AQ99	714599,733879	30.5	15.3	10.8	<1
AQ100	713004,733616	26.2	14.9	10.5	<1
AQ101	714576,733884	28.4	15.1	10.7	<1
AQ102	709930,733679	25.8	14.8	10.5	<1
AQ103	707921,733965	24.8	14.8	10.5	<1
AQ104	707869,734014	26.5	15.1	10.6	<1
AQ105	709990,733684	27.4	15.0	10.6	<1
AQ106	710006,733711	28.3	15.1	10.7	<1
AQ107	707708,734073	29.2	15.5	10.9	1
AQ108	710251,733720	25.1	14.9	10.5	<1
AQ109	711791,733691	26.2	15.1	10.6	<1
AQ110	710284,733708	24.8	14.8	10.5	<1
AQ111	709717,733725	25.3	14.9	10.5	<1
AQ112	711315,733720	24.7	14.7	10.4	<1
AQ113	709762,733727	25.4	14.9	10.5	<1
AQ114	709678,733728	24.8	14.8	10.5	<1
AQ115	709807,733731	25.3	14.9	10.5	<1
AQ116	709289,733731	24.3	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}	$\text{PM}_{2.5}$	
AQ117	709473,733678	24.2	14.7	10.4	<1
AQ118	714694,733879	27.0	15.0	10.6	<1
AQ119	708632,733846	25.9	15.0	10.6	<1
AQ120	713098,733541	24.4	14.6	10.4	<1
AQ121	708671,733842	25.5	14.9	10.6	<1
AQ122	713126,733502	23.7	14.5	10.3	<1
AQ123	709703,733686	24.4	14.7	10.4	<1
AQ124	707727,734053	27.6	15.3	10.8	<1
AQ125	711233,733732	25.0	14.8	10.5	<1
AQ126	709743,733686	25.5	14.9	10.5	<1
AQ127	712875,733627	31.1	15.5	10.9	1
AQ128	714639,733879	28.0	15.1	10.7	<1
AQ129	711152,733751	24.6	14.8	10.5	<1
AQ130	709494,733745	26.9	15.1	10.6	<1
AQ131	712025,733728	26.5	15.0	10.6	<1
AQ132	712149,733728	24.7	14.7	10.4	<1
AQ133	710349,733674	23.9	14.7	10.4	<1
AQ134	712009,733700	27.8	15.2	10.7	<1
AQ135	711903,733438	27.1	15.0	10.6	<1
AQ136	709337,733770	25.1	14.8	10.5	<1
AQ137	712039,733706	27.9	15.2	10.7	<1
AQ138	711982,733496	31.1	15.6	11.0	1
AQ139	712119,733722	25.3	14.8	10.5	<1
AQ140	711974,733459	25.3	14.8	10.5	<1
AQ141	712093,733714	26.1	14.9	10.5	<1
AQ142	708937,733820	24.3	14.7	10.4	<1
AQ143	708864,733769	24.0	14.7	10.4	<1
AQ144	711862,733699	26.7	15.1	10.7	<1
AQ145	708888,733817	25.3	14.9	10.5	<1
AQ146	711239,733765	26.4	15.0	10.6	<1
AQ147	709155,733737	24.6	14.7	10.4	<1
AQ148	709135,733737	24.4	14.6	10.4	<1
AQ149	709198,733781	28.4	15.2	10.7	<1
AQ150	711911,733708	26.8	15.1	10.6	<1
AQ151	709917,733913	24.8	14.8	10.5	<1
AQ152	711931,733452	27.6	15.0	10.6	<1
AQ153	712591,733613	26.2	15.0	10.6	<1
AQ154	712687,733623	30.2	15.3	10.8	<1
AQ155	712719,733614	31.5	15.4	10.9	<1
AQ156	711864,733435	26.6	14.9	10.5	<1
AQ157	708555,733856	26.3	15.1	10.6	<1
AQ158	709647,733731	24.6	14.8	10.4	<1
AQ159	712342,733615	25.6	14.9	10.5	<1
AQ160	712390,733618	26.0	15.0	10.6	<1
AQ161	707646,734187	31.8	16.0	11.2	1
AQ162	708902,733764	23.4	14.6	10.3	<1
AQ163	709847,733696	26.1	14.9	10.6	<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}	$\text{PM}_{2.5}$	
AQ164	711951,733717	26.7	15.0	10.6	<1
AQ165	709906,733698	26.6	14.9	10.6	<1
AQ166	712683,733590	28.8	15.0	10.6	<1
AQ167	711952,733684	28.5	15.2	10.7	<1
AQ168	711976,733720	26.3	15.0	10.6	<1
AQ169	712433,733615	26.0	15.0	10.6	<1
AQ170	710092,733728	27.1	15.0	10.6	<1
AQ171	712785,733619	31.9	15.6	10.9	1
AQ172	710071,733726	28.0	15.1	10.6	<1
AQ173	711996,733722	26.3	15.0	10.6	<1
AQ174	711980,733694	27.5	15.1	10.7	<1
AQ175	710111,733731	26.5	15.0	10.6	<1
AQ176	709410,733717	24.5	14.7	10.4	<1
AQ177	707699,734140	31.9	15.9	11.1	1
AQ178	710311,733696	24.8	14.8	10.5	<1
AQ179	709404,733760	25.5	14.9	10.5	<1
AQ180	709361,733722	24.2	14.7	10.4	<1
AQ181	709638,733690	24.4	14.7	10.4	<1
AQ182	708973,733756	23.3	14.6	10.3	<1
AQ183	713812,733941	28.4	15.1	10.7	<1
AQ184	709024,733750	23.4	14.6	10.3	<1
AQ185	709286,733776	25.2	14.9	10.5	<1
AQ186	709213,733728	23.9	14.6	10.4	<1
AQ187	709235,733780	26.0	14.9	10.5	<1
AQ188	712586,733581	25.2	14.8	10.5	<1
AQ189	713566,733816	26.6	15.0	10.6	<1
AQ190	713587,733826	27.1	15.1	10.6	<1
AQ191	713678,733840	26.7	14.9	10.6	<1
AQ192	710026,733721	29.5	15.2	10.7	<1
AQ193	712302,733603	26.2	15.0	10.6	<1
AQ194	713637,733850	31.7	15.6	10.9	1
AQ195	712189,733568	28.4	15.3	10.8	<1
AQ196	708941,733760	23.3	14.6	10.3	<1
AQ197	712316,733576	25.5	14.9	10.5	<1
AQ198	712211,733550	25.4	14.8	10.5	<1
AQ199	707666,734162	35.3	16.3	11.4	1
AQ200	712214,733576	27.5	15.1	10.7	<1
AQ201	709582,733738	24.8	14.8	10.5	<1
AQ202	708779,733829	24.9	14.9	10.5	<1
AQ203	715039,733934	34.6	15.9	11.2	1
AQ204	714979,733953	32.9	15.7	11.0	1
AQ205	709610,733735	24.5	14.8	10.4	<1
AQ206	713816,733944	27.8	15.1	10.6	<1
AQ207	713788,733916	28.1	15.1	10.7	<1
AQ208	711823,733441	30.0	15.3	10.8	<1
AQ209	707582,734168	30.9	15.9	11.1	1
AQ210	712134,733556	28.8	15.4	10.8	<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}	$\text{PM}_{2.5}$	
AQ211	711809,733427	29.8	15.3	10.8	<1
AQ212	708838,733823	25.0	14.9	10.5	<1
AQ213	707523,734192	34.0	16.6	11.5	1
AQ214	712475,733609	25.2	14.8	10.5	<1
AQ215	712494,733575	24.1	14.7	10.4	<1
AQ216	712270,733559	25.1	14.8	10.5	<1
AQ217	712257,733580	27.1	15.1	10.7	<1
AQ218	711291,733715	24.4	14.6	10.4	<1
AQ219	711277,733761	27.1	15.1	10.6	<1
AQ220	711835,733497	34.8	15.7	11.1	1
AQ221	711823,733512	31.6	15.4	10.8	<1
AQ222	712760,733614	34.5	15.9	11.1	1
AQ223	712033,733517	27.5	15.2	10.7	<1
AQ224	712771,733601	30.4	15.4	10.8	<1
AQ225	711817,733556	24.6	14.6	10.4	<1
AQ226	711859,733546	29.0	15.1	10.7	<1
AQ227	711840,733459	31.3	15.5	10.9	1
AQ228	712065,733531	27.2	15.1	10.7	<1
AQ229	712541,733578	24.7	14.8	10.4	<1
AQ230	712507,733575	24.2	14.7	10.4	<1
AQ231	711250,733724	24.4	14.7	10.4	<1
AQ232	712504,733609	26.0	15.0	10.6	<1
AQ233	711926,733646	25.9	14.9	10.5	<1
AQ234	713378,733703	24.9	14.8	10.4	<1
AQ235	709837,733756	24.5	14.7	10.4	<1
AQ236	711913,733645	27.9	15.2	10.7	<1
AQ237	709914,733801	24.8	14.7	10.4	<1
AQ238	711945,733661	25.7	14.9	10.5	<1
AQ239	707570,734181	32.1	16.2	11.3	1
AQ240	713478,733766	26.8	15.1	10.6	<1
AQ241	711075,733777	24.3	14.8	10.4	<1
AQ242	711088,733773	24.4	14.8	10.5	<1
AQ243	713535,733801	27.9	15.2	10.7	<1
AQ244	713531,733776	25.8	14.9	10.5	<1
AQ245	715046,734244	31.1	15.5	10.9	<1
AQ246	714718,734259	30.9	15.7	11.0	1
AQ247	714275,734283	32.2	15.8	11.1	1
AQ248	714209,734360	31.8	16.0	11.2	1
AQ249	714481,734130	25.1	14.7	10.4	<1
AQ250	713501,733755	26.1	14.9	10.6	<1
AQ251	714516,734350	34.8	15.7	11.0	1
AQ252	714921,734144	30.9	15.7	11.0	1
AQ253	714818,734059	31.9	15.6	11.0	1
AQ254	714147,733560	27.0	14.9	10.6	<1
AQ255	713040,733405	25.8	14.8	10.5	<1
AQ256	713568,733329	23.7	14.5	10.3	<1
AQ257	712089,732998	25.2	14.9	10.5	<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}	$\text{PM}_{2.5}$	
AQ258	711372,732946	30.1	15.3	10.8	<1
AQ259	711182,732473	28.1	15.2	10.7	<1
AQ260	709641,733199	24.4	14.7	10.4	<1
AQ261	711629,733659	23.1	14.5	10.3	<1
AQ262	710000,733260	24.3	14.6	10.4	<1
AQ263	709978,733395	23.7	14.6	10.4	<1
AQ264	709599,733343	23.2	14.5	10.3	<1
AQ265	713598,733033	27.3	15.2	10.7	<1
AQ266	713792,733061	26.3	14.9	10.5	<1
AQ267	714785,733443	24.6	14.7	10.4	<1
AQ268	714920,732996	28.5	15.2	10.7	<1
AQ269	714772,732929	22.2	14.3	10.2	<1
AQ270	715252,733833	30.3	15.4	10.9	<1
AQ271	715230,733997	29.9	15.3	10.8	<1
AQ272	714074,733971	30.4	15.6	10.9	1
AQ273	714544,733749	29.8	15.3	10.8	<1
AQ274	714656,733727	23.9	14.5	10.3	<1
AQ275	714761,733644	24.7	14.7	10.4	<1
AQ276	715382,733517	25.1	14.6	10.4	<1
AQ277	714446,733391	26.8	15.0	10.6	<1
