

The background is a vibrant yellow. It is decorated with several abstract geometric shapes in shades of blue and teal. These include circles, semi-circles, and rounded rectangles, some of which are partially cut off by the edges of the page. The shapes are arranged in a way that creates a sense of movement and depth. The text is positioned in the upper left quadrant of the page.

**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 NO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> and the number of exceedances of the 24-hour PM<sub>10</sub> 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 <sup>3</sup> )			No of PM <sub>10</sub> days > 50 µg/m <sup>33</sup>
		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	
AQ1	714694,732079	28.7	15.1	10.7	<1
AQ2	714622,731901	25.0	14.7	10.5	<1
AQ3	714695,731230	27.5	15.0	10.6	<1
AQ4	714701,732093	30.0	15.3	10.8	<1
AQ5	714696,731196	27.4	15.0	10.6	<1
AQ6	714686,732061	27.4	15.0	10.6	<1
AQ7	714674,732024	28.3	15.2	10.7	<1
AQ8	714708,732110	30.3	15.3	10.8	<1
AQ9	714636,731935	25.7	14.8	10.5	<1
AQ10	714290,731501	23.6	14.5	10.3	<1
AQ11	714448,730655	23.9	14.7	10.4	<1
AQ12	713607,731542	23.8	14.5	10.3	<1
AQ13	714655,731245	28.8	15.1	10.7	<1
AQ14	714429,730691	23.8	14.6	10.4	<1
AQ15	715025,733278	25.9	14.9	10.6	<1
AQ16	715050,733269	28.7	15.3	10.8	<1
AQ17	714655,731996	25.3	14.8	10.5	<1
AQ18	714470,731645	25.2	14.9	10.5	<1
AQ19	714667,732007	25.7	14.8	10.5	<1
AQ20	713416,730719	23.0	14.5	10.3	<1
AQ21	714654,731516	27.3	15.0	10.6	<1
AQ22	714447,731631	25.5	14.9	10.6	<1
AQ23	713473,730896	22.1	14.3	10.2	<1
AQ24	714384,731563	25.9	14.9	10.5	<1
AQ25	714547,730932	28.3	15.3	10.8	<1
AQ26	714704,731911	27.0	15.1	10.7	<1
AQ27	714419,730308	28.7	15.2	10.7	<1

AQ28	714402,731576	26.2	14.9	10.6	<1
AQ29	713895,731251	29.6	15.3	10.8	<1
AQ30	714645,731121	27.3	15.0	10.7	<1
AQ31	713870,731222	28.9	15.3	10.8	<1
AQ32	714892,732707	33.4	15.8	11.2	1
AQ33	713597,730798	25.9	14.9	10.6	<1
AQ34	714356,731539	25.2	14.8	10.5	<1
AQ35	714658,731410	24.4	14.7	10.4	<1
AQ36	714851,732357	30.9	15.4	10.9	<1
AQ37	713630,730905	26.8	15.1	10.7	<1
AQ38	713799,731384	26.5	14.9	10.6	<1
AQ39	714657,731426	28.1	15.2	10.8	<1
AQ40	714863,732387	32.4	15.6	11.0	1
AQ41	714990,733066	29.5	15.5	10.9	<1
AQ42	714505,730851	27.5	15.2	10.7	<1
AQ43	714617,731609	24.7	14.7	10.4	<1
AQ44	714725,732068	27.9	15.1	10.7	<1
AQ45	714828,732359	29.5	15.3	10.8	<1
AQ46	713536,730717	26.6	15.0	10.6	<1
AQ47	714870,732659	29.0	15.3	10.8	<1
AQ48	714812,732326	31.6	15.5	11.0	1
AQ49	714640,731615	27.1	15.0	10.6	<1
AQ50	715062,733334	28.6	15.3	10.8	<1
AQ51	715029,733201	32.7	15.7	11.1	1
AQ52	714647,731221	30.3	15.3	10.8	<1
AQ53	714875,732403	32.5	15.7	11.0	1
AQ54	714441,730524	24.5	14.7	10.4	<1
AQ55	714671,731166	28.4	15.2	10.7	<1
AQ56	714884,732459	33.2	15.6	11.0	1
AQ57	713506,731503	23.1	14.4	10.2	<1
AQ58	713973,731312	31.2	15.4	10.9	<1
AQ59	715059,733306	28.5	15.3	10.8	<1
AQ60	714896,732869	37.6	16.3	11.5	1
AQ61	714031,731302	26.6	14.9	10.5	<1
AQ62	713385,731413	23.4	14.4	10.3	<1
AQ63	714901,732625	30.0	15.5	10.9	<1
AQ64	714900,732964	26.7	15.0	10.6	<1
AQ65	713399,731387	22.9	14.4	10.2	<1
AQ66	714646,731575	28.1	15.1	10.7	<1
AQ67	714861,732518	28.7	15.2	10.7	<1
AQ68	714563,731741	26.1	14.9	10.6	<1
AQ69	714692,731828	27.2	15.1	10.7	<1

AQ70	714904,732904	30.9	15.4	10.9	<1
AQ71	713665,730965	25.5	14.9	10.5	<1
AQ72	713993,731295	27.6	15.0	10.6	<1
AQ73	713784,731078	26.5	15.0	10.6	<1
AQ74	714582,731767	28.1	15.1	10.7	<1
AQ75	714509,731678	25.3	14.9	10.5	<1
AQ76	714457,730817	24.1	14.7	10.4	<1
AQ77	714578,731776	25.6	14.8	10.5	<1
AQ78	714889,732948	25.9	14.8	10.5	<1
AQ79	714736,732112	30.9	15.4	10.9	<1
AQ80	714676,731743	26.8	15.0	10.6	<1
AQ81	714195,731370	26.7	14.9	10.5	<1
AQ82	713773,731059	26.1	14.9	10.6	<1
AQ83	714677,731754	25.7	14.9	10.5	<1
AQ84	714479,730613	26.0	15.0	10.6	<1
AQ85	714454,730426	26.3	14.9	10.6	<1
AQ86	714741,732128	31.1	15.4	10.9	<1
AQ87	715010,733245	26.3	14.9	10.6	<1
AQ88	714690,731390	26.0	14.9	10.6	<1
AQ89	713775,731409	26.6	14.9	10.6	<1
AQ90	713657,730891	26.0	14.9	10.6	<1
AQ91	714874,732681	32.2	15.7	11.1	1
AQ92	714864,732572	27.6	15.1	10.7	<1
AQ93	714702,731955	27.4	15.1	10.7	<1
AQ94	713279,731328	22.3	14.3	10.2	<1
AQ95	715038,733228	31.3	15.5	11.0	1
AQ96	714656,731384	23.8	14.6	10.4	<1
AQ97	714435,730725	23.7	14.6	10.4	<1
AQ98	714868,732748	33.8	15.8	11.2	1
AQ99	714735,732093	28.5	15.1	10.7	<1
AQ100	714323,731488	25.0	14.8	10.5	<1
AQ101	713610,731580	24.9	14.7	10.4	<1
AQ102	713435,730562	26.5	15.0	10.6	<1
AQ103	714139,731328	25.8	14.8	10.5	<1
AQ104	713462,730663	28.0	15.1	10.7	<1
AQ105	713465,730617	29.9	15.5	10.9	1
AQ106	714450,730590	25.1	14.8	10.5	<1
AQ107	714719,732045	27.7	15.1	10.7	<1
AQ108	713483,730642	29.7	15.4	10.9	<1
AQ109	714035,731334	27.4	14.9	10.6	<1
AQ110	713707,731028	25.2	14.8	10.5	<1
AQ111	714478,730863	24.0	14.6	10.4	<1

AQ112	714737,732185	26.7	14.9	10.6	<1
AQ113	714115,731313	24.9	14.7	10.4	<1
AQ114	714974,733097	27.7	15.1	10.7	<1
AQ115	713812,731135	28.3	15.2	10.7	<1
AQ116	714691,731277	27.8	15.0	10.6	<1
AQ117	713429,730688	25.0	14.7	10.4	<1
AQ118	713466,730838	22.4	14.4	10.2	<1
AQ119	713539,731528	23.1	14.4	10.3	<1
AQ120	715066,733379	26.8	15.0	10.6	<1
AQ121	714935,732968	28.0	15.2	10.7	<1
AQ122	714060,731306	26.1	14.8	10.5	<1
AQ123	714421,730403	25.5	14.8	10.5	<1
AQ124	714968,733084	30.2	15.5	10.9	1
AQ125	714948,733049	27.0	15.0	10.6	<1
AQ126	715065,733362	28.1	15.3	10.8	<1
AQ127	714894,732736	33.7	15.8	11.1	1
AQ128	714613,731056	28.1	15.2	10.7	<1
AQ129	714894,732690	31.3	15.6	11.0	1
AQ130	714631,731510	27.8	15.1	10.7	<1
AQ131	715024,733168	30.1	15.4	10.9	<1
AQ132	714622,731529	24.4	14.6	10.4	<1
AQ133	713515,730727	29.3	15.3	10.8	<1
AQ134	713623,730839	26.0	14.9	10.6	<1
AQ135	714872,732703	33.7	15.9	11.2	1
AQ136	713859,731292	28.3	15.1	10.7	<1
AQ137	714904,732606	28.9	15.3	10.8	<1
AQ138	713527,730748	28.5	15.2	10.7	<1
AQ139	714381,730243	30.1	15.3	10.7	<1
AQ140	715000,733200	27.9	15.1	10.7	<1
AQ141	713549,731500	23.1	14.4	10.3	<1
AQ142	714702,731895	26.9	15.0	10.6	<1
AQ143	714892,732564	29.9	15.5	10.9	1
AQ144	714997,733092	32.2	15.9	11.2	1
AQ145	714628,731668	25.2	14.7	10.5	<1
AQ146	714457,730458	27.2	15.0	10.6	<1
AQ147	714608,731698	23.9	14.6	10.4	<1
AQ148	714433,730355	28.9	15.3	10.8	<1
AQ149	714666,731294	26.4	14.9	10.5	<1
AQ150	714887,732495	32.6	15.5	11.0	1
AQ151	714866,732799	28.2	15.1	10.7	<1
AQ152	714667,731316	25.9	14.8	10.5	<1
AQ153	713244,731266	21.7	14.2	10.2	1

AQ154	713186,731256	22.2	14.3	10.2	<1
AQ155	714758,732221	27.8	15.0	10.6	<1
AQ156	714462,730661	28.7	15.5	10.9	1
AQ157	714406,730216	33.0	15.6	10.9	1
AQ158	713572,730818	26.9	15.0	10.6	<1
AQ159	714743,732200	26.6	14.9	10.6	<1
AQ160	714980,733043	29.0	15.4	10.9	<1
AQ161	714884,732476	33.5	15.7	11.1	1
AQ162	714617,731865	27.9	15.1	10.7	<1
AQ163	714471,731614	24.3	14.7	10.4	<1
AQ164	713338,731339	21.9	14.3	10.2	1
AQ165	713425,730890	21.4	14.2	10.1	1
AQ166	714526,730892	27.8	15.3	10.8	<1
AQ167	714300,731452	25.2	14.8	10.5	<1
AQ168	713467,731441	22.9	14.4	10.2	<1
AQ169	714647,731147	27.7	15.1	10.7	<1
AQ170	714633,731178	27.8	15.1	10.7	<1
AQ171	713606,730873	26.2	15.0	10.6	<1
AQ172	714464,730541	28.1	15.3	10.8	<1
AQ173	713515,730683	26.1	14.9	10.5	<1
AQ174	713922,731301	28.4	15.1	10.7	<1
AQ175	714616,731584	25.7	14.8	10.5	<1
AQ176	714453,731606	24.7	14.8	10.5	<1
AQ177	714591,731016	26.2	14.9	10.6	<1
AQ178	713851,731192	28.7	15.2	10.8	<1
AQ179	714760,732156	31.0	15.5	11.0	1
AQ180	714488,731661	24.8	14.8	10.5	<1
AQ181	714866,732787	31.7	15.6	11.0	1
AQ182	714662,731688	27.6	15.1	10.7	<1
AQ183	713431,731445	23.3	14.4	10.3	<1
AQ184	714867,732767	32.4	15.6	11.0	1
AQ185	714546,731682	24.9	14.8	10.5	<1
AQ186	714651,731648	28.1	15.1	10.7	<1
AQ187	714169,731349	25.9	14.8	10.5	<1
AQ188	714457,730738	25.3	14.9	10.5	<1
AQ189	714471,730774	26.7	15.1	10.7	<1
AQ190	714669,731341	25.5	14.8	10.5	<1
AQ191	714786,732212	32.1	15.6	11.0	1
AQ192	714892,732549	30.0	15.5	10.9	<1
AQ193	713923,731263	31.7	15.5	10.9	1
AQ194	715012,733120	31.1	15.6	11.0	1
AQ195	714798,732226	30.0	15.3	10.8	<1

AQ196	713184,731216	21.8	14.3	10.2	1
AQ197	714505,731633	23.9	14.6	10.4	<1
AQ198	713856,731252	26.3	14.9	10.5	<1
AQ199	714566,730968	28.2	15.3	10.8	<1
AQ200	714432,730761	23.2	14.5	10.3	<1
AQ201	714402,730316	30.1	15.4	10.8	<1
AQ202	714665,731366	24.6	14.7	10.4	<1
AQ203	713755,731433	26.4	14.9	10.6	<1
AQ204	714235,731399	26.2	14.8	10.5	<1
AQ205	713462,730742	23.7	14.6	10.3	<1
AQ206	714700,731943	27.5	15.1	10.7	<1
AQ207	714901,732655	30.7	15.5	11.0	1
AQ208	713345,731378	22.6	14.3	10.2	<1
AQ209	713461,730794	22.8	14.4	10.3	<1
AQ210	714941,733031	27.5	15.1	10.7	<1
AQ211	715031,733358	25.3	14.8	10.5	<1
AQ212	714880,732870	29.0	15.2	10.8	<1
AQ213	714891,732836	29.4	15.3	10.8	<1
AQ214	714874,732846	28.5	15.2	10.7	<1
AQ215	714869,732824	28.2	15.1	10.7	<1
AQ216	714470,730225	24.9	14.6	10.4	<1
AQ217	714900,733228	22.7	14.4	10.3	<1
AQ218	714854,732989	23.6	14.5	10.3	<1
AQ219	714651,731485	27.0	15.0	10.6	<1
AQ220	714775,731435	22.0	14.3	10.2	<1
AQ221	714669,731433	26.2	14.9	10.6	<1
AQ222	714779,732682	27.2	15.1	10.7	<1
AQ223	715184,733083	22.9	14.4	10.3	<1
AQ224	714796,733117	21.9	14.3	10.2	1
AQ225	714904,732997	25.8	14.8	10.5	<1
AQ226	714911,733502	28.4	15.1	10.7	<1
AQ227	714171,731536	21.6	14.2	10.2	1
AQ228	713866,731501	21.8	14.3	10.2	1
AQ229	714044,731432	22.1	14.3	10.2	<1
AQ230	713698,731532	24.4	14.7	10.4	<1
AQ231	715149,733205	23.4	14.5	10.3	<1
AQ232	714983,733313	23.1	14.5	10.3	<1
AQ233	714991,733335	23.3	14.5	10.3	<1
AQ234	714401,730051	23.0	14.5	10.2	<1
AQ235	715212,733160	24.4	14.6	10.4	<1
AQ236	714470,730050	21.6	14.2	10.1	1
AQ237	714522,731140	22.1	14.3	10.2	<1



