



Appendix A21.3
Air Quality Cumulative
Modelling Results

Contents

Appendix A21.3: Air Quality Cumulative Modelling Results.....	1
1. Construction Traffic Assessment.....	1
1.1 'Do Minimum' Scenario.....	1
1.2 'Do Something' Scenario.....	13
1.3 Comparison of Do Something with Do Minimum	25
2. Operational Traffic Assessment	37
2.1 'Do Minimum' Scenario.....	37
2.2 'Do Something' Scenario.....	49
2.3 Comparison of Do Something with Do Minimum	61

Appendix A21.3: Air Quality Cumulative Modelling Results

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

1. Construction Traffic Assessment

1.1 'Do Minimum' Scenario

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

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

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No of PM ₁₀ days > 50 µg/m ³³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713494,735835	30.2	15.7	15.0	1
AQ2	712077,736576	28.0	15.1	14.7	<1
AQ3	713631,735750	26.4	15.1	14.7	<1
AQ4	713642,735733	27.4	15.3	14.8	<1
AQ5	712107,736568	27.3	15.0	14.6	<1
AQ6	713725,735622	25.9	15.0	14.6	<1
AQ7	714379,734737	33.3	15.8	15.2	1
AQ8	713718,735674	27.9	15.4	14.8	<1
AQ9	713636,735685	25.4	14.9	14.6	<1
AQ10	714400,734722	38.9	16.6	15.7	1
AQ11	713662,735659	24.8	14.8	14.5	<1
AQ12	713830,735544	28.7	15.4	14.9	<1
AQ13	712286,736441	23.8	14.5	14.3	<1
AQ14	714378,734710	32.8	15.8	15.1	1
AQ15	714410,734556	33.3	15.9	15.2	1
AQ16	712253,736459	23.9	14.6	14.3	<1
AQ17	713884,735539	28.8	15.4	14.8	<1
AQ18	713603,735708	25.2	14.9	14.5	<1
AQ19	711001,737269	22.5	14.5	14.3	<1
AQ20	710726,737182	23.1	14.6	14.4	<1
AQ21	714029,735222	38.7	16.9	15.8	1
AQ22	712384,736436	27.0	15.0	14.6	<1
AQ23	714358,734445	34.3	16.0	15.2	1
AQ24	714399,734572	34.5	16.3	15.4	1
AQ25	714332,734823	34.4	16.1	15.3	1
AQ26	714004,735242	28.4	15.3	14.8	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$ ³³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ27	713987,735284	34.0	16.1	15.3	1
AQ28	712934,736097	23.1	14.5	14.3	<1
AQ29	714347,734803	36.4	16.3	15.5	1
AQ30	712360,736450	26.7	14.9	14.6	<1
AQ31	714021,735199	28.5	15.3	14.8	<1
AQ32	712408,736425	26.6	14.9	14.6	<1
AQ33	711775,736693	26.3	15.0	14.6	<1
AQ34	714394,734458	33.4	15.9	15.2	1
AQ35	713996,735298	32.0	15.8	15.1	1
AQ36	713973,735329	34.2	16.2	15.3	1
AQ37	714423,734521	31.0	15.5	15.0	1
AQ38	713967,735400	31.4	15.7	15.0	1
AQ39	714526,734396	35.3	16.1	15.3	1
AQ40	714520,734385	34.6	15.9	15.2	1
AQ41	711653,736755	27.0	15.1	14.7	<1
AQ42	711636,736764	26.9	15.1	14.7	<1
AQ43	714381,734400	43.5	16.9	15.8	1
AQ44	714380,734413	41.9	17.0	15.9	1
AQ45	714362,734427	37.9	16.5	15.6	1
AQ46	714503,734359	35.4	15.9	15.2	1
AQ47	708137,738735	27.3	15.6	15.0	1
AQ48	714509,734396	33.1	15.8	15.1	1
AQ49	714118,735045	27.7	15.1	14.7	<1
AQ50	714516,734358	36.7	16.1	15.3	1
AQ51	714458,734374	33.5	15.8	15.1	1
AQ52	714389,734384	37.4	16.0	15.3	1
AQ53	711682,736741	26.7	15.0	14.6	<1
AQ54	714473,734387	32.6	15.7	15.1	1
AQ55	714348,734390	35.5	15.9	15.2	1
AQ56	711669,736748	26.6	15.0	14.6	<1
AQ57	714411,734396	36.8	16.1	15.3	1
AQ58	711714,736674	23.6	14.6	14.4	<1
AQ59	714228,734948	28.5	15.2	14.8	<1
AQ60	711715,736722	27.0	15.1	14.7	<1
AQ61	711663,736700	23.5	14.6	14.3	<1
AQ62	711677,736693	23.5	14.6	14.3	<1
AQ63	714287,734914	34.1	16.0	15.3	1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$ ³³
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ64	712403,736380	23.9	14.6	14.4	<1
AQ65	712387,736388	23.9	14.6	14.3	<1
AQ66	714289,734860	28.7	15.3	14.8	<1
AQ67	714353,734371	40.5	16.4	15.5	1
AQ68	712427,736368	24.0	14.6	14.4	<1
AQ69	712542,736353	27.1	15.0	14.6	<1
AQ70	712484,736342	24.8	14.7	14.4	<1
AQ71	714295,734899	34.6	16.1	15.3	1
AQ72	714411,734363	34.7	15.9	15.2	1
AQ73	714438,734330	39.3	16.6	15.6	1
AQ74	714044,735196	37.7	16.7	15.7	1
AQ75	712563,736340	27.8	15.1	14.7	<1
AQ76	708401,738533	29.9	16.1	15.3	1
AQ77	714058,735176	36.7	16.5	15.6	1