AQ278	714515,733573	26.4	14.9	10.5	<1
AQ279	714365,732628	29.6	15.3	10.8	<1
AQ280	714778,732792	23.0	14.4	10.2	<1
AQ281	712643,734098	27.8	15.2	10.7	<1
AQ282	712519,734405	23.4	14.5	10.3	<1
AQ283	713925,733954	28.9	15.2	10.7	<1
AQ284	713205,734451	27.6	15.1	10.7	<1
AQ285	714215,734089	25.5	14.7	10.4	<1
AQ286	708131,734901	25.5	14.9	10.5	<1
AQ287	707872,735236	27.5	15.5	10.9	1
AQ288	709417,734827	24.9	14.9	10.5	<1
AQ289	708303,733290	23.1	14.5	10.3	<1
AQ290	714965,733548	26.3	14.8	10.5	<1
AQ291	713686,733869	28.3	15.2	10.7	<1
AQ292	710732,733813	25.2	14.9	10.5	<1
AQ293	708542,733819	25.6	15.0	10.6	<1
AQ294	710765,733825	24.9	14.9	10.5	<1
AQ295	714548,733909	29.8	15.3	10.8	<1
AQ296	710838,733835	24.1	14.7	10.4	<1
AQ297	714491,733900	26.7	14.9	10.5	<1
AQ298	713451,733726	24.6	14.7	10.4	<1
AQ299	714418,733927	28.9	15.3	10.8	<1
AQ300	714571,733902	30.4	15.4	10.8	<1
AQ301	713446,733732	26.0	14.9	10.5	<1
AQ302	712626,733585	26.5	14.9	10.5	<1
AQ303	713395,733741	25.8	14.9	10.5	<1
AQ304	713298,733712	29.5	15.5	10.9	<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}	$\text{PM}_{2.5}$	
AQ305	710703,733836	25.4	14.9	10.6	<1
AQ306	710710,733802	25.2	14.9	10.5	<1
AQ307	713296,733696	28.1	15.3	10.7	<1
AQ308	713339,733723	26.1	14.9	10.6	<1
AQ309	713022,733620	30.5	15.6	10.9	1
AQ310	713054,733630	28.7	15.3	10.8	<1
AQ311	713054,733646	29.4	15.4	10.9	<1
AQ312	713080,733635	27.7	15.2	10.7	<1
AQ313	712615,733583	25.8	14.8	10.5	<1
AQ314	713087,733654	27.0	15.1	10.6	<1
AQ315	713113,733645	27.9	15.2	10.7	<1
AQ316	709586,733698	24.7	14.8	10.5	<1
AQ317	714815,733986	30.1	15.4	10.9	<1
AQ318	710966,733862	24.5	14.8	10.5	<1
AQ319	711023,733796	24.3	14.8	10.4	<1
AQ320	711315,733761	26.9	15.0	10.6	<1
AQ321	709485,733700	24.7	14.7	10.4	<1
AQ322	713150,733647	25.2	14.8	10.5	<1
AQ323	715003,733946	33.2	15.7	11.1	1
AQ324	713859,733909	27.3	15.0	10.6	<1
AQ325	711746,733688	25.3	14.9	10.5	<1
AQ326	709537,733703	25.1	14.8	10.5	<1
AQ327	713147,733671	29.8	15.5	10.9	1
AQ328	711509,733706	23.3	14.6	10.3	<1
AQ329	709773,733686	25.1	14.8	10.5	<1
AQ330	709806,733689	25.0	14.8	10.5	<1
AQ331	712906,733635	28.1	15.1	10.7	<1
AQ332	714348,733933	27.0	15.1	10.6	<1
AQ333	712994,733627	31.5	15.7	11.0	1
AQ334	714971,733958	32.1	15.6	11.0	1
AQ335	714864,733937	29.4	15.2	10.7	<1
AQ336	714222,733972	28.4	15.2	10.7	<1
AQ337	713874,733948	27.6	15.1	10.7	<1
AQ338	714939,733962	33.1	15.8	11.1	1
AQ339	714287,733924	26.9	14.9	10.6	<1
AQ340	714742,733894	27.7	15.1	10.6	<1
AQ341	713201,733685	31.1	15.7	11.0	1
AQ342	713253,733701	30.1	15.6	10.9	1
AQ343	713886,733918	27.3	15.0	10.6	<1
AQ344	714764,733928	30.4	15.4	10.8	<1
AQ345	711195,733739	25.0	14.8	10.5	<1
AQ346	713922,733930	28.1	15.1	10.7	<1
AQ347	713908,733951	28.4	15.2	10.7	<1
AQ348	713269,733691	28.8	15.4	10.8	<1
AQ349	713281,733708	29.8	15.5	10.9	1
AQ350	714789,733911	28.6	15.1	10.7	<1
AQ351	710637,733747	25.1	14.9	10.5	<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}	$\text{PM}_{2.5}$	
AQ352	713127,733665	30.0	15.6	10.9	1
AQ353	710658,733768	25.3	14.9	10.5	<1
AQ354	710689,733790	25.3	14.9	10.5	<1
AQ355	712683,733566	27.0	14.8	10.5	<1
AQ356	714464,733937	31.8	15.5	10.9	1
AQ357	712840,733598	26.1	14.8	10.5	<1
AQ358	712880,733600	25.7	14.8	10.5	<1
AQ359	712822,733607	30.6	15.4	10.9	<1
AQ360	714371,733953	31.9	15.9	11.1	1
AQ361	710780,733862	25.2	14.9	10.5	<1
AQ362	709804,734058	24.4	14.7	10.4	<1
AQ363	713136,733515	24.3	14.6	10.4	<1
AQ364	710611,733767	25.2	14.9	10.5	<1
AQ365	711120,733761	24.4	14.8	10.4	<1
AQ366	712659,733852	27.9	15.2	10.7	<1
AQ367	712701,733687	31.2	15.5	10.9	<1
AQ368	715051,734102	31.2	15.3	10.8	<1
AQ369	715011,734063	28.0	15.0	10.6	<1
AQ370	708729,734939	28.5	15.3	10.8	<1
AQ371	708008,735269	31.5	16.3	11.3	1
AQ372	709192,734853	24.9	15.0	10.6	<1
AQ373	709176,734927	30.7	16.0	11.2	1
AQ375	707514,734335	36.5	17.2	11.9	1
AQ376	707563,734784	31.0	16.2	11.3	1
AQ377	707475,733479	36.6	16.9	11.7	1
AQ378	707243,733645	24.7	14.9	10.5	<1
AQ379	712659,733894	32.4	15.7	11.0	1
AQ380	711566,733165	32.9	16.0	11.2	1
AQ381	711805,733476	32.1	15.5	10.9	1
AQ382	711821,733467	39.4	16.5	11.5	1
AQ383	711756,733405	28.2	15.1	10.7	<1
AQ384	711662,733263	28.9	15.4	10.8	<1
AQ385	711899,733772	24.5	14.7	10.4	<1
AQ386	712333,733831	25.0	14.8	10.5	<1
AQ387	712474,733852	25.0	14.8	10.5	<1
AQ388	707490,734201	41.9	18.1	12.4	2
AQ389	710148,734098	26.3	15.2	10.7	<1
AQ390	710088,734162	27.0	15.4	10.8	<1
AQ391	710046,734107	23.8	14.7	10.4	<1
Air Quality Limit Value Objective		40	40	25	35

In the cumulative 2028 DM scenario one exceedance was modelled at one receptor on the R833 Coldcut Road. 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 objectives 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 exceedances 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 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

Receptor	Receptor Location (ITM)	DS (2028)			No of PM ₁₀ days > 50 µg/m ³
		Annual Mean Conc. (µg/m ³)			
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	715100,733745	25.4	14.7	10.4	<1
AQ2	714612,733821	25.6	14.7	10.4	<1
AQ3	713750,734132	22.9	14.4	10.2	<1
AQ4	713798,733946	26.0	14.8	10.5	<1
AQ5	713683,733743	23.4	14.5	10.3	<1
AQ6	712903,733601	24.6	14.6	10.4	<1
AQ7	714414,733825	25.7	14.8	10.5	<1
AQ8	714262,733962	28.1	15.0	10.6	<1
AQ9	714381,733750	26.1	14.8	10.5	<1
AQ10	707117,734249	24.9	14.9	10.5	<1
AQ11	707338,734219	29.0	15.6	11.0	1
AQ12	714938,734061	26.6	14.9	10.5	<1
AQ13	708133,733818	22.6	14.4	10.3	<1
AQ14	708373,733645	22.1	14.4	10.2	<1
AQ15	707875,733900	23.2	14.6	10.3	<1
AQ16	708045,733915	24.1	14.6	10.4	<1
AQ17	708227,733874	26.0	14.8	10.5	<1
AQ18	708379,733777	22.4	14.4	10.2	<1
AQ19	710408,733717	22.8	14.5	10.3	<1
AQ20	710232,733776	22.8	14.5	10.3	<1
AQ21	713379,733908	23.8	14.6	10.3	<1
AQ22	713230,733800	23.8	14.5	10.3	<1
AQ23	714940,734127	26.8	15.0	10.6	<1
AQ24	711591,733628	21.7	14.3	10.2	<1
AQ25	711566,733633	21.7	14.3	10.2	1
AQ26	712118,733515	24.1	14.6	10.4	<1
AQ27	711855,733611	23.4	14.5	10.3	<1
AQ28	711875,733641	23.6	14.6	10.3	<1
AQ29	706754,734593	21.7	14.3	10.2	<1
AQ30	708786,733797	22.9	14.5	10.3	<1
AQ31	708830,733741	23.0	14.5	10.3	<1
AQ32	709606,733982	23.4	14.5	10.3	<1
AQ33	709596,734032	22.3	14.4	10.2	<1
AQ34	714767,733975	26.2	14.8	10.5	<1
AQ35	709519,733968	22.1	14.3	10.2	<1
AQ36	709099,733595	22.9	14.5	10.3	<1
AQ37	709411,733574	22.0	14.3	10.2	<1
AQ38	710114,733757	24.5	14.7	10.4	<1
AQ39	709964,733821	23.6	14.5	10.3	<1
AQ40	710173,733812	22.5	14.4	10.2	<1

DS (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}	
AQ41	710149,733902	22.3	14.4	10.2	<1
AQ42	709773,734036	23.5	14.5	10.3	<1
AQ43	709835,733958	23.1	14.5	10.3	<1
AQ44	709906,733765	23.2	14.5	10.3	<1
AQ45	714875,734097	26.1	14.8	10.5	<1
AQ46	709837,733806	22.8	14.4	10.3	<1
AQ48	712692,733765	34.8	16.1	11.3	1
AQ49	712386,733811	23.7	14.6	10.3	<1
AQ50	715060,734068	30.0	15.2	10.7	<1
AQ51	715095,733953	30.5	15.2	10.7	<1
AQ52	714960,733960	30.3	15.1	10.7	<1
AQ53	714825,734003	30.8	15.6	10.9	1
AQ54	714943,734088	25.8	14.8	10.5	<1
AQ55	713763,733995	23.2	14.5	10.3	<1
AQ56	714444,733910	26.9	14.9	10.5	<1
AQ57	713706,733940	24.5	14.7	10.4	<1