AQ238	714550,730143	21.4	14.2	10.1	1
AQ239	714784,732271	28.5	15.1	10.7	<1
AQ240	715157,733127	23.6	14.5	10.3	<1
AQ241	714829,733197	21.9	14.3	10.2	<1
AQ242	715143,733065	23.0	14.4	10.3	<1
AQ243	714391,730456	22.2	14.3	10.2	<1
AQ244	714958,733192	23.9	14.5	10.3	<1
AQ245	713878,731005	21.3	14.2	10.1	1
AQ246	715066,733532	27.4	15.0	10.6	<1
AQ247	713607,731642	30.9	15.8	11.1	1
AQ248	714580,730783	21.5	14.3	10.2	1
AQ249	714870,733078	22.9	14.4	10.3	<1
AQ250	714579,730800	21.5	14.3	10.2	1
AQ251	715206,733206	23.5	14.5	10.3	<1
AQ252	714894,733434	23.2	14.5	10.3	<1
AQ253	714904,733139	22.8	14.4	10.3	<1
AQ254	714346,731575	23.8	14.6	10.4	<1
AQ255	714868,733079	22.8	14.4	10.3	<1
AQ256	714540,731789	22.3	14.4	10.2	<1
AQ257	714604,732118	21.8	14.3	10.2	1
AQ258	715117,733489	26.2	14.8	10.5	<1
AQ259	714602,732153	21.7	14.3	10.2	1
AQ260	714637,732148	22.1	14.3	10.2	<1
AQ261	714576,732109	21.6	14.3	10.2	1
AQ262	714861,733426	23.0	14.4	10.3	<1
AQ263	714728,732614	23.4	14.5	10.3	<1
AQ264	714430,730599	22.5	14.4	10.3	<1
AQ265	714351,730502	21.4	14.2	10.1	1
AQ266	715513,733190	26.9	14.9	10.6	<1
AQ267	715392,733327	26.5	15.0	10.6	<1
AQ268	714828,733929	30.1	15.4	10.9	<1
AQ269	715446,733557	26.1	14.8	10.5	<1
AQ270	713762,732081	26.0	14.9	10.6	<1
AQ271	712834,729291	22.1	14.4	10.2	<1
AQ272	712830,729561	24.1	14.7	10.4	<1
AQ273	712825,729683	23.7	14.6	10.4	<1
AQ274	712935,729936	23.6	14.6	10.4	<1
AQ275	713012,730172	24.5	14.7	10.4	<1
AQ276	712923,730047	23.1	14.5	10.3	<1
AQ277	713183,730162	21.4	14.2	10.1	1
AQ278	713234,730383	26.4	15.1	10.7	<1
AQ279	713545,730398	23.2	14.6	10.4	<1

AQ280	713145,730472	25.6	14.9	10.5	<1
AQ281	712773,730544	22.6	14.5	10.3	<1
AQ282	712695,730717	21.7	14.3	10.2	1
AQ283	712476,730711	24.0	14.7	10.4	<1
AQ284	712287,730784	23.2	14.6	10.4	<1
AQ285	711951,730540	23.5	14.6	10.3	<1
AQ286	711916,730448	22.9	14.4	10.3	<1
AQ287	711958,729930	22.8	14.5	10.3	<1
AQ288	711957,729797	26.8	14.9	10.6	<1
AQ289	712477,731272	23.5	14.6	10.3	<1
AQ290	712692,731285	23.6	14.5	10.3	<1
AQ291	712813,731610	24.7	14.8	10.5	<1
AQ292	712753,731733	23.6	14.6	10.4	<1
AQ293	712961,731853	23.6	14.6	10.4	<1
AQ294	713203,731880	25.2	14.7	10.5	<1
AQ295	713383,731921	24.9	14.7	10.5	<1
AQ296	713637,732043	25.3	14.8	10.5	<1
AQ297	713686,732023	24.2	14.6	10.4	<1
AQ298	714203,732296	23.9	14.6	10.4	<1
AQ299	714350,732636	30.3	15.4	10.9	<1
AQ300	714276,732491	26.5	15.0	10.6	<1
AQ301	714493,732465	26.9	15.0	10.6	<1
AQ302	714247,732344	24.0	14.6	10.4	<1
AQ303	714494,732594	29.6	15.5	11.0	1
AQ304	714656,732661	28.9	15.4	10.9	<1
AQ305	711878,730929	20.3	14.1	10.1	1
AQ306	712035,730672	26.1	15.0	10.6	<1
AQ307	712882,731018	21.0	14.2	10.1	1
AQ308	713001,731076	21.1	14.2	10.1	1
AQ309	713177,730833	21.0	14.2	10.1	1
AQ310	713300,730682	21.7	14.3	10.2	1
AQ311	713076,731039	21.1	14.2	10.1	1
AQ312	712679,730262	21.6	14.3	10.2	1
AQ313	712288,730087	21.9	14.3	10.2	<1
AQ314	712449,730136	21.6	14.3	10.2	1
AQ315	712550,730226	21.8	14.3	10.2	<1
AQ316	711929,730110	23.2	14.5	10.3	<1
AQ317	712173,730985	25.7	14.8	10.5	<1
AQ318	712278,731108	25.5	14.8	10.5	<1
AQ319	713400,731673	21.3	14.2	10.1	1
AQ320	713375,731592	21.2	14.2	10.1	1
AQ321	713342,731482	21.5	14.2	10.1	1

AQ322	713122,732231	23.1	14.5	10.3	<1
AQ323	715343,732445	28.5	15.2	10.8	<1
AQ324	715613,732231	27.8	14.9	10.6	<1
AQ325	715599,732408	28.7	15.1	10.7	<1
AQ326	715504,732462	27.4	15.1	10.7	<1
AQ327	715622,732344	27.0	14.9	10.6	<1
AQ328	715598,732073	27.4	15.0	10.6	<1
AQ329	715546,731804	28.7	15.2	10.7	<1
AQ330	715534,731666	29.8	15.3	10.8	<1
AQ331	715419,731464	26.0	14.8	10.5	<1
AQ332	715233,731418	22.8	14.4	10.3	<1
AQ333	715269,731204	22.9	14.5	10.3	<1
AQ334	715164,730795	23.9	14.6	10.4	<1
AQ335	715185,730998	23.1	14.5	10.3	<1
AQ336	714946,730609	24.7	14.7	10.4	<1
AQ337	715058,730627	26.7	15.1	10.6	<1
AQ338	714837,730868	24.5	14.6	10.4	<1
AQ339	715013,730353	25.2	14.7	10.2	<1
AQ340	715045,731678	22.1	14.3	10.2	<1
AQ341	715503,732643	24.8	14.6	10.4	<1
AQ342	715426,732712	24.5	14.6	10.4	<1
AQ343	715298,732767	31.5	15.5	10.9	1
AQ344	715152,732719	25.1	14.8	10.5	<1
AQ345	715330,732943	26.2	14.9	10.5	<1
AQ346	715295,733027	24.3	14.6	10.4	<1
AQ347	715304,733142	27.0	15.0	10.6	<1
AQ348	715455,733079	24.6	14.6	10.4	<1
AQ349	715266,733282	26.2	14.8	10.5	<1
AQ350	715242,733567	27.4	15.0	10.6	<1
AQ351	715222,733638	27.0	14.9	10.6	<1
AQ352	715066,733666	32.3	15.7	11.1	1
AQ353	715064,733766	40.9	16.7	11.7	1
AQ354	715089,733811	29.2	15.3	10.8	<1
AQ355	715144,733796	27.0	14.9	10.6	<1
AQ356	715037,733816	32.3	15.8	11.1	1
AQ357	715042,734066	30.3	15.2	10.8	<1
AQ358	715015,733947	35.1	16.1	11.3	1
AQ359	715491,733531	32.7	15.8	11.1	1
AQ360	715496,733403	30.0	15.4	10.9	<1
AQ361	713966,733104	30.4	15.6	11.0	1
AQ362	714005,731184	25.3	14.8	10.5	<1
AQ363	714014,731146	23.7	14.6	10.4	<1

AQ364	714421,729771	26.6	15.0	10.3	<1
AQ365	714361,729895	24.0	14.5	10.2	<1
AQ366	713955,729748	22.3	14.4	10.2	<1
AQ367	714088,729926	26.3	15.0	10.6	<1
AQ368	714120,730001	24.0	14.6	10.4	<1
<b>Air Quality Limit Value Objective</b>		<b>40</b>	<b>40</b>	<b>25</b>	<b>35</b>

In the cumulative 2024 DM scenario annual mean concentrations of NO<sub>2</sub> are above the relevant national air quality limit value objective in some areas; one exceedance was modelled at a receptor on the R137 Patrick St. Annual mean NO<sub>2</sub> concentrations did not exceed 60µg/m<sup>3</sup>, indicating that exceedances of the NO<sub>2</sub> 1-hour mean are unlikely to occur. Annual mean PM<sub>10</sub> 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<sub>10</sub> concentration indicated that there is likely to be no more than one exceedance of the 50µg/m<sup>3</sup> ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean PM<sub>2.5</sub> 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<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> and the number of exceedances of the 24 hour PM<sub>10</sub> objective, at all modelled existing air quality sensitive receptors in the cumulative 2024 DS scenario are listed in Table 1.2. Locations of these receptors are shown in Figures 7.6-7.9 in Volume 3 of this EIAR.

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

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m <sup>3</sup> )			No of PM <sub>10</sub> days > 50 µg/m <sup>3</sup>
		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	
AQ1	714694,732079	27.5	14.9	10.6	<1
AQ2	714622,731901	22.6	14.4	10.2	<1
AQ3	714695,731230	28.5	15.1	10.7	<1
AQ4	714701,732093	28.9	15.0	10.6	<1
AQ5	714696,731196	28.2	15.1	10.7	<1
AQ6	714686,732061	25.4	14.7	10.4	<1
AQ7	714674,732024	24.5	14.6	10.4	<1
AQ8	714708,732110	29.4	15.1	10.7	<1
AQ9	714636,731935	22.9	14.4	10.3	<1
AQ10	714290,731501	21.8	14.3	10.2	1
AQ11	714448,730655	24.7	14.8	10.5	<1
AQ12	713607,731542	24.3	14.6	10.4	<1
AQ13	714655,731245	30.3	15.3	10.8	<1
AQ14	714429,730691	24.5	14.8	10.5	<1
AQ15	715025,733278	26.0	14.9	10.6	<1
AQ16	715050,733269	28.8	15.4	10.8	<1
AQ17	714655,731996	23.2	14.5	10.3	<1
AQ18	714470,731645	22.2	14.3	10.2	<1
AQ19	714667,732007	23.5	14.5	10.3	<1

AQ20	713416,730719	23.6	14.5	10.3	<1
AQ21	714654,731516	28.8	15.2	10.8	<1
AQ22	714447,731631	22.2	14.4	10.2	<1
AQ23	713473,730896	22.8	14.4	10.3	<1
AQ24	714384,731563	23.4	14.5	10.3	<1
AQ25	714547,730932	29.6	15.5	10.9	<1
AQ26	714704,731911	27.6	15.1	10.7	<1
AQ27	714419,730308	30.0	15.3	10.8	<1
AQ28	714402,731576	23.7	14.5	10.3	<1
AQ29	713895,731251	25.3	14.7	10.4	<1
AQ30	714645,731121	28.4	15.2	10.8	<1
AQ31	713870,731222	23.1	14.4	10.3	<1
AQ32	714892,732707	33.2	15.8	11.1	1
AQ33	713597,730798	21.8	14.3	10.2	1
AQ34	714356,731539	22.4	14.4	10.2	<1
AQ35	714658,731410	25.1	14.8	10.5	<1
AQ36	714851,732357	29.5	15.3	10.8	<1
AQ37	713630,730905	22.0	14.3	10.2	<1
AQ38	713799,731384	25.5	14.8	10.5	<1
AQ39	714657,731426	29.6	15.5	10.9	<1
AQ40	714863,732387	31.0	15.5	10.9	<1
AQ41	714990,733066	29.8	15.5	10.9	1
AQ42	714505,730851	28.9	15.4	10.9	<1
AQ43	714617,731609	25.3	14.7	10.5	<1
AQ44	714725,732068	27.1	14.9	10.6	<1
AQ45	714828,732359	28.4	15.1	10.7	<1
AQ46	713536,730717	22.4	14.4	10.2	<1
AQ47	714870,732659	28.7	15.2	10.8	<1
AQ48	714812,732326	30.1	15.3	10.8	<1
AQ49	714640,731615	28.3	15.2	10.7	<1
AQ50	715062,733334	28.6	15.3	10.8	<1
AQ51	715029,733201	33.2	15.7	11.1	1
AQ52	714647,731221	31.9	15.5	11.0	1
AQ53	714875,732403	31.4	15.5	11.0	1
AQ54	714441,730524	25.3	14.8	10.5	<1
AQ55	714671,731166	29.5	15.3	10.8	<1
AQ56	714884,732459	31.7	15.5	11.0	1
AQ57	713506,731503	23.4	14.4	10.3	<1
AQ58	713973,731312	25.6	14.7	10.5	<1
AQ59	715059,733306	28.5	15.3	10.8	<1
AQ60	714896,732869	37.0	16.3	11.4	1
AQ61	714031,731302	23.5	14.5	10.3	<1