AQ78	712350,736408	23.9	14.6	14.3	<1
AQ79	714059,735131	26.5	15.0	14.6	<1
AQ80	712487,736389	25.7	14.8	14.5	<1
AQ81	714527,734413	35.3	16.1	15.3	1
AQ82	712466,736401	25.6	14.8	14.5	<1
AQ83	711503,736794	25.6	14.9	14.5	<1
AQ84	714473,734325	39.4	16.6	15.6	1
AQ85	711491,736840	28.0	15.2	14.7	<1
AQ86	712311,736427	23.7	14.5	14.3	<1
AQ87	711542,736813	27.0	15.1	14.7	<1
AQ88	711517,736825	28.0	15.2	14.7	<1
AQ89	714513,734427	31.9	15.6	15.0	1
AQ90	711454,736861	26.8	15.0	14.6	<1
AQ91	711485,736844	27.5	15.1	14.7	<1
AQ92	711619,736773	26.9	15.1	14.6	<1
AQ93	706821,739697	26.3	15.2	14.7	<1
AQ94	711567,736800	26.9	15.1	14.7	<1
AQ95	711593,736787	26.8	15.0	14.6	<1
AQ96	714030,735193	31.0	15.6	15.0	1
AQ97	712582,736338	26.7	14.9	14.6	<1
AQ98	714528,734447	32.2	15.8	15.1	1
AQ99	712442,736411	25.9	14.8	14.5	<1
AQ100	712445,736358	24.0	14.6	14.4	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ101	707391,738959	25.0	15.0	14.6	<1
AQ102	706949,738702	23.1	14.6	14.4	<1
AQ103	714052,735163	33.0	16.0	15.2	1
AQ104	707870,739289	27.8	15.5	14.9	<1
AQ105	708191,739544	22.8	14.6	14.3	<1
AQ106	714258,734954	37.7	16.6	15.6	1
AQ107	714879,734584	39.0	16.9	15.8	1
AQ108	714878,734487	39.3	16.9	15.8	1
AQ109	709469,738256	24.0	14.8	14.5	<1
AQ110	714509,734508	31.3	15.6	15.0	1
AQ111	714232,734996	30.5	15.5	14.9	1
AQ112	714762,734073	32.6	15.8	15.2	1
AQ113	714058,735154	32.4	15.9	15.2	1
AQ114	714517,734470	33.5	16.0	15.2	1
AQ115	710097,736854	21.9	14.4	14.2	<1
AQ116	714515,734447	34.8	16.2	15.4	1
AQ117	709227,737599	24.8	14.9	14.5	<1
AQ118	714194,735028	36.4	16.2	15.4	1
AQ119	711062,737673	23.6	14.6	14.4	<1
AQ120	711417,737665	22.7	14.5	14.3	<1
AQ121	712664,736245	23.5	14.5	14.3	<1
AQ122	714249,734974	34.1	16.1	15.3	1
AQ123	710976,737366	22.4	14.5	14.3	<1
AQ124	714512,734498	30.8	15.6	15.0	1
AQ125	710905,737551	22.8	14.5	14.3	<1
AQ126	713801,735612	28.5	15.5	14.9	<1
AQ127	712212,737506	23.5	14.6	14.4	<1
AQ128	712895,736645	23.9	14.6	14.4	<1
AQ129	714272,734941	33.7	16.0	15.2	1
AQ130	712147,737687	21.4	14.3	14.2	1
AQ131	711468,737538	22.1	14.4	14.2	<1
AQ132	713784,735625	28.5	15.5	14.9	<1
AQ133	712709,735638	20.8	14.2	14.1	1
AQ134	714422,734735	39.9	16.8	15.8	1
AQ135	714203,735020	35.9	16.2	15.4	1
AQ136	712578,735874	22.5	14.4	14.3	<1
AQ137	714891,734794	38.7	16.6	15.6	1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ138	714961,734893	31.6	15.8	15.1	1
AQ139	713157,736571	23.2	14.5	14.3	<1
AQ140	714177,735042	38.1	16.4	15.5	1
AQ141	711223,737755	21.0	14.2	14.1	1
AQ142	714303,734881	31.9	15.7	15.1	1
AQ143	712767,736192	23.5	14.5	14.3	<1
AQ144	712791,735648	22.1	14.4	14.2	<1
AQ145	714173,735008	29.6	15.3	14.8	<1
AQ146	713121,736354	24.5	14.7	14.4	<1
AQ147	714517,734691	29.9	15.5	14.9	<1
AQ148	714840,735685	23.3	14.5	14.3	<1
AQ149	714770,735716	24.3	14.7	14.4	<1
AQ150	714310,734866	32.4	15.8	15.1	1
AQ151	713695,735957	24.3	14.7	14.4	<1
AQ152	714164,735052	40.4	16.8	15.7	1
AQ153	714428,735922	25.3	14.9	14.5	<1
AQ154	714940,735552	33.9	16.3	15.4	1
AQ155	712691,736229	23.2	14.5	14.3	<1
AQ156	714906,735362	26.8	15.1	14.7	<1
AQ157	714322,734844	33.0	15.9	15.2	1
AQ158	714941,735569	34.3	16.3	15.4	1
AQ159	714921,735625	30.2	15.6	15.0	1
AQ160	713256,736151	24.9	14.8	14.5	<1
AQ161	711873,736609	24.6	14.7	14.4	<1
AQ162	712741,736435	24.4	14.6	14.4	<1
AQ163	712735,736209	23.5	14.5	14.3	<1
AQ164	713044,736468	24.7	14.7	14.5	<1
AQ165	713226,736127	23.7	14.6	14.4	<1
AQ166	712922,736666	25.6	14.9	14.5	<1
AQ167	712762,736797	25.8	14.9	14.6	<1
AQ168	712729,736917	25.4	14.9	14.5	<1
AQ169	711814,736629	24.1	14.6	14.4	<1
AQ170	712698,737170	23.6	14.6	14.4	<1
AQ171	714491,736188	23.4	14.5	14.3	<1
AQ172	714137,735077	32.6	15.7	15.1	1
AQ173	714182,736248	22.5	14.4	14.2	<1
AQ174	714878,735918	30.4	15.3	14.8	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ175	714675,736146	24.6	14.7	14.4	<1
AQ176	713788,735581	27.9	15.3	14.8	<1
AQ177	714410,734683	37.7	16.8	15.7	1