AQ58	714025,733935	25.6	14.8	10.5	<1
AQ59	713982,733920	27.7	15.0	10.6	<1
AQ60	714696,733904	26.7	14.9	10.5	<1
AQ61	707493,734097	36.5	16.9	11.7	1
AQ62	707594,733968	30.7	15.8	11.1	1
AQ63	715137,733764	25.8	14.8	10.5	<1
AQ64	714496,733842	24.0	14.5	10.3	<1
AQ65	714458,733793	24.7	14.6	10.4	<1
AQ66	714712,734012	25.8	14.8	10.5	<1
AQ67	714400,733916	25.4	14.7	10.4	<1
AQ68	715010,733842	26.2	14.7	10.5	<1
AQ69	711171,733893	22.1	14.4	10.2	<1
AQ70	710984,733877	22.5	14.5	10.3	<1
AQ71	709482,733900	22.3	14.4	10.2	<1
AQ72	709225,733946	23.0	14.5	10.3	<1
AQ73	710964,733854	23.6	14.7	10.4	<1
AQ74	712159,733584	24.3	14.6	10.4	<1
AQ75	711986,733531	24.3	14.6	10.4	<1
AQ76	711013,733906	22.2	14.4	10.2	<1
AQ77	710856,733882	24.7	14.8	10.5	<1
AQ78	714384,733931	26.1	14.9	10.5	<1
AQ79	712061,733563	24.0	14.6	10.3	<1
AQ80	712783,733468	29.3	15.2	10.7	<1
AQ81	711228,733943	22.6	14.5	10.3	<1
AQ82	709321,733628	21.9	14.3	10.2	<1
AQ83	708427,733828	24.1	14.6	10.3	<1
AQ84	708441,733774	22.4	14.4	10.2	<1
AQ85	714873,734057	28.1	15.1	10.6	<1
AQ86	713641,733402	23.7	14.5	10.3	<1
AQ87	713275,733334	28.0	15.1	10.7	<1
AQ88	708038,734362	23.7	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}	
AQ89	714981,733737	24.6	14.6	10.4	<1
AQ90	713769,733877	25.9	14.8	10.5	<1
AQ91	707684,734095	28.6	15.4	10.8	<1
AQ92	710572,733737	23.2	14.6	10.3	<1
AQ93	710166,733734	23.1	14.5	10.3	<1
AQ94	710136,733733	23.2	14.5	10.3	<1
AQ95	710212,733729	22.9	14.5	10.3	<1
AQ96	712968,733603	24.6	14.7	10.4	<1
AQ97	707625,734136	29.7	15.5	10.9	1
AQ98	713059,733550	23.2	14.5	10.3	<1
AQ99	714599,733879	28.4	15.0	10.6	<1
AQ100	713004,733616	24.7	14.7	10.4	<1
AQ101	714576,733884	26.7	14.8	10.5	<1
AQ102	709930,733679	23.6	14.5	10.3	<1
AQ103	707921,733965	24.5	14.7	10.4	<1
AQ104	707869,734014	25.4	14.9	10.5	<1
AQ105	709990,733684	24.9	14.7	10.4	<1
AQ106	710006,733711	24.6	14.6	10.4	<1
AQ107	707708,734073	27.2	15.2	10.7	<1
AQ108	710251,733720	22.9	14.5	10.3	<1
AQ109	711791,733691	23.6	14.6	10.4	<1
AQ110	710284,733708	22.8	14.5	10.3	<1
AQ111	709717,733725	24.0	14.5	10.3	<1
AQ112	711315,733720	23.5	14.5	10.3	<1
AQ113	709762,733727	24.0	14.5	10.3	<1
AQ114	709678,733728	23.1	14.5	10.3	<1
AQ115	709807,733731	23.4	14.5	10.3	<1
AQ116	709289,733731	23.7	14.5	10.3	<1
AQ117	709473,733678	24.4	14.6	10.4	<1
AQ118	714694,733879	25.2	14.7	10.4	<1
AQ119	708632,733846	24.7	14.8	10.5	<1
AQ120	713098,733541	23.6	14.5	10.3	<1
AQ121	708671,733842	24.2	14.7	10.4	<1
AQ122	713126,733502	23.5	14.5	10.3	<1
AQ123	709703,733686	23.2	14.4	10.3	<1
AQ124	707727,734053	26.2	15.0	10.6	<1
AQ125	711233,733732	23.2	14.5	10.3	<1
AQ126	709743,733686	23.8	14.5	10.3	<1
AQ127	712875,733627	29.8	15.1	10.7	<1
AQ128	714639,733879	26.2	14.8	10.5	<1
AQ129	711152,733751	22.9	14.5	10.3	<1
AQ130	709494,733745	26.3	14.8	10.5	<1
AQ131	712025,733728	25.1	14.7	10.4	<1
AQ132	712149,733728	24.4	14.6	10.4	<1
AQ133	710349,733674	22.7	14.5	10.3	<1
AQ134	712009,733700	26.1	14.9	10.5	<1
AQ135	711903,733438	26.1	14.8	10.5	<1

DS (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}	
AQ136	709337,733770	23.9	14.6	10.3	<1
AQ137	712039,733706	26.1	14.8	10.5	<1
AQ138	711982,733496	31.3	15.5	10.9	1
AQ139	712119,733722	24.8	14.6	10.4	<1
AQ140	711974,733459	24.8	14.7	10.4	<1
AQ141	712093,733714	25.1	14.7	10.4	<1
AQ142	708937,733820	23.0	14.5	10.3	<1
AQ143	708864,733769	23.3	14.6	10.3	<1
AQ144	711862,733699	24.0	14.7	10.4	<1
AQ145	708888,733817	23.7	14.6	10.4	<1
AQ146	711239,733765	24.1	14.6	10.4	<1
AQ147	709155,733737	24.0	14.5	10.3	<1
AQ148	709135,733737	23.7	14.5	10.3	<1
AQ149	709198,733781	26.3	14.8	10.5	<1
AQ150	711911,733708	24.3	14.7	10.4	<1
AQ151	709917,733913	24.6	14.7	10.4	<1
AQ152	711931,733452	26.5	14.9	10.5	<1
AQ153	712591,733613	25.3	14.8	10.5	<1
AQ154	712687,733623	30.9	15.3	10.8	<1
AQ155	712719,733614	32.1	15.4	10.9	<1
AQ156	711864,733435	25.8	14.7	10.5	<1
AQ157	708555,733856	25.3	14.9	10.5	<1
AQ158	709647,733731	22.9	14.5	10.3	<1
AQ159	712342,733615	24.6	14.7	10.4	<1
AQ160	712390,733618	24.8	14.8	10.5	<1
AQ161	707646,734187	30.6	15.7	11.0	1
AQ162	708902,733764	22.6	14.5	10.3	<1
AQ163	709847,733696	23.3	14.5	10.3	<1
AQ164	711951,733717	24.8	14.7	10.4	<1
AQ165	709906,733698	23.5	14.5	10.3	<1
AQ166	712683,733590	29.0	15.0	10.6	<1
AQ167	711952,733684	25.1	14.7	10.4	<1
AQ168	711976,733720	24.6	14.7	10.4	<1
AQ169	712433,733615	24.8	14.8	10.5	<1
AQ170	710092,733728	23.7	14.5	10.3	<1
AQ171	712785,733619	30.9	15.3	10.8	<1
AQ172	710071,733726	24.0	14.6	10.3	<1
AQ173	711996,733722	24.7	14.7	10.4	<1
AQ174	711980,733694	25.2	14.8	10.5	<1
AQ175	710111,733731	23.5	14.5	10.3	<1
AQ176	709410,733717	23.8	14.6	10.3	<1
AQ177	707699,734140	29.4	15.4	10.9	<1
AQ178	710311,733696	22.8	14.5	10.3	<1
AQ179	709404,733760	24.2	14.6	10.4	<1
AQ180	709361,733722	23.6	14.5	10.3	<1
AQ181	709638,733690	22.7	14.4	10.3	<1
AQ182	708973,733756	22.5	14.4	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}	
AQ183	713812,733941	27.3	14.9	10.6	<1
AQ184	709024,733750	22.6	14.4	10.3	<1
AQ185	709286,733776	23.9	14.6	10.3	<1
AQ186	709213,733728	23.5	14.5	10.3	<1
AQ187	709235,733780	24.5	14.6	10.4	<1
AQ188	712586,733581	24.7	14.7	10.4	<1
AQ189	713566,733816	25.0	14.7	10.4	<1
AQ190	713587,733826	25.4	14.8	10.5	<1
AQ191	713678,733840	25.3	14.7	10.4	<1
AQ192	710026,733721	24.8	14.6	10.4	<1
AQ193	712302,733603	25.0	14.8	10.5	<1
AQ194	713637,733850	28.1	15.1	10.7	<1
AQ195	712189,733568	26.9	15.1	10.6	<1
AQ196	708941,733760	22.5	14.4	10.3	<1
AQ197	712316,733576	24.7	14.8	10.4	<1
AQ198	712211,733550	24.7	14.7	10.4	<1
AQ199	707666,734162	31.9	15.8	11.0	1
AQ200	712214,733576	26.0	14.9	10.6	<1
AQ201	709582,733738	23.6	14.5	10.3	<1
AQ202	708779,733829	23.3	14.6	10.3	<1
AQ203	715039,733934	30.6	15.1	10.7	<1
AQ204	714979,733953	29.0	15.0	10.6	<1
AQ205	709610,733735	23.1	14.5	10.3	<1
AQ206	713816,733944	27.0	14.9	10.5	<1
AQ207	713788,733916	26.0	14.8	10.5	<1
AQ208	711823,733441	28.4	15.1	10.6	<1
AQ209	707582,734168	30.5	15.8	11.0	1
AQ210	712134,733556	27.7	15.2	10.7	<1
AQ211	711809,733427	28.2	15.1	10.6	<1
AQ212	708838,733823	23.5	14.6	10.4	<1
AQ213	707523,734192	34.4	16.5	11.5	1
AQ214	712475,733609	24.3	14.7	10.4	<1
AQ215	712494,733575	23.7	14.6	10.3	<1
AQ216	712270,733559	24.7	14.7	10.4	<1
AQ217	712257,733580	25.6	14.9	10.5	<1
AQ218	711291,733715	23.4	14.5	10.3	<1
AQ219	711277,733761	24.5	14.7	10.4	<1
AQ220	711835,733497	29.4	15.1	10.7	<1
AQ221	711823,733512	27.4	14.9	10.5	<1
AQ222	712760,733614	33.4	15.5	10.9	1
AQ223	712033,733517	27.6	15.0	10.6	<1
AQ224	712771,733601	29.5	15.1	10.7	<1
AQ225	711817,733556	23.3	14.5	10.3	<1
AQ226	711859,733546	25.7	14.7	10.4	<1
AQ227	711840,733459	29.7	15.2	10.7	<1
AQ228	712065,733531	27.3	15.0	10.6	<1
AQ229	712541,733578	24.2	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}	
AQ230	712507,733575	23.8	14.6	10.4	<1
AQ231	711250,733724	23.1	14.5	10.3	<1
AQ232	712504,733609	24.9	14.8	10.5	<1
AQ233	711926,733646	23.5	14.6	10.3	<1
AQ234	713378,733703	23.7	14.6	10.3	<1
AQ235	709837,733756	23.3	14.5	10.3	<1
AQ236	711913,733645	24.1	14.7	10.4	<1
AQ237	709914,733801	23.4	14.5	10.3	<1
AQ238	711945,733661	23.6	14.6	10.3	<1
AQ239	707570,734181	31.8	16.0	11.2	1