AQ62	713385,731413	23.8	14.5	10.3	<1
AQ63	714901,732625	29.3	15.4	10.9	<1
AQ64	714900,732964	26.7	15.0	10.6	<1
AQ65	713399,731387	23.3	14.5	10.3	<1
AQ66	714646,731575	29.5	15.3	10.8	<1
AQ67	714861,732518	27.9	15.1	10.7	<1
AQ68	714563,731741	23.0	14.5	10.3	<1
AQ69	714692,731828	28.1	15.2	10.7	<1
AQ70	714904,732904	30.6	15.4	10.9	<1
AQ71	713665,730965	21.7	14.3	10.2	1
AQ72	713993,731295	24.1	14.5	10.3	<1
AQ73	713784,731078	21.9	14.3	10.2	1
AQ74	714582,731767	23.9	14.5	10.3	<1
AQ75	714509,731678	22.3	14.4	10.2	<1
AQ76	714457,730817	24.9	14.8	10.5	<1
AQ77	714578,731776	23.0	14.4	10.3	<1
AQ78	714889,732948	25.9	14.8	10.5	<1
AQ79	714736,732112	30.0	15.1	10.7	<1
AQ80	714676,731743	27.9	15.2	10.7	<1
AQ81	714195,731370	23.3	14.5	10.3	<1
AQ82	713773,731059	21.8	14.3	10.2	1
AQ83	714677,731754	26.5	15.0	10.6	<1
AQ84	714479,730613	27.1	15.2	10.7	<1
AQ85	714454,730426	27.4	15.1	10.7	<1
AQ86	714741,732128	29.8	15.2	10.8	<1
AQ87	715010,733245	26.5	14.9	10.6	<1
AQ88	714690,731390	27.1	15.1	10.7	<1
AQ89	713775,731409	25.9	14.8	10.5	<1
AQ90	713657,730891	22.0	14.3	10.2	<1
AQ91	714874,732681	31.7	15.7	11.0	1
AQ92	714864,732572	27.1	15.1	10.7	<1
AQ93	714702,731955	27.8	15.1	10.7	<1
AQ94	713279,731328	22.6	14.3	10.2	<1
AQ95	715038,733228	31.6	15.5	11.0	1
AQ96	714656,731384	24.4	14.6	10.4	<1
AQ97	714435,730725	24.4	14.7	10.5	<1
AQ98	714868,732748	34.2	15.9	11.2	1
AQ99	714735,732093	27.8	14.9	10.6	<1
AQ100	714323,731488	22.3	14.4	10.2	<1
AQ101	713610,731580	25.3	14.8	10.5	<1
AQ102	713435,730562	23.8	14.6	10.4	<1
AQ103	714139,731328	22.9	14.4	10.3	<1

AQ104	713462,730663	26.7	14.9	10.5	<1
AQ105	713465,730617	25.4	14.8	10.5	<1
AQ106	714450,730590	26.0	15.0	10.6	<1
AQ107	714719,732045	27.2	15.0	10.6	<1
AQ108	713483,730642	24.9	14.7	10.4	<1
AQ109	714035,731334	23.7	14.5	10.3	<1
AQ110	713707,731028	21.6	14.3	10.2	1
AQ111	714478,730863	24.7	14.7	10.5	<1
AQ112	714737,732185	25.7	14.8	10.5	<1
AQ113	714115,731313	22.6	14.4	10.2	<1
AQ114	714974,733097	28.0	15.2	10.7	<1
AQ115	713812,731135	22.3	14.3	10.2	<1
AQ116	714691,731277	29.1	15.2	10.7	<1
AQ117	713429,730688	26.8	14.9	10.6	<1
AQ118	713466,730838	23.2	14.5	10.3	<1
AQ119	713539,731528	23.5	14.5	10.3	<1
AQ120	715066,733379	26.6	15.0	10.6	<1
AQ121	714935,732968	28.0	15.2	10.7	<1
AQ122	714060,731306	23.2	14.4	10.3	<1
AQ123	714421,730403	26.5	15.0	10.6	<1
AQ124	714968,733084	30.7	15.5	11.0	1
AQ125	714948,733049	27.3	15.1	10.7	<1
AQ126	715065,733362	28.1	15.2	10.8	<1
AQ127	714894,732736	33.9	15.8	11.2	1
AQ128	714613,731056	29.5	15.4	10.8	<1
AQ129	714894,732690	30.9	15.5	11.0	1
AQ130	714631,731510	29.5	15.3	10.8	<1
AQ131	715024,733168	30.3	15.4	10.9	<1
AQ132	714622,731529	25.0	14.7	10.4	<1
AQ133	713515,730727	23.0	14.4	10.3	<1
AQ134	713623,730839	21.8	14.3	10.2	1
AQ135	714872,732703	33.7	15.9	11.2	1
AQ136	713859,731292	25.8	14.8	10.5	<1
AQ137	714904,732606	28.3	15.3	10.8	<1
AQ138	713527,730748	22.7	14.4	10.2	<1
AQ139	714381,730243	31.0	15.4	10.9	<1
AQ140	715000,733200	28.3	15.1	10.7	<1
AQ141	713549,731500	23.6	14.5	10.3	<1
AQ142	714702,731895	27.5	15.1	10.7	<1
AQ143	714892,732564	29.2	15.4	10.9	<1
AQ144	714997,733092	32.5	16.0	11.2	1
AQ145	714628,731668	25.7	14.8	10.5	<1

AQ146	714457,730458	28.6	15.2	10.8	<1
AQ147	714608,731698	24.1	14.6	10.4	<1
AQ148	714433,730355	30.4	15.5	10.9	1
AQ149	714666,731294	27.5	15.0	10.6	<1
AQ150	714887,732495	31.0	15.4	10.9	<1
AQ151	714866,732799	28.3	15.1	10.7	<1
AQ152	714667,731316	26.9	14.9	10.6	<1
AQ153	713244,731266	21.9	14.3	10.2	1
AQ154	713186,731256	22.5	14.3	10.2	<1
AQ155	714758,732221	26.7	14.9	10.6	<1
AQ156	714462,730661	30.5	15.8	11.1	1
AQ157	714406,730216	33.8	15.7	11.1	1
AQ158	713572,730818	22.1	14.3	10.2	<1
AQ159	714743,732200	25.6	14.8	10.5	<1
AQ160	714980,733043	29.2	15.4	10.9	<1
AQ161	714884,732476	31.9	15.5	11.0	1
AQ162	714617,731865	23.1	14.4	10.3	<1
AQ163	714471,731614	22.1	14.3	10.2	<1
AQ164	713338,731339	22.1	14.3	10.2	<1
AQ165	713425,730890	21.4	14.2	10.1	1
AQ166	714526,730892	29.2	15.5	10.9	<1
AQ167	714300,731452	22.5	14.4	10.2	<1
AQ168	713467,731441	23.3	14.4	10.3	<1
AQ169	714647,731147	28.9	15.3	10.8	<1
AQ170	714633,731178	29.0	15.2	10.8	<1
AQ171	713606,730873	21.9	14.3	10.2	<1
AQ172	714464,730541	29.7	15.5	10.9	1
AQ173	713515,730683	22.5	14.4	10.2	<1
AQ174	713922,731301	24.9	14.6	10.4	<1
AQ175	714616,731584	26.6	14.9	10.6	<1
AQ176	714453,731606	22.2	14.3	10.2	<1
AQ177	714591,731016	27.3	15.1	10.7	<1
AQ178	713851,731192	22.6	14.4	10.2	<1
AQ179	714760,732156	29.3	15.3	10.8	<1
AQ180	714488,731661	22.1	14.3	10.2	<1
AQ181	714866,732787	31.9	15.6	11.0	1
AQ182	714662,731688	28.9	15.3	10.8	<1
AQ183	713431,731445	23.7	14.5	10.3	<1
AQ184	714867,732767	32.5	15.7	11.0	1
AQ185	714546,731682	22.4	14.4	10.2	<1
AQ186	714651,731648	29.5	15.3	10.8	<1
AQ187	714169,731349	23.0	14.4	10.3	<1



AQ188	714457,730738	26.3	15.0	10.6	<1
AQ189	714471,730774	28.1	15.3	10.8	<1
AQ190	714669,731341	26.4	14.9	10.6	<1
AQ191	714786,732212	30.3	15.3	10.8	<1
AQ192	714892,732549	29.2	15.4	10.9	<1
AQ193	713923,731263	29.5	15.2	10.7	<1
AQ194	715012,733120	31.3	15.7	11.0	1
AQ195	714798,732226	28.6	15.1	10.7	<1
AQ196	713184,731216	22.0	14.3	10.2	1
AQ197	714505,731633	22.0	14.3	10.2	<1
AQ198	713856,731252	22.8	14.4	10.2	<1
AQ199	714566,730968	29.5	15.4	10.9	<1
AQ200	714432,730761	23.7	14.6	10.4	<1
AQ201	714402,730316	31.6	15.6	11.0	1
AQ202	714665,731366	25.4	14.8	10.5	<1
AQ203	713755,731433	26.4	14.9	10.6	<1
AQ204	714235,731399	23.1	14.4	10.3	<1
AQ205	713462,730742	24.7	14.7	10.4	<1
AQ206	714700,731943	27.8	15.2	10.7	<1
AQ207	714901,732655	30.1	15.5	10.9	<1
AQ208	713345,731378	23.0	14.4	10.2	<1
AQ209	713461,730794	23.7	14.5	10.3	<1
AQ210	714941,733031	27.9	15.1	10.7	<1
AQ211	715031,733358	25.2	14.8	10.5	<1
AQ212	714880,732870	28.9	15.2	10.8	<1
AQ213	714891,732836	29.2	15.3	10.8	<1
AQ214	714874,732846	28.4	15.2	10.7	<1
AQ215	714869,732824	28.2	15.1	10.7	<1
AQ216	714470,730225	25.1	14.7	10.4	<1
AQ217	714900,733228	22.8	14.4	10.3	<1
AQ218	714854,732989	24.1	14.6	10.4	<1
AQ219	714651,731485	28.4	15.2	10.8	<1
AQ220	714775,731435	22.2	14.3	10.2	<1
AQ221	714669,731433	27.3	15.1	10.7	<1
AQ222	714779,732682	28.1	15.2	10.8	<1
AQ223	715184,733083	22.9	14.4	10.3	<1
AQ224	714796,733117	21.9	14.3	10.2	1
AQ225	714904,732997	26.5	14.9	10.6	<1
AQ226	714911,733502	27.2	14.8	10.5	<1
AQ227	714171,731536	21.1	14.2	10.1	1
AQ228	713866,731501	21.6	14.3	10.2	1
AQ229	714044,731432	21.4	14.2	10.1	1

AQ230	713698,731532	24.8	14.7	10.4	<1
AQ231	715149,733205	23.4	14.5	10.3	<1
AQ232	714983,733313	23.1	14.5	10.3	<1
AQ233	714991,733335	23.2	14.5	10.3	<1
AQ234	714401,730051	23.2	14.5	10.3	<1
AQ235	715212,733160	24.5	14.6	10.4	<1
AQ236	714470,730050	21.6	14.3	10.2	1
AQ237	714522,731140	22.3	14.4	10.2	<1
AQ238	714550,730143	21.4	14.2	10.1	1
AQ239	714784,732271	27.3	15.0	10.6	<1
AQ240	715157,733127	23.6	14.5	10.3	<1
AQ241	714829,733197	22.0	14.3	10.2	<1
AQ242	715143,733065	23.0	14.4	10.3	<1
AQ243	714391,730456	22.6	14.4	10.2	<1
AQ244	714958,733192	24.2	14.6	10.4	<1
AQ245	713878,731005	20.9	14.2	10.1	1
AQ246	715066,733532	26.9	14.9	10.5	<1
AQ247	713607,731642	31.4	15.9	11.2	1
AQ248	714580,730783	21.7	14.3	10.2	1
AQ249	714870,733078	23.0	14.4	10.3	<1
AQ250	714579,730800	21.7	14.3	10.2	1
AQ251	715206,733206	23.5	14.5	10.3	<1
AQ252	714894,733434	22.9	14.4	10.2	<1
AQ253	714904,733139	23.0	14.4	10.3	<1
AQ254	714346,731575	21.9	14.3	10.2	<1
AQ255	714868,733079	23.0	14.4	10.3	<1
AQ256	714540,731789	21.6	14.3	10.2	1
AQ257	714604,732118	21.6	14.2	10.2	1
AQ258	715117,733489	25.8	14.8	10.5	<1
AQ259	714602,732153	21.6	14.2	10.2	1
AQ260	714637,732148	21.9	14.3	10.2	1
AQ261	714576,732109	21.4	14.2	10.1	1
AQ262	714861,733426	22.6	14.4	10.2	<1
AQ263	714728,732614	23.6	14.5	10.3	<1
AQ264	714430,730599	22.9	14.5	10.3	<1
AQ265	714351,730502	21.6	14.3	10.2	1
AQ266	715513,733190	27.0	14.9	10.6	<1
AQ267	715392,733327	26.0	14.9	10.5	<1
AQ268	714828,733929	30.2	15.3	10.8	<1
AQ269	715446,733557	26.2	14.8	10.5	<1
AQ270	713762,732081	28.4	15.2	10.8	<1
AQ271	712834,729291	22.0	14.4	10.2	<1

AQ272	712830,729561	23.5	14.6	10.4	<1
AQ273	712825,729683	23.2	14.5	10.3	<1
AQ274	712935,729936	23.0	14.5	10.3	<1
AQ275	713012,730172	23.6	14.6	10.3	<1
AQ276	712923,730047	22.6	14.4	10.3	<1
AQ277	713183,730162	21.1	14.2	10.1	1
AQ278	713234,730383	25.0	14.9	10.5	<1
AQ279	713545,730398	23.2	14.6	10.4	<1
AQ280	713145,730472	24.2	14.6	10.4	<1
AQ281	712773,730544	21.9	14.3	10.2	<1
AQ282	712695,730717	21.7	14.3	10.2	1
AQ283	712476,730711	23.0	14.5	10.3	<1
AQ284	712287,730784	22.5	14.5	10.3	<1
AQ285	711951,730540	24.5	14.7	10.4	<1
AQ286	711916,730448	23.8	14.6	10.4	<1
AQ287	711958,729930	23.2	14.5	10.3	<1
AQ288	711957,729797	27.0	14.9	10.6	<1
AQ289	712477,731272	23.9	14.6	10.4	<1
AQ290	712692,731285	23.9	14.5	10.3	<1
AQ291	712813,731610	25.2	14.8	10.5	<1
AQ292	712753,731733	24.0	14.6	10.4	<1
AQ293	712961,731853	24.8	14.7	10.5	<1
AQ294	713203,731880	26.9	15.0	10.6	<1
AQ295	713383,731921	26.3	14.9	10.6	<1
AQ296	713637,732043	27.4	15.1	10.7	<1
AQ297	713686,732023	25.8	14.9	10.5	<1
AQ298	714203,732296	25.4	14.8	10.5	<1
AQ299	714350,732636	31.6	15.6	11.0	1
AQ300	714276,732491	28.1	15.2	10.8	<1
AQ301	714493,732465	27.4	15.1	10.7	<1
AQ302	714247,732344	25.4	14.8	10.5	<1
AQ303	714494,732594	31.4	15.8	11.1	1
AQ304	714656,732661	30.2	15.6	11.0	1
AQ305	711878,730929	20.3	14.1	10.1	1
AQ306	712035,730672	27.6	15.2	10.8	<1
AQ307	712882,731018	21.1	14.2	10.1	1
AQ308	713001,731076	21.2	14.2	10.1	1
AQ309	713177,730833	20.9	14.2	10.1	1
AQ310	713300,730682	21.5	14.3	10.2	1
AQ311	713076,731039	21.1	14.2	10.1	1
AQ312	712679,730262	21.1	14.2	10.1	1
AQ313	712288,730087	21.2	14.2	10.1	1