AQ178	711899,736600	25.0	14.7	14.5	<1
AQ179	713617,736528	22.4	14.4	14.2	<1
AQ180	713721,736519	23.8	14.5	14.3	<1
AQ181	714056,736284	22.4	14.4	14.2	<1
AQ182	714013,736324	23.3	14.5	14.3	<1
AQ183	713772,735645	26.8	15.2	14.7	<1
AQ184	713772,735111	21.4	14.2	14.2	1
AQ185	713849,734980	21.3	14.2	14.1	1
AQ186	714340,734787	30.0	15.4	14.9	<1
AQ187	714943,735327	33.6	16.3	15.4	1
AQ188	714120,735063	27.6	15.1	14.7	<1
AQ189	712632,736262	23.8	14.6	14.4	<1
AQ190	714544,734737	30.9	15.5	14.9	1
AQ191	714516,734318	41.3	16.9	15.8	1
AQ192	711813,736673	26.7	15.0	14.6	<1
AQ193	713669,735338	32.8	15.7	15.1	1
AQ194	712560,736308	26.7	14.9	14.6	<1
AQ195	714192,735608	27.7	15.2	14.7	<1
AQ196	714529,734315	39.1	16.7	15.7	1
AQ197	713808,735043	21.5	14.3	14.2	1
AQ198	713970,734866	22.0	14.3	14.2	<1
AQ199	711019,737181	23.8	14.7	14.4	<1
AQ200	714201,734361	34.9	16.4	15.5	1
AQ201	711108,737082	24.1	14.6	14.4	<1
AQ202	714127,735091	31.1	15.6	15.0	1
AQ203	710976,737105	29.7	15.7	15.0	1
AQ204	714646,734202	30.1	15.5	14.9	<1
AQ205	714810,734154	39.1	16.6	15.7	1
AQ206	713534,734468	41.4	17.1	15.9	1
AQ207	712577,736299	27.5	15.0	14.7	<1
AQ208	714333,734278	36.3	16.2	15.4	1
AQ209	713261,736568	23.1	14.5	14.3	<1
AQ210	714134,735029	27.7	15.1	14.7	<1
AQ211	713090,736600	24.2	14.6	14.4	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$ ³³
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ212	711872,736651	26.6	15.0	14.6	<1
AQ213	713555,736542	22.4	14.4	14.2	<1
AQ214	713423,736559	22.7	14.4	14.3	<1
AQ215	711020,737028	26.4	14.9	14.6	<1
AQ216	711046,737006	24.1	14.6	14.4	<1
AQ217	710956,736923	24.3	14.7	14.4	<1
AQ218	711162,736950	23.7	14.6	14.4	<1
AQ219	711852,736659	26.4	15.0	14.6	<1
AQ220	709598,737723	22.7	14.6	14.3	<1
AQ221	711376,736900	26.8	15.0	14.6	<1
AQ222	709574,737737	22.8	14.6	14.3	<1
AQ223	709622,737709	22.6	14.5	14.3	<1
AQ224	711405,736888	26.3	15.0	14.6	<1
AQ225	711891,736643	27.0	15.1	14.7	<1
AQ226	709645,737696	22.6	14.5	14.3	<1
AQ227	709501,737779	23.0	14.6	14.4	<1
AQ228	709686,737693	23.2	14.7	14.4	<1
AQ229	709634,737702	22.6	14.5	14.3	<1
AQ230	706425,739183	23.0	14.6	14.3	<1
AQ231	708710,738289	26.3	15.2	14.7	<1
AQ232	714474,734021	22.3	14.4	14.2	<1
AQ233	714497,734253	36.6	16.3	15.5	1
AQ234	708730,738265	26.5	15.3	14.8	<1
AQ235	708720,738278	26.4	15.2	14.7	<1
AQ236	714188,734993	29.1	15.3	14.8	<1
AQ237	708759,738220	27.2	15.4	14.9	<1
AQ238	708741,738251	26.6	15.3	14.8	<1
AQ239	709324,737848	23.3	14.6	14.4	<1
AQ240	713336,735924	31.8	16.0	15.2	1
AQ241	709325,737855	23.4	14.7	14.4	<1
AQ242	709400,737823	23.1	14.6	14.4	<1
AQ243	709184,737950	25.6	15.0	14.6	<1
AQ244	706619,739485	26.6	15.2	14.7	<1
AQ245	706585,739441	27.2	15.3	14.8	<1
AQ246	709362,737846	23.4	14.7	14.4	<1
AQ247	714373,734779	36.1	16.3	15.4	1
AQ248	706459,739253	23.7	14.7	14.4	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ249	709476,737791	23.1	14.6	14.4	<1
AQ250	709430,737810	23.1	14.6	14.4	<1
AQ251	709470,737802	23.3	14.7	14.4	<1
AQ252	709499,737790	23.4	14.7	14.4	<1
AQ253	713437,735870	30.1	15.7	15.0	1
AQ254	709404,737827	23.3	14.7	14.4	<1
AQ255	709439,737807	23.1	14.6	14.4	<1
AQ256	709558,737742	22.7	14.6	14.3	<1
AQ257	713533,735817	28.5	15.4	14.9	<1
AQ258	712849,736150	23.7	14.6	14.3	<1
AQ259	712891,736129	24.5	14.7	14.4	<1
AQ260	708554,738408	26.8	15.3	14.8	<1
AQ261	708153,738717	27.1	15.5	14.9	1
AQ262	713413,735884	30.0	15.7	15.0	1
AQ263	713277,735898	25.1	14.8	14.5	<1
AQ264	712902,736179	25.0	14.7	14.5	<1
AQ265	706498,739326	24.8	14.8	14.5	<1
AQ266	713334,735877	25.0	14.8	14.5	<1
AQ267	714392,734685	31.1	15.6	15.0	1
AQ268	711962,736626	26.7	14.9	14.6	<1
AQ269	706499,739337	24.7	14.8	14.5	<1
AQ270	713967,735474	29.9	15.3	14.8	<1
AQ271	706539,739396	27.1	15.2	14.7	<1
AQ272	711920,736633	28.0	15.2	14.7	<1
AQ273	706498,739365	24.9	14.8	14.5	<1
AQ274	708588,738387	26.4	15.2	14.8	<1
AQ275	714403,734610	33.3	16.1	15.3	1
AQ276	708459,738491	28.8	15.8	15.1	1
AQ277	706772,739670	24.5	14.9	14.5	<1