AQ240	713478,733766	24.9	14.7	10.4	<1
AQ241	711075,733777	22.7	14.5	10.3	<1
AQ242	711088,733773	22.8	14.5	10.3	<1
AQ243	713535,733801	25.5	14.8	10.5	<1
AQ244	713531,733776	24.5	14.7	10.4	<1
AQ245	715046,734244	31.9	15.6	10.9	1
AQ246	714718,734259	31.3	15.8	11.0	1
AQ247	714275,734283	33.7	15.9	11.2	1
AQ248	714209,734360	33.5	16.2	11.3	1
AQ249	714481,734130	24.2	14.6	10.4	<1
AQ250	713501,733755	24.5	14.7	10.4	<1
AQ251	714516,734350	31.6	15.4	10.8	<1
AQ252	714921,734144	31.0	15.7	11.0	1
AQ253	714818,734059	29.7	15.2	10.8	<1
AQ254	714147,733560	30.2	15.3	10.8	<1
AQ255	713040,733405	26.6	15.0	10.6	<1
AQ256	713568,733329	26.3	14.8	10.5	<1
AQ257	712089,732998	26.5	15.1	10.7	<1
AQ258	711372,732946	28.0	15.1	10.7	<1
AQ259	711182,732473	27.8	15.2	10.7	<1
AQ260	709641,733199	25.4	14.8	10.5	<1
AQ261	711629,733659	22.2	14.4	10.2	<1
AQ262	710000,733260	24.9	14.7	10.4	<1
AQ263	709978,733395	23.6	14.5	10.3	<1
AQ264	709599,733343	23.8	14.6	10.3	<1
AQ265	713598,733033	28.4	15.3	10.8	<1
AQ266	713792,733061	27.7	15.0	10.6	<1
AQ267	714785,733443	23.4	14.6	10.3	<1
AQ268	714920,732996	27.9	15.1	10.7	<1
AQ269	714772,732929	22.9	14.4	10.2	<1
AQ270	715252,733833	30.4	15.4	10.9	<1
AQ271	715230,733997	29.4	15.3	10.8	<1
AQ272	714074,733971	29.3	15.3	10.8	<1
AQ273	714544,733749	30.5	15.3	10.8	<1
AQ274	714656,733727	23.7	14.5	10.3	<1
AQ275	714761,733644	27.7	15.0	10.6	<1
AQ276	715382,733517	25.4	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}	$\text{PM}_{2.5}$	
AQ277	714446,733391	25.1	14.8	10.5	<1
AQ278	714515,733573	26.6	14.9	10.6	<1
AQ279	714365,732628	31.3	15.5	10.9	1
AQ280	714778,732792	23.6	14.5	10.3	<1
AQ281	712643,734098	28.6	15.2	10.7	<1
AQ282	712519,734405	23.7	14.6	10.3	<1
AQ283	713925,733954	28.1	15.0	10.6	<1
AQ284	713205,734451	28.0	15.2	10.7	<1
AQ285	714215,734089	28.3	15.0	10.6	<1
AQ286	708131,734901	25.3	14.9	10.5	<1
AQ287	707872,735236	28.2	15.6	10.9	1
AQ288	709417,734827	25.7	15.0	10.6	<1
AQ289	708303,733290	23.8	14.6	10.4	<1
AQ290	714965,733548	25.7	14.7	10.4	<1
AQ291	713686,733869	26.5	14.9	10.5	<1
AQ292	710732,733813	23.1	14.6	10.3	<1
AQ293	708542,733819	24.2	14.7	10.4	<1
AQ294	710765,733825	23.0	14.6	10.3	<1
AQ295	714548,733909	27.4	14.9	10.5	<1
AQ296	710838,733835	22.8	14.5	10.3	<1
AQ297	714491,733900	25.5	14.7	10.4	<1
AQ298	713451,733726	23.6	14.5	10.3	<1
AQ299	714418,733927	27.5	15.0	10.6	<1
AQ300	714571,733902	27.8	14.9	10.6	<1
AQ301	713446,733732	24.3	14.7	10.4	<1
AQ302	712626,733585	25.9	14.8	10.5	<1
AQ303	713395,733741	24.2	14.6	10.4	<1
AQ304	713298,733712	26.2	15.0	10.6	<1
AQ305	710703,733836	23.4	14.6	10.4	<1
AQ306	710710,733802	23.0	14.6	10.3	<1
AQ307	713296,733696	25.6	14.9	10.5	<1
AQ308	713339,733723	24.4	14.7	10.4	<1
AQ309	713022,733620	26.7	15.0	10.6	<1
AQ310	713054,733630	25.9	14.9	10.5	<1
AQ311	713054,733646	26.5	15.0	10.6	<1
AQ312	713080,733635	25.3	14.8	10.5	<1
AQ313	712615,733583	25.3	14.7	10.4	<1
AQ314	713087,733654	25.0	14.8	10.5	<1
AQ315	713113,733645	25.3	14.8	10.5	<1
AQ316	709586,733698	23.1	14.5	10.3	<1
AQ317	714815,733986	26.9	14.9	10.5	<1
AQ318	710966,733862	23.1	14.6	10.3	<1
AQ319	711023,733796	22.6	14.5	10.3	<1
AQ320	711315,733761	24.5	14.7	10.4	<1
AQ321	709485,733700	24.5	14.6	10.4	<1
AQ322	713150,733647	23.9	14.6	10.4	<1
AQ323	715003,733946	29.4	15.0	10.6	<1

DS (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}	
AQ324	713859,733909	26.3	14.8	10.5	<1
AQ325	711746,733688	23.2	14.6	10.3	<1
AQ326	709537,733703	24.3	14.5	10.3	<1
AQ327	713147,733671	26.5	15.0	10.6	<1
AQ328	711509,733706	22.5	14.4	10.2	<1
AQ329	709773,733686	23.4	14.5	10.3	<1
AQ330	709806,733689	23.0	14.5	10.3	<1
AQ331	712906,733635	27.2	14.9	10.5	<1
AQ332	714348,733933	25.8	14.8	10.5	<1
AQ333	712994,733627	27.9	15.2	10.7	<1
AQ334	714971,733958	28.4	14.9	10.6	<1
AQ335	714864,733937	25.9	14.7	10.4	<1
AQ336	714222,733972	28.3	15.0	10.6	<1
AQ337	713874,733948	28.1	15.0	10.6	<1
AQ338	714939,733962	28.3	15.0	10.6	<1
AQ339	714287,733924	26.6	14.9	10.5	<1
AQ340	714742,733894	25.4	14.7	10.4	<1
AQ341	713201,733685	27.0	15.1	10.6	<1
AQ342	713253,733701	26.6	15.0	10.6	<1
AQ343	713886,733918	26.6	14.8	10.5	<1
AQ344	714764,733928	27.4	14.9	10.6	<1
AQ345	711195,733739	23.0	14.5	10.3	<1
AQ346	713922,733930	27.2	14.9	10.6	<1
AQ347	713908,733951	28.4	15.0	10.6	<1
AQ348	713269,733691	26.0	14.9	10.5	<1
AQ349	713281,733708	26.5	15.0	10.6	<1
AQ350	714789,733911	26.7	14.8	10.5	<1
AQ351	710637,733747	22.8	14.5	10.3	<1
AQ352	713127,733665	26.7	15.0	10.6	<1
AQ353	710658,733768	23.0	14.6	10.3	<1
AQ354	710689,733790	23.1	14.6	10.3	<1
AQ355	712683,733566	27.3	14.9	10.5	<1
AQ356	714464,733937	29.6	15.1	10.7	<1
AQ357	712840,733598	25.7	14.7	10.4	<1
AQ358	712880,733600	25.2	14.7	10.4	<1
AQ359	712822,733607	29.1	15.1	10.6	<1
AQ360	714371,733953	28.9	15.3	10.8	<1
AQ361	710780,733862	23.4	14.6	10.4	<1
AQ362	709804,734058	24.4	14.7	10.4	<1
AQ363	713136,733515	23.7	14.5	10.3	<1
AQ364	710611,733767	23.2	14.6	10.3	<1
AQ365	711120,733761	22.8	14.5	10.3	<1
AQ366	712659,733852	28.1	15.2	10.7	<1
AQ367	712701,733687	33.7	15.7	11.0	1
AQ368	715051,734102	29.8	15.2	10.7	<1
AQ369	715011,734063	27.5	14.9	10.5	<1
AQ370	708729,734939	31.3	15.5	10.9	<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}	$\text{PM}_{2.5}$	
AQ371	708008,735269	33.0	16.6	11.5	1
AQ372	709192,734853	25.7	15.1	10.6	<1
AQ373	709176,734927	32.7	16.3	11.4	1
AQ375	707514,734335	37.7	17.3	11.9	1
AQ376	707563,734784	36.0	17.3	11.9	1
AQ377	707475,733479	35.4	16.7	11.6	1
AQ378	707243,733645	24.8	14.9	10.5	<1
AQ379	712659,733894	33.0	15.7	11.0	1
AQ380	711566,733165	29.3	15.5	10.9	1
AQ381	711805,733476	28.4	15.0	10.6	<1
AQ382	711821,733467	34.7	15.8	11.1	1
AQ383	711756,733405	26.3	14.8	10.5	<1
AQ384	711662,733263	26.5	15.1	10.6	<1
AQ385	711899,733772	24.0	14.6	10.4	<1
AQ386	712333,733831	24.7	14.8	10.4	<1
AQ387	712474,733852	24.8	14.8	10.5	<1
AQ388	707490,734201	43.1	18.2	12.4	2
AQ389	710148,734098	27.1	15.4	10.8	<1
AQ390	710088,734162	28.0	15.6	10.9	1
AQ391	710046,734107	24.0	14.8	10.4	<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; one exceedance was modelled at receptors on the R833 Coldcut Road. This is no change from 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 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 two exceedances 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	715100,733745	-2.0	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ2	714612,733821	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ3	713750,734132	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ4	713798,733946	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ5	713683,733743	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ6	712903,733601	-0.4	-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}	$\text{PM}_{2.5}$