AQ314	712449,730136	21.0	14.2	10.1	1
AQ315	712550,730226	21.3	14.2	10.1	1
AQ316	711929,730110	24.0	14.6	10.4	<1
AQ317	712173,730985	26.5	15.0	10.6	<1
AQ318	712278,731108	26.3	14.9	10.6	<1
AQ319	713400,731673	21.5	14.2	10.1	1
AQ320	713375,731592	21.4	14.2	10.1	1
AQ321	713342,731482	21.7	14.2	10.2	1
AQ322	713122,732231	24.9	14.7	10.4	<1
AQ323	715343,732445	28.1	15.2	10.7	<1
AQ324	715613,732231	28.3	15.0	10.6	<1
AQ325	715599,732408	29.1	15.2	10.7	<1
AQ326	715504,732462	27.1	15.0	10.6	<1
AQ327	715622,732344	27.3	15.0	10.6	<1
AQ328	715598,732073	28.0	15.1	10.7	<1
AQ329	715546,731804	29.5	15.3	10.8	<1
AQ330	715534,731666	30.5	15.4	10.9	<1
AQ331	715419,731464	26.5	14.9	10.6	<1
AQ332	715233,731418	22.8	14.4	10.3	<1
AQ333	715269,731204	23.1	14.5	10.3	<1
AQ334	715164,730795	24.2	14.7	10.4	<1
AQ335	715185,730998	23.4	14.5	10.3	<1
AQ336	714946,730609	25.1	14.8	10.5	<1
AQ337	715058,730627	27.2	15.1	10.7	<1
AQ338	714837,730868	24.8	14.7	10.4	<1
AQ339	715013,730353	25.3	14.7	10.5	<1
AQ340	715045,731678	22.1	14.3	10.2	<1
AQ341	715503,732643	24.7	14.6	10.4	<1
AQ342	715426,732712	24.4	14.6	10.4	<1
AQ343	715298,732767	31.4	15.5	10.9	1
AQ344	715152,732719	25.1	14.8	10.5	<1
AQ345	715330,732943	26.1	14.8	10.5	<1
AQ346	715295,733027	24.3	14.6	10.4	<1
AQ347	715304,733142	26.9	15.0	10.6	<1
AQ348	715455,733079	24.5	14.6	10.4	<1
AQ349	715266,733282	26.0	14.8	10.5	<1
AQ350	715242,733567	27.3	15.0	10.6	<1
AQ351	715222,733638	27.0	14.9	10.6	<1
AQ352	715066,733666	31.2	15.6	11.0	1
AQ353	715064,733766	39.8	16.6	11.6	1
AQ354	715089,733811	28.7	15.2	10.7	<1
AQ355	715144,733796	26.8	14.9	10.6	<1

AQ356	715037,733816	31.7	15.7	11.1	1
AQ357	715042,734066	30.5	15.2	10.8	<1
AQ358	715015,733947	34.2	15.8	11.2	1
AQ359	715491,733531	32.9	15.8	11.1	1
AQ360	715496,733403	29.8	15.4	10.9	<1
AQ361	713966,733104	28.2	15.3	10.8	<1
AQ362	714005,731184	25.2	14.8	10.5	<1
AQ363	714014,731146	23.5	14.6	10.3	<1
AQ364	714421,729771	27.1	15.1	10.7	<1
AQ365	714361,729895	24.3	14.6	10.4	<1
AQ366	713955,729748	22.4	14.4	10.2	<1
AQ367	714088,729926	26.6	15.0	10.6	<1
AQ368	714120,730001	24.2	14.7	10.4	<1
<b>Air Quality Limit Value Objective</b>		<b>40</b>	<b>40</b>	<b>25</b>	<b>35</b>

In the cumulative 2024 DS scenario annual mean concentrations of NO<sub>2</sub> are below the relevant national air quality limit value objective for all modelled receptors. This is a decrease from one exceedance in the DM scenario. Annual mean NO<sub>2</sub> concentrations did not exceed 60µg/m<sup>3</sup>, indicating that exceedances of the NO<sub>2</sub> 1-hour mean are unlikely to occur. Annual mean PM<sub>10</sub> 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<sub>10</sub> concentration indicated that there is likely to be no more than one exceedance of the 50µg/m<sup>3</sup> ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean PM<sub>2.5</sub> 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. (µg/m <sup>3</sup> )			Change in No of PM <sub>10</sub> days > 50 µg/m <sup>3</sup>	Impact on Annual Mean Conc.		
		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
AQ1	714694,732079	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ2	714622,731901	-2.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ3	714695,731230	1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ4	714701,732093	-1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ5	714696,731196	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ6	714686,732061	-2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ7	714674,732024	-3.8	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ8	714708,732110	-0.9	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ9	714636,731935	-2.9	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ10	714290,731501	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ11	714448,730655	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible

AQ12	713607,731542	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ13	714655,731245	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ14	714429,730691	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ15	715025,733278	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ16	715050,733269	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ17	714655,731996	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ18	714470,731645	-3.1	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ19	714667,732007	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ20	713416,730719	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ21	714654,731516	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ22	714447,731631	-3.3	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ23	713473,730896	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ24	714384,731563	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ25	714547,730932	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ26	714704,731911	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ27	714419,730308	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ28	714402,731576	-2.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ29	713895,731251	-4.3	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ30	714645,731121	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ31	713870,731222	-5.9	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ32	714892,732707	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ33	713597,730798	-4.1	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ34	714356,731539	-2.8	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ35	714658,731410	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ36	714851,732357	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ37	713630,730905	-4.8	-0.7	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ38	713799,731384	-1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ39	714657,731426	1.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ40	714863,732387	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ41	714990,733066	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ42	714505,730851	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ43	714617,731609	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ44	714725,732068	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ45	714828,732359	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ46	713536,730717	-4.2	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ47	714870,732659	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ48	714812,732326	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ49	714640,731615	1.1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ50	715062,733334	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ51	715029,733201	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ52	714647,731221	1.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ53	714875,732403	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible

AQ54	714441,730524	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ55	714671,731166	1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ56	714884,732459	-1.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ57	713506,731503	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ58	713973,731312	-5.6	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ59	715059,733306	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ60	714896,732869	-0.6	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ61	714031,731302	-3.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ62	713385,731413	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ63	714901,732625	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ64	714900,732964	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ65	713399,731387	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ66	714646,731575	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ67	714861,732518	-0.8	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ68	714563,731741	-3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ69	714692,731828	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ70	714904,732904	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ71	713665,730965	-3.8	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ72	713993,731295	-3.5	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ73	713784,731078	-4.7	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ74	714582,731767	-4.2	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ75	714509,731678	-3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ76	714457,730817	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ77	714578,731776	-2.6	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ78	714889,732948	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ79	714736,732112	-0.9	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ80	714676,731743	1.1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ81	714195,731370	-3.4	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ82	713773,731059	-4.3	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ83	714677,731754	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ84	714479,730613	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ85	714454,730426	1.2	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ86	714741,732128	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ87	715010,733245	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ88	714690,731390	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ89	713775,731409	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ90	713657,730891	-4.1	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ91	714874,732681	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ92	714864,732572	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ93	714702,731955	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ94	713279,731328	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ95	715038,733228	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible

AQ96	714656,731384	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ97	714435,730725	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ98	714868,732748	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ99	714735,732093	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ100	714323,731488	-2.7	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ101	713610,731580	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ102	713435,730562	-2.8	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ103	714139,731328	-2.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ104	713462,730663	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ105	713465,730617	-4.5	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ106	714450,730590	1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ107	714719,732045	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ108	713483,730642	-4.8	-0.7	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ109	714035,731334	-3.7	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ110	713707,731028	-3.6	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ111	714478,730863	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ112	714737,732185	-1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ113	714115,731313	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ114	714974,733097	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ115	713812,731135	-6	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ116	714691,731277	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ117	713429,730688	1.9	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ118	713466,730838	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ119	713539,731528	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ120	715066,733379	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ121	714935,732968	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ122	714060,731306	-2.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ123	714421,730403	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ124	714968,733084	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ125	714948,733049	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ126	715065,733362	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ127	714894,732736	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ128	714613,731056	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ129	714894,732690	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ130	714631,731510	1.7	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ131	715024,733168	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ132	714622,731529	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ133	713515,730727	-6.3	-0.9	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ134	713623,730839	-4.3	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ135	714872,732703	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ136	713859,731292	-2.4	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ137	714904,732606	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible



AQ138	713527,730748	-5.9	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ139	714381,730243	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ140	715000,733200	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ141	713549,731500	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ142	714702,731895	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ143	714892,732564	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ144	714997,733092	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ145	714628,731668	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ146	714457,730458	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ147	714608,731698	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ148	714433,730355	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ149	714666,731294	1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ150	714887,732495	-1.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ151	714866,732799	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ152	714667,731316	1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ153	713244,731266	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ154	713186,731256	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ155	714758,732221	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ156	714462,730661	1.8	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ157	714406,730216	0.8	0.1	0.2	<1	Negligible	Negligible	Negligible
AQ158	713572,730818	-4.8	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ159	714743,732200	-1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ160	714980,733043	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ161	714884,732476	-1.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ162	714617,731865	-4.8	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ163	714471,731614	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ164	713338,731339	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ165	713425,730890	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ166	714526,730892	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ167	714300,731452	-2.7	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ168	713467,731441	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ169	714647,731147	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ170	714633,731178	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ171	713606,730873	-4.3	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ172	714464,730541	1.6	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ173	713515,730683	-3.6	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ174	713922,731301	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ175	714616,731584	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ176	714453,731606	-2.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ177	714591,731016	1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ178	713851,731192	-6.1	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ179	714760,732156	-1.7	-0.2	-0.2	<1	Negligible	Negligible	Negligible

AQ180	714488,731661	-2.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ181	714866,732787	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ182	714662,731688	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ183	713431,731445	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ184	714867,732767	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ185	714546,731682	-2.5	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ186	714651,731648	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ187	714169,731349	-2.9	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ188	714457,730738	1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ189	714471,730774	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ190	714669,731341	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ191	714786,732212	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ192	714892,732549	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ193	713923,731263	-2.1	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ194	715012,733120	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ195	714798,732226	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ196	713184,731216	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ197	714505,731633	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ198	713856,731252	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ199	714566,730968	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ200	714432,730761	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ201	714402,730316	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ202	714665,731366	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ203	713755,731433	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ204	714235,731399	-3.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ205	713462,730742	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ206	714700,731943	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ207	714901,732655	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ208	713345,731378	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ209	713461,730794	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ210	714941,733031	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ211	715031,733358	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ212	714880,732870	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ213	714891,732836	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ214	714874,732846	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ215	714869,732824	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ216	714470,730225	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ217	714900,733228	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ218	714854,732989	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ219	714651,731485	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ220	714775,731435	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ221	714669,731433	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible

AQ222	714779,732682	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ223	715184,733083	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ224	714796,733117	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ225	714904,732997	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ226	714911,733502	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ227	714171,731536	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ228	713866,731501	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ229	714044,731432	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ230	713698,731532	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ231	715149,733205	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ232	714983,733313	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ233	714991,733335	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ234	714401,730051	0.2	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ235	715212,733160	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ236	714470,730050	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ237	714522,731140	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ238	714550,730143	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ239	714784,732271	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ240	715157,733127	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ241	714829,733197	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ242	715143,733065	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ243	714391,730456	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ244	714958,733192	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ245	713878,731005	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ246	715066,733532	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ247	713607,731642	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ248	714580,730783	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ249	714870,733078	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ250	714579,730800	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ251	715206,733206	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ252	714894,733434	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ253	714904,733139	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ254	714346,731575	-2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ255	714868,733079	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ256	714540,731789	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ257	714604,732118	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ258	715117,733489	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ259	714602,732153	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ260	714637,732148	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ261	714576,732109	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ262	714861,733426	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ263	714728,732614	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible

AQ264	714430,730599	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ265	714351,730502	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ266	715513,733190	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ267	715392,733327	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ268	714828,733929	0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ269	715446,733557	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ270	713762,732081	2.4	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ271	712834,729291	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ272	712830,729561	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ273	712825,729683	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ274	712935,729936	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ275	713012,730172	-1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ276	712923,730047	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ277	713183,730162	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ278	713234,730383	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ279	713545,730398	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ280	713145,730472	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ281	712773,730544	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ282	712695,730717	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ283	712476,730711	-1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ284	712287,730784	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ285	711951,730540	0.9	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ286	711916,730448	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ287	711958,729930	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ288	711957,729797	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ289	712477,731272	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ290	712692,731285	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ291	712813,731610	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ292	712753,731733	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ293	712961,731853	1.2	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ294	713203,731880	1.7	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ295	713383,731921	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ296	713637,732043	2.1	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ297	713686,732023	1.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ298	714203,732296	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ299	714350,732636	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ300	714276,732491	1.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ301	714493,732465	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ302	714247,732344	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ303	714494,732594	1.8	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ304	714656,732661	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ305	711878,730929	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible

AQ306	712035,730672	1.5	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ307	712882,731018	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ308	713001,731076	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ309	713177,730833	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ310	713300,730682	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ311	713076,731039	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ312	712679,730262	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ313	712288,730087	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ314	712449,730136	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ315	712550,730226	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ316	711929,730110	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ317	712173,730985	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ318	712278,731108	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ319	713400,731673	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ320	713375,731592	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ321	713342,731482	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ322	713122,732231	1.8	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ323	715343,732445	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ324	715613,732231	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ325	715599,732408	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ326	715504,732462	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ327	715622,732344	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ328	715598,732073	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ329	715546,731804	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ330	715534,731666	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ331	715419,731464	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ332	715233,731418	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ333	715269,731204	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ334	715164,730795	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ335	715185,730998	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ336	714946,730609	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ337	715058,730627	0.5	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ338	714837,730868	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ339	715013,730353	0.1	<0.1	0.2	<1	Negligible	Negligible	Negligible
AQ340	715045,731678	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ341	715503,732643	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ342	715426,732712	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ343	715298,732767	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ344	715152,732719	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ345	715330,732943	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ346	715295,733027	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ347	715304,733142	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible

AQ348	715455,733079	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ349	715266,733282	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ350	715242,733567	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ351	715222,733638	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ352	715066,733666	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ353	715064,733766	-1.1	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ354	715089,733811	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ355	715144,733796	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ356	715037,733816	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ357	715042,734066	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ358	715015,733947	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ359	715491,733531	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ360	715496,733403	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ361	713966,733104	-2.2	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ362	714005,731184	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ363	714014,731146	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ364	714421,729771	0.5	0.1	0.4	<1	Negligible	Negligible	Negligible
AQ365	714361,729895	0.3	<0.1	0.1	<1	Negligible	Negligible	Negligible
AQ366	713955,729748	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ367	714088,729926	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ368	714120,730001	0.1	<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<sub>2</sub> concentration. A slightly beneficial impact is estimated at 24 receptors. All beneficial impacts are modelled along the Proposed Scheme. The Proposed Scheme is overall neutral in terms of annual mean PM<sub>10</sub> and PM<sub>2.5</sub> concentrations, with all receptors experiencing a negligible impact.

## 2. Operational Traffic Assessment

### 2.1 ‘Do Minimum’ Scenario

Predicted annual mean concentrations of NO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> and the number of exceedances of the 24-hour PM<sub>10</sub> objective, at all modelled existing air quality sensitive receptors in the cumulative 2028 DM scenario are listed in Table 2.1. Locations of these receptors are shown in Figures 7.3 – 7.5 in Volume 3 of this EIAR.