AQ278	706755,739663	24.0	14.8	14.5	<1
AQ279	711999,736604	27.6	15.0	14.7	<1
AQ280	713546,735754	25.8	15.0	14.6	<1
AQ281	712802,736173	23.5	14.5	14.3	<1
AQ282	712826,736160	23.6	14.5	14.3	<1
AQ283	714413,734700	34.2	16.1	15.3	1
AQ284	712018,736596	28.0	15.1	14.7	<1
AQ285	713620,735759	26.4	15.1	14.7	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ286	713474,735802	25.7	14.9	14.6	<1
AQ287	713557,735794	29.1	15.5	14.9	1
AQ288	714504,734667	29.0	15.3	14.8	<1
AQ289	713497,735791	26.6	15.1	14.7	<1
AQ290	714407,734659	34.3	16.3	15.4	1
AQ291	713938,735466	35.0	15.8	15.1	1
AQ292	714066,735162	39.1	16.9	15.8	1
AQ293	714388,734653	31.2	15.7	15.1	1
AQ294	714434,734680	32.6	15.9	15.2	1
AQ295	711773,736642	23.4	14.5	14.3	<1
AQ296	714107,735115	36.5	16.5	15.5	1
AQ297	714460,734670	29.3	15.4	14.9	<1
AQ298	708784,738202	29.0	15.7	15.1	1
AQ299	713965,735427	29.7	15.4	14.9	<1
AQ300	713427,735824	25.0	14.8	14.5	<1
AQ301	713442,735812	24.7	14.8	14.5	<1
AQ302	711749,736705	26.7	15.0	14.6	<1
AQ303	714537,734631	32.2	15.8	15.1	1
AQ304	714083,735143	36.7	16.5	15.6	1
AQ305	714405,734639	33.9	16.2	15.4	1
AQ306	713926,735504	35.8	15.9	15.2	1
AQ307	713377,735858	25.1	14.8	14.5	<1
AQ308	713907,735517	31.7	15.6	15.0	1
AQ309	713862,735512	30.7	15.7	15.0	1
AQ310	713871,735503	31.9	15.8	15.1	1
AQ311	711750,736655	23.6	14.6	14.4	<1
AQ312	711732,736714	26.7	15.0	14.6	<1
AQ313	713741,735610	26.0	15.0	14.6	<1
AQ314	712231,736468	23.6	14.5	14.3	<1
AQ315	713856,735481	30.2	15.6	15.0	1
AQ316	714532,734591	32.6	15.9	15.2	1
AQ317	711097,737046	27.4	15.1	14.7	<1
AQ318	713479,735855	27.9	15.3	14.8	<1
AQ319	714401,734591	33.7	16.2	15.3	1
AQ320	712136,736557	27.5	15.0	14.6	<1
AQ321	712212,736481	24.0	14.6	14.4	<1
AQ322	711056,737068	29.3	15.3	14.8	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ323	714526,734551	33.1	15.9	15.2	1
AQ324	712177,736496	23.7	14.5	14.3	<1
AQ325	712195,736488	23.8	14.5	14.3	<1
AQ326	712195,736536	26.6	14.9	14.6	<1
AQ327	713672,735710	27.4	15.3	14.8	<1
AQ328	714445,734546	31.0	15.6	15.0	1
AQ329	712081,736539	24.5	14.6	14.4	<1
AQ330	713694,735693	27.5	15.3	14.8	<1
AQ331	714352,734774	30.6	15.5	14.9	1
AQ332	714373,734749	36.8	16.4	15.5	1
AQ333	712408,736488	22.4	14.4	14.2	<1
AQ334	711574,736743	22.9	14.5	14.3	<1
AQ335	711640,736631	21.4	14.3	14.2	1
AQ336	711360,736845	23.0	14.5	14.3	<1
AQ337	711346,736766	21.9	14.3	14.2	<1
AQ338	712293,736562	22.1	14.3	14.2	<1
AQ339	708574,738776	23.3	14.7	14.4	<1
AQ340	708236,738906	23.8	14.8	14.5	<1
AQ341	708424,738767	24.6	14.9	14.6	<1
AQ342	713895,735184	24.0	14.6	14.4	<1
AQ343	708224,738489	24.8	14.9	14.5	<1
AQ344	706880,740091	29.5	15.9	15.1	1
AQ345	707005,739642	24.7	14.9	14.5	<1
AQ346	707365,739375	29.5	15.9	15.2	1
AQ347	714592,734926	22.0	14.3	14.2	<1
AQ348	714363,734867	23.3	14.5	14.3	<1
AQ349	714113,735173	22.6	14.4	14.3	<1
AQ350	714343,734918	22.9	14.4	14.3	<1
AQ351	714575,734672	34.6	16.2	15.4	1
AQ352	714370,734935	22.4	14.4	14.2	<1
AQ353	714404,734974	21.9	14.3	14.2	<1
AQ354	714022,735494	26.9	15.0	14.6	<1
AQ355	714069,735457	22.1	14.3	14.2	<1
AQ356	714580,734342	30.2	15.4	14.9	<1
AQ357	714071,735508	25.7	14.9	14.5	<1
AQ358	714175,735504	21.7	14.3	14.2	1
AQ359	713965,735343	28.0	15.2	14.7	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ360	712320,736546	22.1	14.3	14.2	<1
AQ361	712571,736258	22.4	14.4	14.2	<1
AQ362	712420,736598	21.3	14.2	14.1	1
AQ363	714247,734502	22.6	14.4	14.3	<1
AQ364	710909,737143	26.1	15.2	14.7	<1
AQ365	713123,736239	21.7	14.3	14.2	1
AQ366	714223,734609	22.0	14.3	14.2	<1
AQ367	714753,734468	23.3	14.5	14.3	<1
AQ368	714560,734595	30.9	15.6	15.0	1
AQ369	714700,734424	23.4	14.5	14.3	<1
AQ370	710873,737163	25.7	15.1	14.7	<1
AQ371	714350,734494	28.7	15.2	14.8	<1
AQ372	714540,734545	35.1	16.3	15.4	1
AQ373	708080,738558	24.3	14.8	14.5	<1
AQ374	714023,735547	27.8	15.2	14.7	<1
AQ375	713988,735531	29.4	15.3	14.8	<1
AQ376	708278,738492	26.7	15.2	14.7	<1