AQ7	714414,733825	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ8	714262,733962	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ9	714381,733750	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ10	707117,734249	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ11	707338,734219	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ12	714938,734061	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ13	708133,733818	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ14	708373,733645	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ15	707875,733900	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ16	708045,733915	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ17	708227,733874	1.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ18	708379,733777	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ19	710408,733717	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ20	710232,733776	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ21	713379,733908	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ22	713230,733800	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ23	714940,734127	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ24	711591,733628	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ25	711566,733633	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ26	712118,733515	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ27	711855,733611	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ28	711875,733641	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ29	706754,734593	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ30	708786,733797	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ31	708830,733741	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ32	709606,733982	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ33	709596,734032	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ34	714767,733975	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ35	709519,733968	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ36	709099,733595	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ37	709411,733574	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ38	710114,733757	-2.9	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ39	709964,733821	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ40	710173,733812	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ41	710149,733902	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ42	709773,734036	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ43	709835,733958	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ44	709906,733765	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ45	714875,734097	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ46	709837,733806	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ48	712692,733765	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ49	712386,733811	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ50	715060,734068	-1.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ51	715095,733953	-2.0	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ52	714960,733960	-5.2	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ53	714825,734003	-8.6	-1.4	-0.9	<1	Moderate Beneficial	Negligible	Negligible
AQ54	714943,734088	-0.7	-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}	$\text{PM}_{2.5}$
AQ55	713763,733995	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ56	714444,733910	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ57	713706,733940	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ58	714025,733935	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ59	713982,733920	0.9	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ60	714696,733904	-2.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ61	707493,734097	0.5	<0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ62	707594,733968	-2.8	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ63	715137,733764	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ64	714496,733842	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ65	714458,733793	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ66	714712,734012	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ67	714400,733916	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ68	715010,733842	0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ69	711171,733893	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ70	710984,733877	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ71	709482,733900	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ72	709225,733946	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ73	710964,733854	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ74	712159,733584	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ75	711986,733531	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ76	711013,733906	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ77	710856,733882	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ78	714384,733931	-1.3	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ79	712061,733563	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ80	712783,733468	1.8	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ81	711228,733943	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ82	709321,733628	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ83	708427,733828	0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ84	708441,733774	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ85	714873,734057	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ86	713641,733402	1.2	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ87	713275,733334	1.1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ88	708038,734362	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ89	714981,733737	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ90	713769,733877	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ91	707684,734095	-2.6	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ92	710572,733737	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ93	710166,733734	-2.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ94	710136,733733	-2.7	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ95	710212,733729	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ96	712968,733603	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ97	707625,734136	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ98	713059,733550	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ99	714599,733879	-2.1	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ100	713004,733616	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ101	714576,733884	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ102	709930,733679	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ103	707921,733965	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ104	707869,734014	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ105	709990,733684	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ106	710006,733711	-3.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ107	707708,734073	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ108	710251,733720	-2.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ109	711791,733691	-2.