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

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m <sup>3</sup> )			No of PM <sub>10</sub> days > 50 µg/m <sup>3</sup>
		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	
AQ1	714694,732079	28.7	15.1	10.7	<1
AQ2	714622,731901	25.0	14.7	10.4	<1
AQ3	714695,731230	27.4	15.0	10.6	<1
AQ4	714701,732093	29.9	15.2	10.8	<1
AQ5	714696,731196	27.3	15.0	10.6	<1
AQ6	714686,732061	27.3	15.0	10.6	<1
AQ7	714674,732024	28.2	15.2	10.7	<1
AQ8	714708,732110	30.1	15.3	10.8	<1
AQ9	714636,731935	25.7	14.8	10.5	<1
AQ10	714290,731501	23.5	14.5	10.3	<1
AQ11	714448,730655	23.9	14.6	10.4	<1
AQ12	713607,731542	23.7	14.6	10.3	<1
AQ13	714655,731245	28.6	15.1	10.7	<1
AQ14	714429,730691	23.9	14.6	10.4	<1
AQ15	715025,733278	26.7	15.0	10.6	<1
AQ16	715050,733269	29.9	15.5	10.9	1
AQ17	714655,731996	25.3	14.8	10.5	<1
AQ18	714470,731645	25.1	14.9	10.5	<1
AQ19	714667,732007	25.7	14.8	10.5	<1
AQ20	713416,730719	22.7	14.4	10.2	<1
AQ21	714654,731516	27.3	15.0	10.6	<1
AQ22	714447,731631	25.4	14.9	10.5	<1
AQ23	713473,730896	21.9	14.3	10.2	1
AQ24	714384,731563	25.7	14.9	10.5	<1
AQ25	714547,730932	28.0	15.2	10.7	<1
AQ26	714704,731911	26.9	15.0	10.6	<1
AQ27	714419,730308	28.7	15.2	10.7	<1
AQ28	714402,731576	26.1	14.9	10.6	<1
AQ29	713895,731251	29.5	15.3	10.8	<1
AQ30	714645,731121	27.1	15.0	10.6	<1
AQ31	713870,731222	28.8	15.2	10.7	<1

AQ32	714892,732707	33.7	15.8	11.1	1
AQ33	713597,730798	25.7	14.9	10.5	<1
AQ34	714356,731539	25.1	14.8	10.5	<1
AQ35	714658,731410	24.3	14.6	10.4	<1
AQ36	714851,732357	30.7	15.4	10.8	<1
AQ37	713630,730905	26.6	15.0	10.6	<1
AQ38	713799,731384	26.5	14.9	10.5	<1
AQ39	714657,731426	27.6	15.1	10.7	<1
AQ40	714863,732387	32.5	15.6	11.0	1
AQ41	714990,733066	29.8	15.4	10.9	<1
AQ42	714505,730851	27.2	15.2	10.7	<1
AQ43	714617,731609	24.7	14.7	10.4	<1
AQ44	714725,732068	27.8	15.0	10.6	<1
AQ45	714828,732359	29.7	15.2	10.8	<1
AQ46	713536,730717	26.5	14.9	10.6	<1
AQ47	714870,732659	29.2	15.3	10.8	<1
AQ48	714812,732326	31.5	15.5	10.9	1
AQ49	714640,731615	27.1	15.0	10.6	<1
AQ50	715062,733334	29.7	15.5	10.9	1
AQ51	715029,733201	34.9	15.9	11.2	1
AQ52	714647,731221	30.1	15.3	10.8	<1
AQ53	714875,732403	32.9	15.6	11.0	1
AQ54	714441,730524	24.4	14.7	10.4	<1
AQ55	714671,731166	28.6	15.2	10.7	<1
AQ56	714884,732459	33.6	15.6	11.0	1
AQ57	713506,731503	22.9	14.4	10.3	<1
AQ58	713973,731312	31.1	15.4	10.9	<1
AQ59	715059,733306	29.5	15.5	10.9	<1
AQ60	714896,732869	39.5	16.4	11.5	1
AQ61	714031,731302	26.6	14.8	10.5	<1
AQ62	713385,731413	23.3	14.5	10.3	<1
AQ63	714901,732625	30.2	15.4	10.9	<1
AQ64	714900,732964	27.2	15.0	10.6	<1
AQ65	713399,731387	23.0	14.4	10.3	<1
AQ66	714646,731575	28.1	15.1	10.7	<1
AQ67	714861,732518	29.0	15.2	10.7	<1
AQ68	714563,731741	25.9	14.9	10.6	<1
AQ69	714692,731828	27.1	15.0	10.6	<1
AQ70	714904,732904	32.4	15.5	10.9	<1
AQ71	713665,730965	25.4	14.9	10.5	<1
AQ72	713993,731295	27.5	15.0	10.6	<1
AQ73	713784,731078	26.4	14.9	10.6	<1



AQ74	714582,731767	27.9	15.1	10.7	<1
AQ75	714509,731678	25.1	14.9	10.5	<1
AQ76	714457,730817	24.0	14.7	10.4	<1
AQ77	714578,731776	25.4	14.8	10.5	<1
AQ78	714889,732948	26.4	14.8	10.5	<1
AQ79	714736,732112	30.8	15.3	10.8	<1
AQ80	714676,731743	26.7	15.0	10.6	<1
AQ81	714195,731370	26.7	14.9	10.5	<1
AQ82	713773,731059	26.0	14.9	10.5	<1
AQ83	714677,731754	25.7	14.8	10.5	<1
AQ84	714479,730613	26.0	15.0	10.6	<1
AQ85	714454,730426	26.2	14.9	10.5	<1
AQ86	714741,732128	31.0	15.4	10.9	<1
AQ87	715010,733245	27.1	15.0	10.6	<1
AQ88	714690,731390	25.9	14.9	10.5	<1
AQ89	713775,731409	26.6	14.9	10.5	<1
AQ90	713657,730891	25.8	14.9	10.5	<1
AQ91	714874,732681	32.6	15.7	11.0	1
AQ92	714864,732572	27.8	15.1	10.7	<1
AQ93	714702,731955	27.3	15.1	10.6	<1
AQ94	713279,731328	22.4	14.4	10.2	<1
AQ95	715038,733228	33.1	15.7	11.0	1
AQ96	714656,731384	23.7	14.5	10.3	<1
AQ97	714435,730725	23.7	14.6	10.4	<1
AQ98	714868,732748	35.2	15.9	11.1	1
AQ99	714735,732093	28.4	15.1	10.7	<1
AQ100	714323,731488	24.9	14.8	10.5	<1
AQ101	713610,731580	24.9	14.7	10.4	<1
AQ102	713435,730562	26.1	14.9	10.6	<1
AQ103	714139,731328	25.7	14.8	10.5	<1
AQ104	713462,730663	27.4	15.0	10.6	<1
AQ105	713465,730617	29.0	15.4	10.8	<1
AQ106	714450,730590	25.1	14.8	10.5	<1
AQ107	714719,732045	27.6	15.1	10.6	<1
AQ108	713483,730642	29.4	15.4	10.8	<1
AQ109	714035,731334	27.3	14.9	10.6	<1
AQ110	713707,731028	25.0	14.8	10.5	<1
AQ111	714478,730863	24.0	14.6	10.4	<1
AQ112	714737,732185	26.7	14.9	10.5	<1
AQ113	714115,731313	24.8	14.6	10.4	<1
AQ114	714974,733097	27.9	15.1	10.7	<1
AQ115	713812,731135	28.4	15.2	10.7	<1

AQ116	714691,731277	27.7	15.0	10.6	<1
AQ117	713429,730688	24.5	14.6	10.4	<1
AQ118	713466,730838	22.1	14.3	10.2	<1
AQ119	713539,731528	23.0	14.4	10.3	<1
AQ120	715066,733379	27.7	15.1	10.7	<1
AQ121	714935,732968	28.5	15.2	10.7	<1
AQ122	714060,731306	26.0	14.8	10.5	<1
AQ123	714421,730403	25.5	14.8	10.5	<1
AQ124	714968,733084	30.6	15.5	10.9	<1
AQ125	714948,733049	27.2	15.0	10.6	<1
AQ126	715065,733362	29.2	15.4	10.8	<1
AQ127	714894,732736	34.6	15.8	11.1	1
AQ128	714613,731056	28.0	15.1	10.7	<1
AQ129	714894,732690	31.4	15.6	10.9	1
AQ130	714631,731510	27.5	15.0	10.6	<1
AQ131	715024,733168	32.1	15.5	10.9	1
AQ132	714622,731529	24.3	14.6	10.4	<1
AQ133	713515,730727	28.7	15.2	10.7	<1
AQ134	713623,730839	25.8	14.9	10.5	<1
AQ135	714872,732703	34.2	15.9	11.1	1
AQ136	713859,731292	28.3	15.1	10.7	<1
AQ137	714904,732606	29.0	15.3	10.8	<1
AQ138	713527,730748	28.1	15.1	10.7	<1
AQ139	714381,730243	30.2	15.3	10.8	<1
AQ140	715000,733200	28.9	15.1	10.7	<1
AQ141	713549,731500	23.0	14.4	10.3	<1
AQ142	714702,731895	26.8	15.0	10.6	<1
AQ143	714892,732564	30.2	15.5	10.9	1
AQ144	714997,733092	32.5	15.9	11.1	1
AQ145	714628,731668	25.1	14.7	10.4	<1
AQ146	714457,730458	27.0	15.0	10.6	<1
AQ147	714608,731698	23.9	14.6	10.3	<1
AQ148	714433,730355	28.7	15.3	10.8	<1
AQ149	714666,731294	26.3	14.8	10.5	<1
AQ150	714887,732495	32.9	15.5	10.9	1
AQ151	714866,732799	29.1	15.1	10.7	<1
AQ152	714667,731316	25.8	14.8	10.5	<1
AQ153	713244,731266	21.8	14.3	10.2	1
AQ154	713186,731256	22.2	14.4	10.2	<1
AQ155	714758,732221	27.8	15.0	10.6	<1
AQ156	714462,730661	29.1	15.5	10.9	1
AQ157	714406,730216	33.7	15.6	11.0	1

AQ158	713572,730818	26.7	15.0	10.6	<1
AQ159	714743,732200	26.6	14.9	10.5	<1
AQ160	714980,733043	29.2	15.3	10.8	<1
AQ161	714884,732476	34.0	15.6	11.0	1
AQ162	714617,731865	27.6	15.1	10.6	<1
AQ163	714471,731614	24.2	14.7	10.4	<1
AQ164	713338,731339	22.0	14.3	10.2	<1
AQ165	713425,730890	21.4	14.2	10.1	1
AQ166	714526,730892	27.6	15.2	10.7	<1
AQ167	714300,731452	25.1	14.8	10.5	<1
AQ168	713467,731441	22.7	14.4	10.2	<1
AQ169	714647,731147	27.6	15.1	10.6	<1
AQ170	714633,731178	27.8	15.1	10.6	<1
AQ171	713606,730873	26.0	14.9	10.5	<1
AQ172	714464,730541	27.9	15.2	10.7	<1
AQ173	713515,730683	25.9	14.8	10.5	<1
AQ174	713922,731301	28.3	15.1	10.7	<1
AQ175	714616,731584	25.7	14.8	10.5	<1
AQ176	714453,731606	24.6	14.8	10.4	<1
AQ177	714591,731016	26.1	14.9	10.5	<1
AQ178	713851,731192	28.8	15.2	10.7	<1
AQ179	714760,732156	31.1	15.5	10.9	1
AQ180	714488,731661	24.6	14.8	10.5	<1
AQ181	714866,732787	33.5	15.6	11.0	1
AQ182	714662,731688	27.5	15.0	10.6	<1
AQ183	713431,731445	23.0	14.5	10.3	<1
AQ184	714867,732767	33.9	15.7	11.0	1
AQ185	714546,731682	24.8	14.8	10.5	<1
AQ186	714651,731648	28.1	15.1	10.7	<1
AQ187	714169,731349	26.0	14.8	10.5	<1
AQ188	714457,730738	25.3	14.9	10.5	<1
AQ189	714471,730774	26.7	15.1	10.6	<1
AQ190	714669,731341	25.4	14.7	10.5	<1
AQ191	714786,732212	32.2	15.5	10.9	1
AQ192	714892,732549	30.3	15.5	10.9	<1
AQ193	713923,731263	31.5	15.5	10.9	1
AQ194	715012,733120	31.6	15.5	10.9	1
AQ195	714798,732226	30.0	15.3	10.8	<1
AQ196	713184,731216	21.9	14.3	10.2	<1
AQ197	714505,731633	23.8	14.6	10.4	<1
AQ198	713856,731252	26.1	14.8	10.5	<1
AQ199	714566,730968	28.2	15.2	10.7	<1

AQ200	714432,730761	23.2	14.5	10.3	<1
AQ201	714402,730316	29.9	15.3	10.8	<1
AQ202	714665,731366	24.5	14.7	10.4	<1
AQ203	713755,731433	26.4	14.9	10.5	<1
AQ204	714235,731399	26.2	14.8	10.5	<1
AQ205	713462,730742	23.3	14.5	10.3	<1
AQ206	714700,731943	27.3	15.1	10.6	<1
AQ207	714901,732655	30.8	15.5	10.9	1
AQ208	713345,731378	22.8	14.4	10.3	<1
AQ209	713461,730794	22.5	14.4	10.2	<1
AQ210	714941,733031	27.8	15.1	10.7	<1
AQ211	715031,733358	25.9	14.9	10.5	<1
AQ212	714880,732870	30.1	15.2	10.8	<1
AQ213	714891,732836	30.4	15.3	10.8	<1
AQ214	714874,732846	29.4	15.2	10.7	<1
AQ215	714869,732824	29.1	15.2	10.7	<1
AQ216	714470,730225	25.2	14.7	10.4	<1
AQ217	714900,733228	23.0	14.4	10.2	<1
AQ218	714854,732989	23.5	14.5	10.3	<1
AQ219	714651,731485	26.9	15.0	10.6	<1
AQ220	714775,731435	22.0	14.3	10.2	<1
AQ221	714669,731433	26.1	14.9	10.5	<1
AQ222	714779,732682	27.5	15.1	10.6	<1
AQ223	715184,733083	22.7	14.4	10.2	<1
AQ224	714796,733117	22.0	14.3	10.2	1
AQ225	714904,732997	25.9	14.8	10.5	<1
AQ226	714911,733502	29.1	15.2	10.7	<1
AQ227	714171,731536	21.6	14.2	10.1	1
AQ228	713866,731501	21.8	14.3	10.2	1
AQ229	714044,731432	22.1	14.3	10.2	<1
AQ230	713698,731532	24.5	14.7	10.4	<1
AQ231	715149,733205	23.3	14.4	10.3	<1
AQ232	714983,733313	23.4	14.5	10.3	<1
AQ233	714991,733335	23.6	14.5	10.3	<1
AQ234	714401,730051	23.2	14.5	10.3	<1
AQ235	715212,733160	23.3	14.4	10.3	<1
AQ236	714470,730050	21.6	14.3	10.2	1
AQ237	714522,731140	22.1	14.3	10.2	<1
AQ238	714550,730143	21.4	14.2	10.1	1
AQ239	714784,732271	28.5	15.1	10.7	<1
AQ240	715157,733127	23.1	14.4	10.3	<1
AQ241	714829,733197	22.1	14.3	10.2	<1