AQ377	708867,737984	30.8	16.4	15.5	1
AQ378	708948,738003	27.4	15.6	15.0	1
AQ379	714642,734888	22.0	14.3	14.2	<1
AQ380	709411,737927	27.0	15.3	14.8	<1
AQ381	709382,737967	26.5	15.1	14.7	<1
AQ382	707509,739233	24.5	14.9	14.5	<1
AQ383	714745,734486	23.6	14.5	14.3	<1
AQ384	714654,734484	23.4	14.5	14.3	<1
AQ385	714776,734569	23.8	14.5	14.3	<1
AQ386	714724,734690	29.3	15.5	14.9	<1
AQ387	713019,736109	24.6	14.7	14.4	<1
AQ388	712731,736319	22.4	14.4	14.2	<1
AQ389	712958,736142	24.8	14.7	14.4	<1
AQ390	712770,736254	23.5	14.5	14.3	<1
AQ391	714165,734430	28.0	15.2	14.8	<1
AQ392	714708,734311	30.2	15.4	14.9	<1
AQ393	712054,736532	22.8	14.4	14.3	<1
AQ394	712035,736538	22.8	14.4	14.3	<1
AQ395	712015,736562	24.8	14.7	14.4	<1
AQ396	712028,736555	24.3	14.6	14.4	<1

DM (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$ ³³
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ397	712251,736514	24.7	14.7	14.4	<1
AQ398	712176,736594	22.5	14.4	14.2	<1
AQ399	711303,736944	24.9	14.8	14.5	<1
AQ400	711346,736923	24.9	14.8	14.5	<1
AQ401	711413,737033	21.6	14.3	14.2	1
AQ402	710510,737512	21.5	14.3	14.2	<1
AQ403	710328,737778	21.3	14.3	14.2	1
AQ404	713916,735167	24.4	14.7	14.4	<1
AQ405	713921,735251	21.7	14.3	14.2	1
AQ406	714050,734800	21.5	14.2	14.2	1
AQ407	709569,737665	21.8	14.4	14.2	<1
AQ408	709715,737642	22.1	14.4	14.3	<1
AQ409	714077,734263	25.5	14.9	14.5	<1
AQ410	713709,734303	29.0	15.2	14.7	<1
AQ411	713806,734404	45.9	17.9	16.4	2
AQ412	714044,734365	38.2	17.1	15.9	1
AQ413	713478,734481	33.8	16.0	15.2	1
AQ414	711294,736667	21.5	14.3	14.2	1
AQ415	713408,736622	21.6	14.3	14.2	1
AQ416	712908,735371	20.9	14.2	14.1	1
AQ417	713021,735187	21.3	14.2	14.1	1
AQ418	714921,735596	31.5	15.8	15.1	1
AQ419	712660,737004	21.4	14.3	14.2	1
AQ420	712848,736497	23.3	14.5	14.3	<1
Air Quality Limit Value Objective	40	40	25	35	

In the cumulative 2024 DM scenario annual mean concentrations of NO_2 are above the relevant national air quality limit value objective in some areas; seven exceedances were modelled at receptors on the R805 Manor St, R109 Parkgate St, R804 Blackhall Place and the R148 Arran Quay. Annual mean NO_2 concentrations did not exceed $60 \mu\text{g}/\text{m}^3$, indicating that exceedances of the NO_2 1-hour mean are unlikely to occur. Annual mean PM_{10} concentrations are below the relevant national air quality limit value objective for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM_{10} concentration indicated that there is likely to be no more than one exceedance of the $50 \mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean $\text{PM}_{2.5}$ concentrations are also below the relevant national air quality limit value objective for all modelled receptors.

1.2 'Do Something' Scenario

Predicted annual mean concentrations of NO₂, PM₁₀, PM_{2.5} and the number of exceedances of the 24 hour PM₁₀ objective, at all modelled existing air quality sensitive receptors in the cumulative 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 ³)			No of PM ₁₀ days > 50 µg/m ³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713494,735835	23.3	14.5	14.3	<1
AQ2	712077,736576	24.2	14.6	14.3	<1
AQ3	713631,735750	23.7	14.6	14.4	<1
AQ4	713642,735733	24.2	14.7	14.4	<1
AQ5	712107,736568	23.8	14.5	14.3	<1
AQ6	713725,735622	23.8	14.6	14.4	<1
AQ7	714379,734737	31.3	15.6	15.0	1
AQ8	713718,735674	24.5	14.8	14.5	<1
AQ9	713636,735685	23.4	14.6	14.4	<1
AQ10	714400,734722	35.9	16.2	15.4	1
AQ11	713662,735659	23.2	14.5	14.3	<1
AQ12	713830,735544	25.8	14.9	14.6	<1
AQ13	712286,736441	22.1	14.3	14.2	<1
AQ14	714378,734710	31.1	15.5	15.0	1
AQ15	714410,734556	32.0	15.7	15.1	1
AQ16	712253,736459	22.1	14.3	14.2	<1
AQ17	713884,735539	26.4	15.0	14.6	<1
AQ18	713603,735708	23.3	14.6	14.3	<1
AQ19	711001,737269	22.9	14.5	14.3	<1
AQ20	710726,737182	23.2	14.5	14.3	<1
AQ21	714029,735222	29.5	15.5	14.9	<1
AQ22	712384,736436	23.6	14.5	14.3	<1
AQ23	714358,734445	33.5	15.9	15.2	1