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ110	710284,733708	-2.0	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ111	709717,733725	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ112	711315,733720	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ113	709762,733727	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ114	709678,733728	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ115	709807,733731	-1.9	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ116	709289,733731	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ117	709473,733678	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ118	714694,733879	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ119	708632,733846	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ120	713098,733541	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ121	708671,733842	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ122	713126,733502	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ123	709703,733686	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ124	707727,734053	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ125	711233,733732	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ126	709743,733686	-1.7	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ127	712875,733627	-1.4	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ128	714639,733879	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ129	711152,733751	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ130	709494,733745	-0.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ131	712025,733728	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ132	712149,733728	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ133	710349,733674	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ134	712009,733700	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ135	711903,733438	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ136	709337,733770	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ137	712039,733706	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ138	711982,733496	0.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ139	712119,733722	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ140	711974,733459	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ141	712093,733714	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ142	708937,733820	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ143	708864,733769	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ144	711862,733699	-2.7	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ145	708888,733817	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ146	711239,733765	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ147	709155,733737	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ148	709135,733737	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible

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		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ149	709198,733781	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ150	711911,733708	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ151	709917,733913	-0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ152	711931,733452	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ153	712591,733613	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ154	712687,733623	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ155	712719,733614	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ156	711864,733435	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ157	708555,733856	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ158	709647,733731	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ159	712342,733615	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ160	712390,733618	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ161	707646,734187	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ162	708902,733764	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ163	709847,733696	-2.8	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ164	711951,733717	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ165	709906,733698	-3.1	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ166	712683,733590	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ167	711952,733684	-3.4	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ168	711976,733720	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ169	712433,733615	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ170	710092,733728	-3.4	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ171	712785,733619	-0.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ172	710071,733726	-4.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ173	711996,733722	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ174	711980,733694	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ175	710111,733731	-3.0	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ176	709410,733717	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ177	707699,734140	-2.6	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ178	710311,733696	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ179	709404,733760	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ180	709361,733722	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ181	709638,733690	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ182	708973,733756	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ183	713812,733941	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ184	709024,733750	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ185	709286,733776	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ186	709213,733728	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ187	709235,733780	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ188	712586,733581	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ189	713566,733816	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ190	713587,733826	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ191	713678,733840	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ192	710026,733721	-4.7	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ193	712302,733603	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ194	713637,733850	-3.6	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ195	712189,733568	-1.5	-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 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}	$\text{PM}_{2.5}$