AQ242	715143,733065	22.8	14.4	10.2	<1
AQ243	714391,730456	22.2	14.3	10.2	<1
AQ244	714958,733192	24.2	14.5	10.3	<1
AQ245	713878,731005	21.3	14.2	10.1	1
AQ246	715066,733532	28.4	15.1	10.6	<1
AQ247	713607,731642	32.2	15.9	11.2	1
AQ248	714580,730783	21.5	14.3	10.2	1
AQ249	714870,733078	23.0	14.4	10.2	<1
AQ250	714579,730800	21.5	14.3	10.2	1
AQ251	715206,733206	23.2	14.4	10.3	<1
AQ252	714894,733434	23.4	14.5	10.3	<1
AQ253	714904,733139	23.0	14.4	10.3	<1
AQ254	714346,731575	23.8	14.6	10.4	<1
AQ255	714868,733079	22.9	14.4	10.2	<1
AQ256	714540,731789	22.3	14.4	10.2	<1
AQ257	714604,732118	21.8	14.3	10.2	1
AQ258	715117,733489	26.8	14.9	10.5	<1
AQ259	714602,732153	21.7	14.3	10.2	1
AQ260	714637,732148	22.1	14.3	10.2	<1
AQ261	714576,732109	21.6	14.2	10.1	1
AQ262	714861,733426	23.2	14.4	10.3	<1
AQ263	714728,732614	23.5	14.5	10.3	<1
AQ264	714430,730599	22.5	14.4	10.2	<1
AQ265	714351,730502	21.4	14.2	10.1	1
AQ266	715513,733190	25.3	14.8	10.5	<1
AQ267	715392,733327	27.9	15.1	10.7	<1
AQ268	714828,733929	29.9	15.3	10.8	<1
AQ269	715446,733557	25.6	14.7	10.4	<1
AQ270	713762,732081	26.4	14.9	10.6	<1
AQ271	712834,729291	22.2	14.4	10.2	<1
AQ272	712830,729561	24.1	14.7	10.4	<1
AQ273	712825,729683	23.7	14.6	10.3	<1
AQ274	712935,729936	23.6	14.6	10.4	<1
AQ275	713012,730172	24.6	14.7	10.4	<1
AQ276	712923,730047	23.2	14.5	10.3	<1
AQ277	713183,730162	21.4	14.2	10.1	1
AQ278	713234,730383	26.5	15.1	10.7	<1
AQ279	713545,730398	23.2	14.6	10.3	<1
AQ280	713145,730472	25.4	14.9	10.5	<1
AQ281	712773,730544	22.6	14.5	10.3	<1
AQ282	712695,730717	22.5	14.4	10.2	<1
AQ283	712476,730711	23.8	14.7	10.4	<1

AQ284	712287,730784	23.1	14.6	10.3	<1
AQ285	711951,730540	23.6	14.6	10.3	<1
AQ286	711916,730448	23.0	14.4	10.3	<1
AQ287	711958,729930	22.9	14.4	10.3	<1
AQ288	711957,729797	27.1	14.9	10.5	<1
AQ289	712477,731272	24.1	14.6	10.4	<1
AQ290	712692,731285	23.4	14.5	10.3	<1
AQ291	712813,731610	25.9	14.9	10.5	<1
AQ292	712753,731733	24.5	14.7	10.4	<1
AQ293	712961,731853	24.1	14.6	10.4	<1
AQ294	713203,731880	25.7	14.8	10.5	<1
AQ295	713383,731921	25.2	14.7	10.4	<1
AQ296	713637,732043	25.8	14.8	10.5	<1
AQ297	713686,732023	24.6	14.7	10.4	<1
AQ298	714203,732296	24.2	14.6	10.4	<1
AQ299	714350,732636	30.8	15.4	10.9	<1
AQ300	714276,732491	27.0	15.0	10.6	<1
AQ301	714493,732465	27.4	15.0	10.6	<1
AQ302	714247,732344	24.3	14.6	10.4	<1
AQ303	714494,732594	30.1	15.6	10.9	1
AQ304	714656,732661	29.5	15.4	10.9	<1
AQ305	711878,730929	20.3	14.1	10.0	1
AQ306	712035,730672	26.0	14.9	10.6	<1
AQ307	712882,731018	21.7	14.3	10.2	1
AQ308	713001,731076	21.8	14.3	10.2	<1
AQ309	713177,730833	21.1	14.2	10.1	1
AQ310	713300,730682	21.7	14.3	10.2	1
AQ311	713076,731039	21.2	14.2	10.1	1
AQ312	712679,730262	21.7	14.3	10.2	<1
AQ313	712288,730087	22.0	14.4	10.2	<1
AQ314	712449,730136	21.7	14.3	10.2	1
AQ315	712550,730226	22.0	14.3	10.2	<1
AQ316	711929,730110	23.2	14.5	10.3	<1
AQ317	712173,730985	26.1	14.9	10.5	<1
AQ318	712278,731108	25.8	14.8	10.5	<1
AQ319	713400,731673	21.4	14.2	10.1	1
AQ320	713375,731592	21.4	14.2	10.1	1
AQ321	713342,731482	21.6	14.2	10.1	1
AQ322	713122,732231	23.5	14.5	10.3	<1
AQ323	715343,732445	29.3	15.3	10.8	<1
AQ324	715613,732231	27.1	14.9	10.6	<1
AQ325	715599,732408	28.0	15.1	10.7	<1

AQ326	715504,732462	27.8	15.0	10.6	<1
AQ327	715622,732344	26.5	14.9	10.5	<1
AQ328	715598,732073	26.5	15.0	10.6	<1
AQ329	715546,731804	27.9	15.2	10.7	<1
AQ330	715534,731666	28.9	15.2	10.7	<1
AQ331	715419,731464	25.5	14.8	10.5	<1
AQ332	715233,731418	22.8	14.4	10.3	<1
AQ333	715269,731204	22.7	14.5	10.3	<1
AQ334	715164,730795	23.6	14.6	10.4	<1
AQ335	715185,730998	22.9	14.5	10.3	<1
AQ336	714946,730609	25.2	14.8	10.5	<1
AQ337	715058,730627	26.2	15.0	10.6	<1
AQ338	714837,730868	24.8	14.7	10.4	<1
AQ339	715013,730353	25.0	14.7	10.4	<1
AQ340	715045,731678	22.2	14.3	10.2	<1
AQ341	715503,732643	24.5	14.6	10.4	<1
AQ342	715426,732712	24.4	14.6	10.3	<1
AQ343	715298,732767	30.2	15.3	10.8	<1
AQ344	715152,732719	25.0	14.7	10.4	<1
AQ345	715330,732943	27.3	14.9	10.6	<1
AQ346	715295,733027	25.0	14.7	10.4	<1
AQ347	715304,733142	26.8	14.9	10.5	<1
AQ348	715455,733079	25.6	14.7	10.4	<1
AQ349	715266,733282	26.7	14.8	10.5	<1
AQ350	715242,733567	27.6	15.0	10.6	<1
AQ351	715222,733638	27.9	15.0	10.6	<1
AQ352	715066,733666	32.9	15.7	11.0	1
AQ353	715064,733766	41.1	16.6	11.6	1
AQ354	715089,733811	29.4	15.2	10.7	<1
AQ355	715144,733796	27.4	14.9	10.6	<1
AQ356	715037,733816	32.0	15.7	11.0	1
AQ357	715042,734066	31.1	15.2	10.7	<1
AQ358	715015,733947	36.0	16.1	11.3	1
AQ359	715491,733531	32.9	16.0	11.2	1
AQ360	715496,733403	28.5	15.3	10.8	<1
AQ361	713966,733104	31.1	15.7	11.0	1
AQ362	714005,731184	25.5	14.8	10.5	<1
AQ363	714014,731146	23.7	14.6	10.4	<1
AQ364	714421,729771	26.7	15.0	10.6	<1
AQ365	714361,729895	24.0	14.5	10.3	<1
AQ366	713955,729748	22.2	14.4	10.2	<1
AQ367	714088,729926	26.0	14.9	10.6	<1

AQ368	714120,730001	24.0	14.6	10.4	<1
<b>Air Quality Limit Value Objective</b>		<b>40</b>	<b>40</b>	<b>25</b>	<b>35</b>

In the cumulative 2028 DM scenario are annual mean concentrations of NO<sub>2</sub> are above the relevant national air quality limit value objective in some areas; one exceedance was modelled at a receptor on the R137 Patrick St. Annual mean NO<sub>2</sub> concentrations did not exceed 60µg/m<sup>3</sup>, indicating that exceedances of the NO<sub>2</sub> 1-hour mean are unlikely to occur. Annual mean PM<sub>10</sub> 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<sub>10</sub> concentration indicated that there is likely to be no more than one exceedance of the 50µg/m<sup>3</sup> ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean PM<sub>2.5</sub> concentrations are also below the relevant national air quality limit value limit value objectives for all modelled receptors.

## 2.2 'Do Something' Scenario

Predicted annual mean concentrations of NO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub> and the number of exceedances of the 24-hour PM<sub>10</sub> objective, at all modelled existing air quality sensitive receptors in the cumulative 2028 DS scenario are listed in



Table 2.2. Locations of these receptors are shown in Figures 7.3 – 7.5 in Volume 3 of this EIAR.

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

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m <sup>3</sup> )			No of PM <sub>10</sub> days > 50 µg/m <sup>3</sup>
		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>	
AQ1	714694,732079	27.9	15.0	10.6	<1
AQ2	714622,731901	22.7	14.4	10.3	<1
AQ3	714695,731230	28.4	15.1	10.7	<1
AQ4	714701,732093	29.7	15.2	10.7	<1
AQ5	714696,731196	28.3	15.1	10.7	<1
AQ6	714686,732061	25.9	14.8	10.5	<1
AQ7	714674,732024	24.8	14.7	10.4	<1
AQ8	714708,732110	30.3	15.3	10.8	<1
AQ9	714636,731935	23.0	14.5	10.3	<1
AQ10	714290,731501	22.0	14.3	10.2	<1
AQ11	714448,730655	23.8	14.6	10.4	<1
AQ12	713607,731542	26.4	14.9	10.5	<1
AQ13	714655,731245	30.8	15.4	10.8	<1
AQ14	714429,730691	23.7	14.6	10.4	<1
AQ15	715025,733278	25.6	14.8	10.5	<1
AQ16	715050,733269	28.6	15.3	10.8	<1
AQ17	714655,731996	23.3	14.5	10.3	<1
AQ18	714470,731645	22.1	14.4	10.2	<1
AQ19	714667,732007	23.7	14.6	10.3	<1
AQ20	713416,730719	21.9	14.3	10.2	1
AQ21	714654,731516	30.7	15.3	10.8	<1
AQ22	714447,731631	22.1	14.4	10.2	<1
AQ23	713473,730896	21.2	14.2	10.1	1
AQ24	714384,731563	23.8	14.6	10.3	<1
AQ25	714547,730932	28.2	15.2	10.7	<1
AQ26	714704,731911	28.2	15.2	10.7	<1
AQ27	714419,730308	28.8	15.0	10.6	<1
AQ28	714402,731576	24.0	14.6	10.4	<1
AQ29	713895,731251	27.4	15.0	10.6	<1
AQ30	714645,731121	27.5	15.1	10.7	<1
AQ31	713870,731222	24.9	14.7	10.4	<1
AQ32	714892,732707	33.9	15.6	11.0	1
AQ33	713597,730798	22.6	14.4	10.3	<1
AQ34	714356,731539	22.7	14.4	10.3	<1
AQ35	714658,731410	25.7	14.8	10.5	<1
AQ36	714851,732357	30.1	15.3	10.8	<1
AQ37	713630,730905	23.1	14.5	10.3	<1

AQ38	713799,731384	27.2	15.0	10.6	<1
AQ39	714657,731426	30.9	15.6	10.9	1
AQ40	714863,732387	30.9	15.4	10.9	<1
AQ41	714990,733066	28.7	15.3	10.8	<1
AQ42	714505,730851	27.1	15.1	10.7	<1
AQ43	714617,731609	27.1	14.8	10.5	<1
AQ44	714725,732068	27.4	15.0	10.6	<1
AQ45	714828,732359	28.5	15.1	10.7	<1
AQ46	713536,730717	23.3	14.5	10.3	<1
AQ47	714870,732659	28.7	15.1	10.6	<1
AQ48	714812,732326	30.8	15.4	10.9	<1
AQ49	714640,731615	31.3	15.3	10.8	<1
AQ50	715062,733334	28.0	15.2	10.7	<1
AQ51	715029,733201	30.8	15.4	10.8	<1
AQ52	714647,731221	32.6	15.6	11.0	1
AQ53	714875,732403	30.6	15.4	10.8	<1
AQ54	714441,730524	24.1	14.6	10.4	<1
AQ55	714671,731166	30.3	15.4	10.8	<1
AQ56	714884,732459	29.9	15.2	10.8	<1
AQ57	713506,731503	25.4	14.8	10.5	<1
AQ58	713973,731312	27.0	14.9	10.5	<1
AQ59	715059,733306	28.0	15.2	10.7	<1
AQ60	714896,732869	35.9	15.8	11.1	1
AQ61	714031,731302	24.2	14.6	10.3	<1
AQ62	713385,731413	25.4	14.8	10.5	<1
AQ63	714901,732625	29.5	15.2	10.7	<1
AQ64	714900,732964	26.1	14.8	10.5	<1
AQ65	713399,731387	25.2	14.8	10.5	<1
AQ66	714646,731575	33.0	15.5	10.9	1
AQ67	714861,732518	27.1	15.0	10.6	<1
AQ68	714563,731741	22.9	14.5	10.3	<1
AQ69	714692,731828	29.1	15.3	10.8	<1
AQ70	714904,732904	30.8	15.2	10.7	<1
AQ71	713665,730965	22.7	14.5	10.3	<1
AQ72	713993,731295	25.0	14.7	10.4	<1
AQ73	713784,731078	23.4	14.5	10.3	<1
AQ74	714582,731767	24.0	14.6	10.3	<1
AQ75	714509,731678	22.2	14.4	10.2	<1
AQ76	714457,730817	23.9	14.6	10.4	<1
AQ77	714578,731776	23.0	14.4	10.3	<1
AQ78	714889,732948	25.7	14.7	10.4	<1
AQ79	714736,732112	30.0	15.2	10.7	<1