AQ24	714399,734572	32.9	16.0	15.2	1
AQ25	714332,734823	31.0	15.6	15.0	1
AQ26	714004,735242	26.3	15.0	14.6	<1
AQ27	713987,735284	28.7	15.4	14.9	<1
AQ28	712934,736097	22.4	14.4	14.2	<1
AQ29	714347,734803	32.6	15.9	15.2	1
AQ30	712360,736450	23.4	14.5	14.3	<1
AQ31	714021,735199	25.0	14.8	14.5	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ32	712408,736425	23.4	14.5	14.3	<1
AQ33	711775,736693	23.3	14.5	14.3	<1
AQ34	714394,734458	32.4	15.8	15.1	1
AQ35	713996,735298	27.7	15.2	14.8	<1
AQ36	713973,735329	28.7	15.4	14.9	<1
AQ37	714423,734521	30.1	15.4	14.9	<1
AQ38	713967,735400	27.3	15.1	14.7	<1
AQ39	714526,734396	33.1	15.8	15.1	1
AQ40	714520,734385	32.7	15.7	15.1	1
AQ41	711653,736755	24.0	14.6	14.3	<1
AQ42	711636,736764	24.2	14.6	14.4	<1
AQ43	714381,734400	42.3	16.6	15.7	1
AQ44	714380,734413	40.5	16.7	15.7	1
AQ45	714362,734427	36.8	16.3	15.4	1
AQ46	714503,734359	33.7	15.7	15.1	1
AQ47	708137,738735	27.4	15.5	14.9	1
AQ48	714509,734396	31.5	15.5	15.0	1
AQ49	714118,735045	26.2	15.0	14.6	<1
AQ50	714516,734358	34.5	15.8	15.1	1
AQ51	714458,734374	33.0	15.7	15.1	1
AQ52	714389,734384	36.9	16.0	15.2	1
AQ53	711682,736741	23.6	14.5	14.3	<1
AQ54	714473,734387	31.9	15.6	15.0	1
AQ55	714348,734390	35.3	15.9	15.2	1
AQ56	711669,736748	23.7	14.5	14.3	<1
AQ57	714411,734396	36.3	16.1	15.3	1
AQ58	711714,736674	22.1	14.3	14.2	<1
AQ59	714228,734948	28.9	15.3	14.8	<1
AQ60	711715,736722	23.6	14.6	14.3	<1
AQ61	711663,736700	22.1	14.3	14.2	<1
AQ62	711677,736693	22.1	14.3	14.2	<1
AQ63	714287,734914	30.8	15.6	15.0	1
AQ64	712403,736380	22.2	14.3	14.2	<1
AQ65	712387,736388	22.2	14.3	14.2	<1
AQ66	714289,734860	26.9	15.0	14.6	<1
AQ67	714353,734371	40.3	16.3	15.5	1
AQ68	712427,736368	22.3	14.3	14.2	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ69	712542,736353	24.0	14.5	14.3	<1
AQ70	712484,736342	22.8	14.4	14.2	<1
AQ71	714295,734899	31.1	15.7	15.0	1
AQ72	714411,734363	34.6	15.9	15.2	1
AQ73	714438,734330	39.8	16.7	15.7	1
AQ74	714044,735196	25.9	14.9	14.6	<1
AQ75	712563,736340	24.7	14.6	14.4	<1
AQ76	708401,738533	29.1	16.0	15.2	1
AQ77	714058,735176	25.3	14.9	14.5	<1
AQ78	712350,736408	22.1	14.3	14.2	<1
AQ79	714059,735131	23.6	14.6	14.4	<1
AQ80	712487,736389	23.1	14.4	14.3	<1
AQ81	714527,734413	32.9	15.8	15.1	1
AQ82	712466,736401	23.0	14.4	14.3	<1
AQ83	711503,736794	23.7	14.5	14.3	<1
AQ84	714473,734325	39.7	16.6	15.7	1
AQ85	711491,736840	25.8	14.8	14.5	<1
AQ86	712311,736427	22.1	14.3	14.2	<1
AQ87	711542,736813	24.5	14.6	14.4	<1
AQ88	711517,736825	25.5	14.7	14.4	<1
AQ89	714513,734427	30.3	15.4	14.9	<1
AQ90	711454,736861	24.7	14.6	14.4	<1
AQ91	711485,736844	25.3	14.7	14.4	<1
AQ92	711619,736773	24.2	14.6	14.4	<1
AQ93	706821,739697	25.3	15.0	14.6	<1
AQ94	711567,736800	24.3	14.6	14.4	<1
AQ95	711593,736787	24.2	14.6	14.4	<1
AQ96	714030,735193	24.9	14.8	14.5	<1
AQ97	712582,736338	24.5	14.6	14.4	<1
AQ98	714528,734447	30.2	15.5	14.9	<1
AQ99	712442,736411	23.1	14.4	14.3	<1
AQ100	712445,736358	22.3	14.3	14.2	<1
AQ101	707391,738959	24.9	15.0	14.6	<1
AQ102	706949,738702	23.0	14.6	14.4	<1
AQ103	714052,735163	24.7	14.8	14.5	<1
AQ104	707870,739289	27.6	15.4	14.9	<1
AQ105	708191,739544	22.8	14.6	14.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ106	714258,734954	34.9	16.2	15.4	1
AQ107	714879,734584	38.3	16.8	15.8	1
AQ108	714878,734487	38.6	16.8	15.8	1
AQ109	709469,738256	24.3	14.9	14.5	<1
AQ110	714509,734508	30.0	15.4	14.9	<1
AQ111	714232,734996	26.7	15.0	14.6	<1
AQ112	714762,734073	32.1	15.8	15.1	1
AQ113	714058,735154	24.5	14.7	14.4	<1
AQ114	714517,734470	31.0	15.6	15.0	1
AQ115	710097,736854	22.2	14.4	14.3	<1
AQ116	714515,734447	32.2	15.8	15.1	1
AQ117	709227,737599	24.6	14.9	14.5	<1
AQ118	714194,735028	28.2	15.2	14.7	<1
AQ119	711062,737673	24.1	14.7	14.4	<1
AQ120	711417,737665	22.9	14.5	14.3	<1
AQ121	712664,736245	22.7	14.4	14.2	<1
AQ122	714249,734974	30.0	15.4	14.9	<1
AQ123	710976,737366	22.9	14.5	14.3	<1
AQ124	714512,734498	29.3	15.3	14.8	<1
AQ125	710905,737551	23.4	14.6	14.4	<1