AQ196	708941,733760	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ197	712316,733576	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ198	712211,733550	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ199	707666,734162	-3.4	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ200	712214,733576	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ201	709582,733738	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ202	708779,733829	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ203	715039,733934	-4.1	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ204	714979,733953	-3.9	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ205	709610,733735	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ206	713816,733944	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ207	713788,733916	-2.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ208	711823,733441	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ209	707582,734168	-0.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ210	712134,733556	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ211	711809,733427	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ212	708838,733823	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ213	707523,734192	0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ214	712475,733609	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ215	712494,733575	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ216	712270,733559	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ217	712257,733580	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ218	711291,733715	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ219	711277,733761	-2.6	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ220	711835,733497	-5.3	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ221	711823,733512	-4.2	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ222	712760,733614	-1.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ223	712033,733517	0.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ224	712771,733601	-0.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ225	711817,733556	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ226	711859,733546	-3.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ227	711840,733459	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ228	712065,733531	0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ229	712541,733578	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ230	712507,733575	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ231	711250,733724	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ232	712504,733609	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ233	711926,733646	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ234	713378,733703	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ235	709837,733756	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ236	711913,733645	-3.7	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ237	709914,733801	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ238	711945,733661	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ239	707570,734181	-0.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ240	713478,733766	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ241	711075,733777	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ242	711088,733773	-1.7	-0.3	-0.2	<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}	$\text{PM}_{2.5}$
AQ243	713535,733801	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ244	713531,733776	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ245	715046,734244	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ246	714718,734259	0.4	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ247	714275,734283	1.5	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ248	714209,734360	1.8	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ249	714481,734130	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ250	713501,733755	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ251	714516,734350	-3.1	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ252	714921,734144	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ253	714818,734059	-2.2	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ254	714147,733560	3.2	0.4	0.2	<1	Slight Adverse	Negligible	Negligible
AQ255	713040,733405	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ256	713568,733329	2.6	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ257	712089,732998	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ258	711372,732946	-2.0	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ259	711182,732473	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ260	709641,733199	1.0	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ261	711629,733659	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ262	710000,733260	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ263	709978,733395	-0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ264	709599,733343	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ265	713598,733033	1.1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ266	713792,733061	1.4	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ267	714785,733443	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ268	714920,732996	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ269	714772,732929	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ270	715252,733833	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ271	715230,733997	-0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ272	714074,733971	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ273	714544,733749	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ274	714656,733727	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ275	714761,733644	3.0	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ276	715382,733517	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ277	714446,733391	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ278	714515,733573	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ279	714365,732628	1.7	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ280	714778,732792	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ281	712643,734098	0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ282	712519,734405	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ283	713925,733954	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ284	713205,734451	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ285	714215,734089	2.7	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ286	708131,734901	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ287	707872,735236	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ288	709417,734827	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ289	708303,733290	0.7	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}	$\text{PM}_{2.5}$
AQ290	714965,733548	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ291	713686,733869	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ292	710732,733813	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ293	708542,733819	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ294	710765,733825	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ295	714548,733909	-2.4	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ296	710838,733835	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ297	714491,733900	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ298	713451,733726	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ299	714418,733927	-1.4	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ300	714571,733902	-2.6	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ301	713446,733732	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ302	712626,733585	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ303	713395,733741	-1.6	-0.3	-0.1	<1	Negligible	Negligible	Negligible