AQ80	714676,731743	30.1	15.3	10.8	<1
AQ81	714195,731370	23.6	14.5	10.3	<1
AQ82	713773,731059	23.2	14.5	10.3	<1
AQ83	714677,731754	28.3	15.1	10.7	<1
AQ84	714479,730613	25.9	15.0	10.6	<1
AQ85	714454,730426	25.6	14.8	10.5	<1
AQ86	714741,732128	31.3	15.4	10.8	<1
AQ87	715010,733245	26.1	14.8	10.5	<1
AQ88	714690,731390	27.9	15.1	10.7	<1
AQ89	713775,731409	27.3	15.0	10.6	<1
AQ90	713657,730891	23.1	14.5	10.3	<1
AQ91	714874,732681	31.9	15.4	10.8	<1
AQ92	714864,732572	26.2	14.9	10.5	<1
AQ93	714702,731955	28.3	15.2	10.7	<1
AQ94	713279,731328	25.2	14.8	10.5	<1
AQ95	715038,733228	29.7	15.3	10.8	<1
AQ96	714656,731384	24.8	14.7	10.4	<1
AQ97	714435,730725	23.6	14.6	10.4	<1
AQ98	714868,732748	34.7	15.6	11.0	1
AQ99	714735,732093	27.7	15.0	10.6	<1
AQ100	714323,731488	22.6	14.4	10.3	<1
AQ101	713610,731580	27.5	15.1	10.6	<1
AQ102	713435,730562	23.1	14.5	10.3	<1
AQ103	714139,731328	23.5	14.5	10.3	<1
AQ104	713462,730663	24.7	14.6	10.4	<1
AQ105	713465,730617	24.6	14.7	10.4	<1
AQ106	714450,730590	24.9	14.8	10.5	<1
AQ107	714719,732045	27.5	15.1	10.7	<1
AQ108	713483,730642	24.4	14.6	10.4	<1
AQ109	714035,731334	24.6	14.6	10.4	<1
AQ110	713707,731028	22.6	14.4	10.3	<1
AQ111	714478,730863	23.7	14.6	10.4	<1
AQ112	714737,732185	27.0	14.8	10.5	<1
AQ113	714115,731313	23.1	14.4	10.3	<1
AQ114	714974,733097	26.8	15.0	10.6	<1
AQ115	713812,731135	24.2	14.6	10.4	<1
AQ116	714691,731277	29.6	15.2	10.8	<1
AQ117	713429,730688	23.2	14.4	10.3	<1
AQ118	713466,730838	21.3	14.2	10.1	1
AQ119	713539,731528	25.5	14.8	10.5	<1
AQ120	715066,733379	26.4	14.9	10.5	<1
AQ121	714935,732968	27.3	15.0	10.6	<1

AQ122	714060,731306	23.8	14.5	10.3	<1
AQ123	714421,730403	25.0	14.7	10.4	<1
AQ124	714968,733084	28.6	15.2	10.7	<1
AQ125	714948,733049	26.3	14.9	10.5	<1
AQ126	715065,733362	27.6	15.1	10.7	<1
AQ127	714894,732736	35.4	15.7	11.1	1
AQ128	714613,731056	28.1	15.2	10.7	<1
AQ129	714894,732690	31.4	15.3	10.8	<1
AQ130	714631,731510	31.4	15.4	10.8	<1
AQ131	715024,733168	29.7	15.3	10.8	<1
AQ132	714622,731529	26.4	14.8	10.5	<1
AQ133	713515,730727	23.7	14.6	10.3	<1
AQ134	713623,730839	22.6	14.4	10.3	<1
AQ135	714872,732703	34.4	15.7	11.0	1
AQ136	713859,731292	27.8	15.0	10.6	<1
AQ137	714904,732606	27.8	15.1	10.7	<1
AQ138	713527,730748	23.4	14.5	10.3	<1
AQ139	714381,730243	28.3	15.0	10.6	<1
AQ140	715000,733200	28.0	15.0	10.6	<1
AQ141	713549,731500	25.6	14.8	10.5	<1
AQ142	714702,731895	28.1	15.2	10.7	<1
AQ143	714892,732564	28.0	15.2	10.7	<1
AQ144	714997,733092	31.2	15.7	11.0	1
AQ145	714628,731668	27.6	14.9	10.6	<1
AQ146	714457,730458	26.6	14.9	10.6	<1
AQ147	714608,731698	24.6	14.6	10.4	<1
AQ148	714433,730355	28.8	15.2	10.7	<1
AQ149	714666,731294	27.9	15.0	10.6	<1
AQ150	714887,732495	29.1	15.1	10.7	<1
AQ151	714866,732799	28.5	15.0	10.6	<1
AQ152	714667,731316	27.3	14.9	10.6	<1
AQ153	713244,731266	23.7	14.6	10.4	<1
AQ154	713186,731256	25.2	14.9	10.5	<1
AQ155	714758,732221	27.9	14.9	10.6	<1
AQ156	714462,730661	28.6	15.4	10.8	<1
AQ157	714406,730216	30.7	15.2	10.7	<1
AQ158	713572,730818	23.0	14.5	10.3	<1
AQ159	714743,732200	26.8	14.8	10.5	<1
AQ160	714980,733043	28.4	15.2	10.7	<1
AQ161	714884,732476	29.7	15.2	10.7	<1
AQ162	714617,731865	23.3	14.5	10.3	<1
AQ163	714471,731614	22.1	14.3	10.2	<1

AQ164	713338,731339	24.0	14.6	10.4	<1
AQ165	713425,730890	21.0	14.2	10.1	1
AQ166	714526,730892	27.4	15.2	10.7	<1
AQ167	714300,731452	22.8	14.5	10.3	<1
AQ168	713467,731441	24.9	14.8	10.5	<1
AQ169	714647,731147	28.1	15.2	10.7	<1
AQ170	714633,731178	28.7	15.2	10.7	<1
AQ171	713606,730873	22.8	14.5	10.3	<1
AQ172	714464,730541	27.9	15.2	10.7	<1
AQ173	713515,730683	22.9	14.4	10.3	<1
AQ174	713922,731301	26.1	14.8	10.5	<1
AQ175	714616,731584	28.9	15.1	10.7	<1
AQ176	714453,731606	22.2	14.4	10.2	<1
AQ177	714591,731016	26.2	14.9	10.5	<1
AQ178	713851,731192	24.5	14.7	10.4	<1
AQ179	714760,732156	32.4	15.5	10.9	<1
AQ180	714488,731661	22.0	14.3	10.2	<1
AQ181	714866,732787	32.0	15.3	10.8	<1
AQ182	714662,731688	31.9	15.4	10.9	<1
AQ183	713431,731445	25.6	14.9	10.5	<1
AQ184	714867,732767	32.8	15.4	10.9	<1
AQ185	714546,731682	22.5	14.4	10.2	<1
AQ186	714651,731648	32.9	15.5	10.9	1
AQ187	714169,731349	23.5	14.5	10.3	<1
AQ188	714457,730738	25.2	14.9	10.5	<1
AQ189	714471,730774	26.4	15.0	10.6	<1
AQ190	714669,731341	26.9	14.9	10.6	<1
AQ191	714786,732212	32.3	15.4	10.9	<1
AQ192	714892,732549	27.8	15.1	10.7	<1
AQ193	713923,731263	30.3	15.3	10.8	<1
AQ194	715012,733120	30.3	15.4	10.9	<1
AQ195	714798,732226	29.9	15.2	10.7	<1
AQ196	713184,731216	23.6	14.6	10.3	<1
AQ197	714505,731633	22.1	14.3	10.2	<1
AQ198	713856,731252	24.2	14.6	10.4	<1
AQ199	714566,730968	28.1	15.2	10.7	<1
AQ200	714432,730761	23.0	14.5	10.3	<1
AQ201	714402,730316	30.4	15.2	10.7	<1
AQ202	714665,731366	25.9	14.8	10.5	<1
AQ203	713755,731433	27.1	15.0	10.6	<1
AQ204	714235,731399	23.5	14.5	10.3	<1
AQ205	713462,730742	21.9	14.3	10.2	<1

AQ206	714700,731943	28.5	15.3	10.8	<1
AQ207	714901,732655	30.5	15.3	10.8	<1
AQ208	713345,731378	25.7	14.9	10.5	<1
AQ209	713461,730794	21.5	14.2	10.1	1
AQ210	714941,733031	26.8	15.0	10.6	<1
AQ211	715031,733358	25.1	14.7	10.4	<1
AQ212	714880,732870	28.4	15.0	10.6	<1
AQ213	714891,732836	28.9	15.1	10.7	<1
AQ214	714874,732846	27.8	15.0	10.6	<1
AQ215	714869,732824	27.8	15.0	10.6	<1
AQ216	714470,730225	23.7	14.5	10.3	<1
AQ217	714900,733228	23.3	14.4	10.3	<1
AQ218	714854,732989	24.1	14.5	10.3	<1
AQ219	714651,731485	29.9	15.3	10.8	<1
AQ220	714775,731435	22.4	14.4	10.2	<1
AQ221	714669,731433	28.2	15.2	10.7	<1
AQ222	714779,732682	27.9	15.1	10.6	<1
AQ223	715184,733083	22.9	14.4	10.2	<1
AQ224	714796,733117	21.9	14.3	10.2	1
AQ225	714904,732997	26.3	14.8	10.5	<1
AQ226	714911,733502	27.9	14.8	10.5	<1
AQ227	714171,731536	21.2	14.2	10.1	1
AQ228	713866,731501	21.8	14.3	10.2	1
AQ229	714044,731432	21.6	14.2	10.2	1
AQ230	713698,731532	25.5	14.8	10.5	<1
AQ231	715149,733205	23.3	14.4	10.3	<1
AQ232	714983,733313	23.1	14.4	10.3	<1
AQ233	714991,733335	23.3	14.4	10.3	<1
AQ234	714401,730051	23.0	14.4	10.2	<1
AQ235	715212,733160	24.0	14.5	10.3	<1
AQ236	714470,730050	21.4	14.2	10.1	1
AQ237	714522,731140	22.3	14.4	10.2	<1
AQ238	714550,730143	21.1	14.2	10.1	1
AQ239	714784,732271	28.1	15.0	10.6	<1
AQ240	715157,733127	23.4	14.4	10.3	<1
AQ241	714829,733197	22.1	14.3	10.2	1
AQ242	715143,733065	22.9	14.4	10.2	<1
AQ243	714391,730456	21.9	14.3	10.2	1
AQ244	714958,733192	24.7	14.6	10.3	<1
AQ245	713878,731005	20.9	14.2	10.1	1
AQ246	715066,733532	26.6	14.8	10.5	<1
AQ247	713607,731642	34.1	16.2	11.3	1

AQ248	714580,730783	21.3	14.2	10.1	1
AQ249	714870,733078	23.1	14.4	10.2	<1
AQ250	714579,730800	21.4	14.2	10.1	1
AQ251	715206,733206	23.5	14.5	10.3	<1
AQ252	714894,733434	23.0	14.4	10.2	<1
AQ253	714904,733139	23.0	14.4	10.2	<1
AQ254	714346,731575	22.1	14.3	10.2	<1
AQ255	714868,733079	23.0	14.4	10.2	<1
AQ256	714540,731789	21.7	14.3	10.2	1
AQ257	714604,732118	21.7	14.2	10.2	1
AQ258	715117,733489	25.2	14.6	10.4	<1
AQ259	714602,732153	21.6	14.2	10.1	1
AQ260	714637,732148	22.0	14.3	10.2	1
AQ261	714576,732109	21.5	14.2	10.1	1
AQ262	714861,733426	22.8	14.4	10.2	<1
AQ263	714728,732614	23.5	14.5	10.3	<1
AQ264	714430,730599	22.3	14.4	10.2	<1
AQ265	714351,730502	21.2	14.2	10.1	1
AQ266	715513,733190	24.0	14.6	10.3	<1
AQ267	715392,733327	26.3	14.9	10.6	<1
AQ268	714828,733929	25.9	14.6	10.4	<1
AQ269	715446,733557	26.1	14.7	10.5	<1
AQ270	713762,732081	27.4	14.9	10.6	<1
AQ271	712834,729291	21.5	14.3	10.2	1
AQ272	712830,729561	22.9	14.5	10.3	<1
AQ273	712825,729683	22.4	14.4	10.2	<1
AQ274	712935,729936	22.4	14.4	10.2	<1
AQ275	713012,730172	23.0	14.5	10.3	<1
AQ276	712923,730047	22.1	14.4	10.2	<1
AQ277	713183,730162	21.4	14.2	10.1	1
AQ278	713234,730383	23.9	14.7	10.4	<1
AQ279	713545,730398	22.7	14.5	10.3	<1
AQ280	713145,730472	24.2	14.6	10.3	<1
AQ281	712773,730544	22.0	14.4	10.2	<1
AQ282	712695,730717	24.4	14.7	10.4	<1
AQ283	712476,730711	24.0	14.7	10.4	<1
AQ284	712287,730784	23.2	14.6	10.4	<1
AQ285	711951,730540	24.6	14.7	10.4	<1
AQ286	711916,730448	23.8	14.6	10.3	<1
AQ287	711958,729930	22.7	14.4	10.3	<1
AQ288	711957,729797	25.7	14.7	10.4	<1
AQ289	712477,731272	24.7	14.7	10.4	<1



AQ290	712692,731285	24.0	14.6	10.4	<1
AQ291	712813,731610	26.5	15.0	10.6	<1
AQ292	712753,731733	24.8	14.7	10.4	<1
AQ293	712961,731853	23.3	14.5	10.3	<1
AQ294	713203,731880	24.1	14.6	10.4	<1
AQ295	713383,731921	22.7	14.4	10.2	<1
AQ296	713637,732043	26.7	14.8	10.5	<1
AQ297	713686,732023	25.3	14.7	10.4	<1
AQ298	714203,732296	24.3	14.6	10.4	<1
AQ299	714350,732636	32.6	15.7	11.0	1
AQ300	714276,732491	27.4	15.0	10.6	<1
AQ301	714493,732465	27.3	15.0	10.6	<1
AQ302	714247,732344	24.4	14.6	10.4	<1
AQ303	714494,732594	31.9	15.8	11.0	1
AQ304	714656,732661	30.3	15.5	10.9	1
AQ305	711878,730929	20.3	14.1	10.1	1
AQ306	712035,730672	27.6	15.2	10.7	<1
AQ307	712882,731018	23.6	14.6	10.4	<1
AQ308	713001,731076	23.7	14.6	10.4	<1
AQ309	713177,730833	21.1	14.2	10.1	1
AQ310	713300,730682	21.4	14.2	10.1	1
AQ311	713076,731039	21.7	14.3	10.2	1
AQ312	712679,730262	21.4	14.3	10.2	1
AQ313	712288,730087	21.4	14.3	10.2	1
AQ314	712449,730136	21.2	14.2	10.1	1
AQ315	712550,730226	21.6	14.3	10.2	1
AQ316	711929,730110	23.8	14.6	10.4	<1
AQ317	712173,730985	26.9	14.9	10.6	<1
AQ318	712278,731108	26.6	14.9	10.5	<1
AQ319	713400,731673	21.7	14.3	10.2	1
AQ320	713375,731592	21.7	14.3	10.2	1
AQ321	713342,731482	22.1	14.3	10.2	<1
AQ322	713122,732231	23.6	14.5	10.3	<1
AQ323	715343,732445	27.4	14.8	10.5	<1
AQ324	715613,732231	22.8	14.4	10.2	<1
AQ325	715599,732408	24.0	14.6	10.3	<1
AQ326	715504,732462	26.2	14.7	10.4	<1
AQ327	715622,732344	22.8	14.5	10.3	<1
AQ328	715598,732073	22.5	14.4	10.3	<1
AQ329	715546,731804	26.2	14.8	10.5	<1
AQ330	715534,731666	27.1	14.9	10.5	<1
AQ331	715419,731464	23.0	14.4	10.3	<1