AQ126	713801,735612	25.1	14.8	14.5	<1
AQ127	712212,737506	23.8	14.6	14.4	<1
AQ128	712895,736645	23.8	14.7	14.4	<1
AQ129	714272,734941	31.2	15.7	15.0	1
AQ130	712147,737687	21.5	14.3	14.2	1
AQ131	711468,737538	22.5	14.4	14.3	<1
AQ132	713784,735625	25.0	14.8	14.5	<1
AQ133	712709,735638	20.9	14.2	14.1	1
AQ134	714422,734735	38.1	16.6	15.6	1
AQ135	714203,735020	28.1	15.2	14.7	<1
AQ136	712578,735874	24.2	14.7	14.4	<1
AQ137	714891,734794	38.5	16.6	15.6	1
AQ138	714961,734893	31.6	15.8	15.1	1
AQ139	713157,736571	23.0	14.5	14.3	<1
AQ140	714177,735042	28.8	15.3	14.8	<1
AQ141	711223,737755	21.1	14.2	14.1	1
AQ142	714303,734881	29.1	15.4	14.8	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ143	712767,736192	22.7	14.4	14.2	<1
AQ144	712791,735648	22.1	14.5	14.3	<1
AQ145	714173,735008	25.6	14.8	14.5	<1
AQ146	713121,736354	23.0	14.5	14.3	<1
AQ147	714517,734691	28.3	15.2	14.8	<1
AQ148	714840,735685	23.3	14.5	14.3	<1
AQ149	714770,735716	24.3	14.7	14.4	<1
AQ150	714310,734866	29.5	15.4	14.9	<1
AQ151	713695,735957	24.2	14.6	14.4	<1
AQ152	714164,735052	29.5	15.4	14.9	<1
AQ153	714428,735922	25.3	14.9	14.5	<1
AQ154	714940,735552	34.2	16.4	15.5	1
AQ155	712691,736229	22.5	14.4	14.2	<1
AQ156	714906,735362	26.8	15.1	14.7	<1
AQ157	714322,734844	29.8	15.5	14.9	<1
AQ158	714941,735569	34.6	16.4	15.5	1
AQ159	714921,735625	30.3	15.6	15.0	1
AQ160	713256,736151	23.3	14.5	14.3	<1
AQ161	711873,736609	22.6	14.4	14.3	<1
AQ162	712741,736435	24.3	14.6	14.4	<1
AQ163	712735,736209	22.7	14.4	14.2	<1
AQ164	713044,736468	23.2	14.5	14.3	<1
AQ165	713226,736127	22.5	14.4	14.2	<1
AQ166	712922,736666	25.8	15.0	14.6	<1
AQ167	712762,736797	20.7	15.1	14.7	<1
AQ168	712729,736917	20.6	15.0	14.6	<1
AQ169	711814,736629	22.3	14.4	14.2	<1
AQ170	712698,737170	23.9	14.6	14.4	<1
AQ171	714491,736188	23.9	14.6	14.4	<1
AQ172	714137,735077	25.3	14.8	14.5	<1
AQ173	714182,736248	22.8	14.4	14.3	<1
AQ174	714878,735918	30.9	15.4	14.9	<1
AQ175	714675,736146	24.7	14.8	14.5	<1
AQ176	713788,735581	24.9	14.8	14.5	<1
AQ177	714410,734683	34.3	16.2	15.4	1
AQ178	711899,736600	23.0	14.5	14.3	<1
AQ179	713617,736528	22.5	14.4	14.2	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ180	713721,736519	24.2	14.6	14.4	<1
AQ181	714056,736284	22.7	14.4	14.3	<1
AQ182	714013,736324	23.8	14.6	14.4	<1
AQ183	713772,735645	24.2	14.7	14.4	<1
AQ184	713772,735111	23.6	14.6	14.4	<1
AQ185	713849,734980	22.8	14.5	14.3	<1
AQ186	714340,734787	28.0	15.2	14.7	<1
AQ187	714943,735327	33.9	16.3	15.4	1
AQ188	714120,735063	24.8	14.8	14.5	<1
AQ189	712632,736262	23.0	14.4	14.3	<1
AQ190	714544,734737	30.2	15.4	14.9	<1
AQ191	714516,734318	40.1	16.8	15.7	1
AQ192	711813,736673	23.5	14.5	14.3	<1
AQ193	713669,735338	34.9	15.9	15.2	1
AQ194	712560,736308	24.7	14.6	14.4	<1
AQ195	714192,735608	27.7	15.2	14.7	<1
AQ196	714529,734315	38.4	16.6	15.6	1
AQ197	713808,735043	24.0	14.7	14.4	<1
AQ198	713970,734866	25.0	14.8	14.5	<1
AQ199	711019,737181	24.3	14.7	14.4	<1
AQ200	714201,734361	35.5	16.7	15.6	1
AQ201	711108,737082	23.5	14.5	14.3	<1
AQ202	714127,735091	24.6	14.7	14.5	<1
AQ203	710976,737105	30.5	15.5	15.0	1
AQ204	714646,734202	30.1	15.5	14.9	<1
AQ205	714810,734154	38.4	16.5	15.6	1
AQ206	713534,734468	43.9	17.4	16.1	1
AQ207	712577,736299	27.1	14.9	14.6	<1
AQ208	714333,734278	36.6	16.2	15.4	1
AQ209	713261,736568	23.0	14.5	14.3	<1
AQ210	714134,735029	25.4	14.8	14.5	<1
AQ211	713090,736600	24.0	14.6	14.4	<1
AQ212	711872,736651	23.5	14.5	14.3	<1
AQ213	713555,736542	22.5	14.4	14.2	<1
AQ214	713423,736559	22.7	14.4	14.3	<1
AQ215	711020,737028	26.2	14.9	14.6	<1
AQ216	711046,737006	23.8	14.6	14.4	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ217	710956,736923	25.7	14.9	14.6	<1
AQ218	711162,736950	23.1	14.5	14.3	<1
AQ219	711852,736659	23.4	14.5	14.3	<1
AQ220	709598,737723	22.4	14.5	14.3	<1
AQ221	711376,736900	24.7	14.6	14.4	<1
AQ222	709574,737737	22.5	14.5	14.3	<1
AQ223	709622,737709	22.3	14.5	14.3	<1
AQ224	711405,736888	24.4	14.6	14.4	<1