AQ304	713298,733712	-3.2	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ305	710703,733836	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ306	710710,733802	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ307	713296,733696	-2.6	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ308	713339,733723	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ309	713022,733620	-3.8	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ310	713054,733630	-2.8	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ311	713054,733646	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ312	713080,733635	-2.4	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ313	712615,733583	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ314	713087,733654	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ315	713113,733645	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ316	709586,733698	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ317	714815,733986	-3.3	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ318	710966,733862	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ319	711023,733796	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ320	711315,733761	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ321	709485,733700	-0.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ322	713150,733647	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ323	715003,733946	-3.9	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ324	713859,733909	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ325	711746,733688	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ326	709537,733703	-0.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ327	713147,733671	-3.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ328	711509,733706	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ329	709773,733686	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ330	709806,733689	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ331	712906,733635	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ332	714348,733933	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ333	712994,733627	-3.6	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ334	714971,733958	-3.7	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ335	714864,733937	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ336	714222,733972	-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}	$\text{PM}_{2.5}$
AQ337	713874,733948	0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ338	714939,733962	-4.7	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ339	714287,733924	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ340	714742,733894	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ341	713201,733685	-4.1	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ342	713253,733701	-3.5	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ343	713886,733918	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ344	714764,733928	-3.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ345	711195,733739	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ346	713922,733930	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ347	713908,733951	<0.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ348	713269,733691	-2.9	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ349	713281,733708	-3.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ350	714789,733911	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ351	710637,733747	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ352	713127,733665	-3.3	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ353	710658,733768	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ354	710689,733790	-2.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ355	712683,733566	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ356	714464,733937	-2.2	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ357	712840,733598	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ358	712880,733600	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ359	712822,733607	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ360	714371,733953	-3.0	-0.6	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ361	710780,733862	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ362	709804,734058	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ363	713136,733515	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ364	710611,733767	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ365	711120,733761	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ366	712659,733852	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ367	712701,733687	2.5	0.2	0.1	<1	Slight Adverse	Negligible	Negligible
AQ368	715051,734102	-1.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ369	715011,734063	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ370	708729,734939	2.8	0.2	0.1	<1	Slight Adverse	Negligible	Negligible
AQ371	708008,735269	1.5	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ372	709192,734853	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ373	709176,734927	1.9	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ375	707514,734335	1.2	0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ376	707563,734784	5.0	1.1	0.6	<1	Moderate Adverse	Negligible	Negligible
AQ377	707475,733479	-1.2	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ378	707243,733645	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ379	712659,733894	0.6	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ380	711566,733165	-3.7	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ381	711805,733476	-3.7	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ382	711821,733467	-4.7	-0.7	-0.4	<1	Moderate Beneficial	Negligible	Negligible
AQ383	711756,733405	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ384	711662,733263	-2.4	-0.3	-0.2	<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}	$\text{PM}_{2.5}$
AQ385	711899,733772	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ386	712333,733831	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ387	712474,733852	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ388	707490,734201	1.2	<0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ389	710148,734098	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ390	710088,734162	1.0	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ391	710046,734107	0.3	<0.1	<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 NO_2 concentration. A slightly beneficial impact is estimated at 32 receptors and a moderate beneficial impact at two receptors due to the diversion of traffic off the Proposed Scheme routes. A slight adverse impact is expected at six receptors and a moderate adverse impact at one receptor on the M50 southbound of Junction 7. This localised moderate adverse impact is considered negative, significant and short-term as NO_2 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 PM_{10} and $\text{PM}_{2.5}$ concentrations, with all receptors experiencing a negligible impact.



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National Transport Authority

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