AQ332	715233,731418	23.4	14.5	10.3	<1
AQ333	715269,731204	21.1	14.2	10.1	1
AQ334	715164,730795	21.4	14.3	10.2	1
AQ335	715185,730998	21.3	14.2	10.1	1
AQ336	714946,730609	25.5	14.8	10.5	<1
AQ337	715058,730627	23.4	14.5	10.3	<1
AQ338	714837,730868	26.4	14.9	10.6	<1
AQ339	715013,730353	24.7	14.6	10.3	<1
AQ340	715045,731678	23.0	14.4	10.3	<1
AQ341	715503,732643	23.3	14.4	10.3	<1
AQ342	715426,732712	24.3	14.5	10.3	<1
AQ343	715298,732767	31.9	15.5	10.9	1
AQ344	715152,732719	25.3	14.8	10.5	<1
AQ345	715330,732943	30.6	15.3	10.8	<1
AQ346	715295,733027	27.3	15.0	10.6	<1
AQ347	715304,733142	30.8	15.4	10.9	<1
AQ348	715455,733079	24.7	14.6	10.4	<1
AQ349	715266,733282	30.2	15.2	10.8	<1
AQ350	715242,733567	29.9	15.3	10.8	<1
AQ351	715222,733638	30.0	15.3	10.8	<1
AQ352	715066,733666	27.7	15.1	10.6	<1
AQ353	715064,733766	31.3	15.3	10.8	<1
AQ354	715089,733811	27.0	14.9	10.5	<1
AQ355	715144,733796	26.0	14.7	10.5	<1
AQ356	715037,733816	27.3	15.0	10.6	<1
AQ357	715042,734066	30.0	15.0	10.6	<1
AQ358	715015,733947	30.3	15.0	10.6	<1
AQ359	715491,733531	29.6	15.5	10.9	1
AQ360	715496,733403	25.6	14.8	10.5	<1
AQ361	713966,733104	29.5	15.5	10.9	1
AQ362	714005,731184	26.4	15.0	10.6	<1
AQ363	714014,731146	24.3	14.7	10.4	<1
AQ364	714421,729771	26.8	15.0	10.6	<1
AQ365	714361,729895	23.7	14.4	10.3	<1
AQ366	713955,729748	21.0	14.2	10.1	1
AQ367	714088,729926	23.0	14.5	10.3	<1
AQ368	714120,730001	22.0	14.3	10.2	<1
<b>Air Quality Limit Value Objective</b>		<b>40</b>	<b>40</b>	<b>25</b>	<b>35</b>

In the cumulative 2028 DS scenario annual mean concentrations of NO<sub>2</sub> are below the relevant national air quality limit value objective at all modelled receptors, which is no change from the DM scenario. Annual mean NO<sub>2</sub> concentrations did not exceed 60µg/m<sup>3</sup>, indicating that exceedances of the NO<sub>2</sub> 1-hour mean are unlikely to occur. Annual mean PM<sub>10</sub> 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<sub>10</sub> concentration indicated that there is likely to be no more than one exceedance of the 50µg/m<sup>3</sup> ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean PM<sub>2.5</sub> 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. (µg/m <sup>3</sup> )			Change in No of PM <sub>10</sub> days > 50 µg/m <sup>3</sup>	Impact on Annual Mean Conc.		
		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>		NO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
AQ1	714694,732079	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ2	714622,731901	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ3	714695,731230	1.0	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ4	714701,732093	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ5	714696,731196	1.0	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ6	714686,732061	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ7	714674,732024	-3.4	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ8	714708,732110	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ9	714636,731935	-2.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ10	714290,731501	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ11	714448,730655	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ12	713607,731542	2.7	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ13	714655,731245	2.3	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ14	714429,730691	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ15	715025,733278	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ16	715050,733269	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ17	714655,731996	-2.0	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ18	714470,731645	-3.1	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ19	714667,732007	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ20	713416,730719	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ21	714654,731516	3.5	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ22	714447,731631	-3.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ23	713473,730896	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ24	714384,731563	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ25	714547,730932	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ26	714704,731911	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ27	714419,730308	0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ28	714402,731576	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ29	713895,731251	-2.1	-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 $\text{PM}_{10}$ days > $50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ30	714645,731121	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ31	713870,731222	-3.9	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ32	714892,732707	0.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ33	713597,730798	-3.1	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ34	714356,731539	-2.4	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ35	714658,731410	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ36	714851,732357	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ37	713630,730905	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ38	713799,731384	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ39	714657,731426	3.4	0.4	0.3	<1	Slight Adverse	Negligible	Negligible
AQ40	714863,732387	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ41	714990,733066	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ42	714505,730851	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ43	714617,731609	2.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ44	714725,732068	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ45	714828,732359	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ46	713536,730717	-3.2	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ47	714870,732659	-0.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ48	714812,732326	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ49	714640,731615	4.2	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ50	715062,733334	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ51	715029,733201	-4.2	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ52	714647,731221	2.5	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ53	714875,732403	-2.3	-0.2	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ54	714441,730524	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ55	714671,731166	1.7	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ56	714884,732459	-3.7	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ57	713506,731503	2.6	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ58	713973,731312	-4.1	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ59	715059,733306	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ60	714896,732869	-3.7	-0.6	-0.4	<1	Moderate Beneficial	Negligible	Negligible
AQ61	714031,731302	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ62	713385,731413	2.1	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ63	714901,732625	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ64	714900,732964	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ65	713399,731387	2.2	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ66	714646,731575	4.9	0.4	0.3	<1	Slight Adverse	Negligible	Negligible
AQ67	714861,732518	-1.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ68	714563,731741	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible

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		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ69	714692,731828	2.0	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ70	714904,732904	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ71	713665,730965	-2.7	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ72	713993,731295	-2.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ73	713784,731078	-3.0	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ74	714582,731767	-3.8	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ75	714509,731678	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ76	714457,730817	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ77	714578,731776	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ78	714889,732948	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ79	714736,732112	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ80	714676,731743	3.4	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ81	714195,731370	-3.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ82	713773,731059	-2.8	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ83	714677,731754	2.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ84	714479,730613	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ85	714454,730426	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ86	714741,732128	0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ87	715010,733245	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ88	714690,731390	2.0	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ89	713775,731409	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ90	713657,730891	-2.7	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ91	714874,732681	-0.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ92	714864,732572	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ93	714702,731955	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ94	713279,731328	2.8	0.5	0.3	<1	Negligible	Negligible	Negligible
AQ95	715038,733228	-3.4	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ96	714656,731384	1.1	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ97	714435,730725	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ98	714868,732748	-0.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ99	714735,732093	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ100	714323,731488	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ101	713610,731580	2.6	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ102	713435,730562	-3.1	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ103	714139,731328	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ104	713462,730663	-2.7	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ105	713465,730617	-4.4	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ106	714450,730590	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ107	714719,732045	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible

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		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ108	713483,730642	-5.1	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ109	714035,731334	-2.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ110	713707,731028	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ111	714478,730863	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ112	714737,732185	0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ113	714115,731313	-1.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ114	714974,733097	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ115	713812,731135	-4.1	-0.6	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ116	714691,731277	1.9	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ117	713429,730688	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ118	713466,730838	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ119	713539,731528	2.5	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ120	715066,733379	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ121	714935,732968	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ122	714060,731306	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ123	714421,730403	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ124	714968,733084	-2.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ125	714948,733049	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ126	715065,733362	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ127	714894,732736	0.8	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ128	714613,731056	0.1	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ129	714894,732690	-0.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ130	714631,731510	3.9	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ131	715024,733168	-2.4	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ132	714622,731529	2.0	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ133	713515,730727	-5.0	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ134	713623,730839	-3.2	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ135	714872,732703	0.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ136	713859,731292	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ137	714904,732606	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ138	713527,730748	-4.7	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ139	714381,730243	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ140	715000,733200	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ141	713549,731500	2.7	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ142	714702,731895	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ143	714892,732564	-2.2	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ144	714997,733092	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ145	714628,731668	2.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ146	714457,730458	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible

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		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ147	714608,731698	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ148	714433,730355	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ149	714666,731294	1.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ150	714887,732495	-3.8	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ151	714866,732799	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ152	714667,731316	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ153	713244,731266	1.9	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ154	713186,731256	2.9	0.5	0.3	<1	Negligible	Negligible	Negligible
AQ155	714758,732221	0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ156	714462,730661	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ157	714406,730216	-3.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ158	713572,730818	-3.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ159	714743,732200	0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ160	714980,733043	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ161	714884,732476	-4.3	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ162	714617,731865	-4.3	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ163	714471,731614	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ164	713338,731339	2.0	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ165	713425,730890	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ166	714526,730892	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ167	714300,731452	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ168	713467,731441	2.2	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ169	714647,731147	0.5	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ170	714633,731178	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ171	713606,730873	-3.2	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ172	714464,730541	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ173	713515,730683	-3.0	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ174	713922,731301	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ175	714616,731584	3.2	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ176	714453,731606	-2.4	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ177	714591,731016	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ178	713851,731192	-4.3	-0.6	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ179	714760,732156	1.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ180	714488,731661	-2.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ181	714866,732787	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ182	714662,731688	4.4	0.4	0.2	<1	Slight Adverse	Negligible	Negligible
AQ183	713431,731445	2.5	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ184	714867,732767	-1.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ185	714546,731682	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible



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		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ186	714651,731648	4.7	0.4	0.3	<1	Slight Adverse	Negligible	Negligible
AQ187	714169,731349	-2.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ188	714457,730738	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ189	714471,730774	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ190	714669,731341	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ191	714786,732212	0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ192	714892,732549	-2.5	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ193	713923,731263	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ194	715012,733120	-1.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ195	714798,732226	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ196	713184,731216	1.7	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ197	714505,731633	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ198	713856,731252	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ199	714566,730968	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ200	714432,730761	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ201	714402,730316	0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ202	714665,731366	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ203	713755,731433	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ204	714235,731399	-2.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ205	713462,730742	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ206	714700,731943	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ207	714901,732655	-0.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ208	713345,731378	3.0	0.5	0.3	<1	Negligible	Negligible	Negligible
AQ209	713461,730794	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ210	714941,733031	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ211	715031,733358	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ212	714880,732870	-1.6	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ213	714891,732836	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ214	714874,732846	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ215	714869,732824	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ216	714470,730225	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ217	714900,733228	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ218	714854,732989	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ219	714651,731485	3.0	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ220	714775,731435	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ221	714669,731433	2.1	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ222	714779,732682	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ223	715184,733083	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ224	714796,733117	<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 $\text{PM}_{10}$ days > $50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ225	714904,732997	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ226	714911,733502	-1.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ227	714171,731536	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ228	713866,731501	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ229	714044,731432	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ230	713698,731532	1.0	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ231	715149,733205	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ232	714983,733313	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ233	714991,733335	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ234	714401,730051	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ235	715212,733160	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ236	714470,730050	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ237	714522,731140	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ238	714550,730143	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ239	714784,732271	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ240	715157,733127	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ241	714829,733197	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ242	715143,733065	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ243	714391,730456	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ244	714958,733192	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ245	713878,731005	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ246	715066,733532	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ247	713607,731642	2.0	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ248	714580,730783	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ249	714870,733078	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ250	714579,730800	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ251	715206,733206	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ252	714894,733434	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ253	714904,733139	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ254	714346,731575	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ255	714868,733079	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ256	714540,731789	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ257	714604,732118	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ258	715117,733489	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ259	714602,732153	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ260	714637,732148	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ261	714576,732109	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ262	714861,733426	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ263	714728,732614	<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 $\text{PM}_{10}$ days > $50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ264	714430,730599	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ265	714351,730502	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ266	715513,733190	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ267	715392,733327	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ268	714828,733929	-4.1	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ269	715446,733557	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ270	713762,732081	1.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ271	712834,729291	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ272	712830,729561	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ273	712825,729683	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ274	712935,729936	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ275	713012,730172	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ276	712923,730047	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ277	713183,730162	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ278	713234,730383	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ279	713545,730398	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ280	713145,730472	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ281	712773,730544	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ282	712695,730717	2.0	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ283	712476,730711	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ284	712287,730784	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ285	711951,730540	1.0	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ286	711916,730448	0.8	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ287	711958,729930	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ288	711957,729797	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ289	712477,731272	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ290	712692,731285	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ291	712813,731610	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ292	712753,731733	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ293	712961,731853	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ294	713203,731880	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ295	713383,731921	-2.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ296	713637,732043	0.9	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ297	713686,732023	0.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ298	714203,732296	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ299	714350,732636	1.8	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ300	714276,732491	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ301	714493,732465	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ302	714247,732344	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 $\text{PM}_{10}$ days > $50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ303	714494,732594	1.8	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ304	714656,732661	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ305	711878,730929	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ306	712035,730672	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ307	712882,731018	1.9	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ308	713001,731076	1.9	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ309	713177,730833	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ310	713300,730682	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ311	713076,731039	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ312	712679,730262	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ313	712288,730087	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ314	712449,730136	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ315	712550,730226	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ316	711929,730110	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ317	712173,730985	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ318	712278,731108	0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ319	713400,731673	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ320	713375,731592	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ321	713342,731482	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ322	713122,732231	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ323	715343,732445	-1.9	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ324	715613,732231	-4.4	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ325	715599,732408	-4.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ326	715504,732462	-1.6	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ327	715622,732344	-3.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ328	715598,732073	-4.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ329	715546,731804	-1.7	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ330	715534,731666	-1.8	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ331	715419,731464	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ332	715233,731418	0.7	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ333	715269,731204	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ334	715164,730795	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ335	715185,730998	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ336	714946,730609	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ337	715058,730627	-2.8	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ338	714837,730868	1.6	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ339	715013,730353	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ340	715045,731678	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ341	715503,732643	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ( $\mu\text{g}/\text{m}^3$ )			Change in No of $\text{PM}_{10}$ days > $50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$		$\text{NO}_2$	$\text{PM}_{10}$	$\text{PM}_{2.5}$
AQ342	715426,732712	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ343	715298,732767	1.7	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ344	715152,732719	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ345	715330,732943	3.3	0.4	0.3	<1	Slight Adverse	Negligible	Negligible
AQ346	715295,733027	2.3	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ347	715304,733142	4.0	0.5	0.3	<1	Slight Adverse	Negligible	Negligible
AQ348	715455,733079	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ349	715266,733282	3.5	0.4	0.3	<1	Slight Adverse	Negligible	Negligible
AQ350	715242,733567	2.3	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ351	715222,733638	2.1	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ352	715066,733666	-5.2	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ353	715064,733766	-9.9	-1.2	-0.8	<1	Substantial Beneficial	Negligible	Negligible
AQ354	715089,733811	-2.4	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ355	715144,733796	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ356	715037,733816	-4.8	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ357	715042,734066	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ358	715015,733947	-5.7	-1.0	-0.6	<1	Moderate Beneficial	Negligible	Negligible
AQ359	715491,733531	-3.3	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ360	715496,733403	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ361	713966,733104	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ362	714005,731184	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ363	714014,731146	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ364	714421,729771	0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ365	714361,729895	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ366	713955,729748	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ367	714088,729926	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ368	714120,730001	-2.1	-0.3	-0.2	<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  $\text{NO}_2$  concentration. A slightly beneficial impact is estimated at 25 receptors, a moderate beneficial impact at 2 receptors and a substantial beneficial impact at one receptor. All beneficial impacts are modelled along the Proposed Scheme. A slight adverse impact is expected at 14 receptors. The Proposed Scheme is overall neutral in terms of annual mean  $\text{PM}_{10}$  and  $\text{PM}_{2.5}$  concentrations, with all receptors experiencing a negligible impact.



**Údarás Náisiúnta Iompair**  
National Transport Authority

National Transport Authority  
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