AQ225	711891,736643	23.8	14.6	14.3	<1
AQ226	709645,737696	22.3	14.5	14.3	<1
AQ227	709501,737779	22.7	14.6	14.3	<1
AQ228	709686,737693	22.8	14.6	14.3	<1
AQ229	709634,737702	22.3	14.5	14.3	<1
AQ230	706425,739183	22.9	14.6	14.3	<1
AQ231	708710,738289	26.0	15.1	14.7	<1
AQ232	714474,734021	22.0	14.3	14.2	<1
AQ233	714497,734253	36.0	16.2	15.4	1
AQ234	708730,738265	26.0	15.1	14.7	<1
AQ235	708720,738278	26.0	15.1	14.7	<1
AQ236	714188,734993	25.7	14.8	14.5	<1
AQ237	708759,738220	26.6	15.3	14.8	<1
AQ238	708741,738251	26.1	15.2	14.7	<1
AQ239	709324,737848	23.0	14.6	14.4	<1
AQ240	713336,735924	24.5	14.7	14.4	<1
AQ241	709325,737855	23.1	14.6	14.4	<1
AQ242	709400,737823	22.8	14.6	14.4	<1
AQ243	709184,737950	25.3	15.0	14.6	<1
AQ244	706619,739485	25.6	15.0	14.6	<1
AQ245	706585,739441	26.4	15.1	14.7	<1
AQ246	709362,737846	23.0	14.6	14.4	<1
AQ247	714373,734779	32.6	15.8	15.2	1
AQ248	706459,739253	23.6	14.7	14.4	<1
AQ249	709476,737791	22.7	14.6	14.3	<1
AQ250	709430,737810	22.7	14.6	14.3	<1
AQ251	709470,737802	22.9	14.6	14.4	<1
AQ252	709499,737790	23.0	14.6	14.4	<1
AQ253	713437,735870	23.2	14.5	14.3	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ254	709404,737827	22.9	14.6	14.4	<1
AQ255	709439,737807	22.8	14.6	14.3	<1
AQ256	709558,737742	22.4	14.5	14.3	<1
AQ257	713533,735817	23.7	14.6	14.4	<1
AQ258	712849,736150	23.7	14.5	14.3	<1
AQ259	712891,736129	24.3	14.6	14.4	<1
AQ260	708554,738408	25.9	15.1	14.7	<1
AQ261	708153,738717	27.1	15.4	14.9	<1
AQ262	713413,735884	23.3	14.5	14.3	<1
AQ263	713277,735898	22.8	14.4	14.3	<1
AQ264	712902,736179	24.1	14.6	14.4	<1
AQ265	706498,739326	24.7	14.8	14.5	<1
AQ266	713334,735877	22.5	14.4	14.2	<1
AQ267	714392,734685	29.4	15.4	14.9	<1
AQ268	711962,736626	24.2	14.6	14.4	<1
AQ269	706499,739337	24.6	14.8	14.5	<1
AQ270	713967,735474	28.3	15.1	14.7	<1
AQ271	706539,739396	26.8	15.1	14.7	<1
AQ272	711920,736633	24.8	14.7	14.4	<1
AQ273	706498,739365	24.5	14.7	14.5	<1
AQ274	708588,738387	25.5	15.1	14.7	<1
AQ275	714403,734610	31.7	15.8	15.1	1
AQ276	708459,738491	27.9	15.6	15.0	1
AQ277	706772,739670	23.8	14.7	14.5	<1
AQ278	706755,739663	23.4	14.7	14.4	<1
AQ279	711999,736604	24.1	14.6	14.3	<1
AQ280	713546,735754	23.7	14.6	14.4	<1
AQ281	712802,736173	22.9	14.4	14.3	<1
AQ282	712826,736160	23.2	14.5	14.3	<1
AQ283	714413,734700	31.6	15.7	15.1	1
AQ284	712018,736596	24.3	14.6	14.4	<1
AQ285	713620,735759	23.8	14.6	14.4	<1
AQ286	713474,735802	22.7	14.4	14.3	<1
AQ287	713557,735794	24.8	14.8	14.5	<1
AQ288	714504,734667	27.5	15.1	14.7	<1
AQ289	713497,735791	23.2	14.5	14.3	<1
AQ290	714407,734659	32.2	15.9	15.2	1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ291	713938,735466	31.3	15.4	14.9	<1
AQ292	714066,735162	25.7	14.9	14.6	<1
AQ293	714388,734653	29.7	15.5	14.9	1
AQ294	714434,734680	29.8	15.5	14.9	1
AQ295	711773,736642	22.0	14.3	14.2	<1
AQ296	714107,735115	25.3	14.9	14.5	<1
AQ297	714460,734670	27.5	15.1	14.7	<1
AQ298	708784,738202	28.1	15.6	15.0	1
AQ299	713965,735427	26.6	15.0	14.6	<1
AQ300	713427,735824	22.4	14.4	14.2	<1
AQ301	713442,735812	22.4	14.4	14.2	<1
AQ302	711749,736705	23.5	14.5	14.3	<1
AQ303	714537,734631	31.0	15.6	15.0	1
AQ304	714083,735143	25.2	14.8	14.5	<1
AQ305	714405,734639	32.0	15.9	15.2	1
AQ306	713926,735504	34.0	15.7	15.1	1
AQ307	713377,735858	22.4	14.4	14.2	<1
AQ308	713907,735517	29.2	15.2	14.8	<1
AQ309	713862,735512	27.7	15.2	14.7	<1
AQ310	713871,735503	28.8	15.3	14.8	<1
AQ311	711750,736655	22.1	14.3	14.2	<1
AQ312	711732,736714	23.5	14.5	14.3	<1
AQ313	713741,735610	23.9	14.6	14.4	<1
AQ314	712231,736468	22.0	14.3	14.2	<1
AQ315	713856,735481	29.5	15.4	14.9	<1
AQ316	714532,734591	31.4	15.6	15.0	1
AQ317	711097,737046	25.7	14.8	14.5	<1
AQ318	713479,735855	22.9	14.5	14.3	<1
AQ319	714401,734591	32.0	15.9	15.2	1
AQ320	712136,736557	23.9	14.5	14.3	<1
AQ321	712212,736481	22.2	14.3	14.2	<1
AQ322	711056,737068	27.8	15.0	14.7	<1
AQ323	714526,734551	31.9	15.7	15.1	1
AQ324	712177,736496	22.1	14.3	14.2	<1
AQ325	712195,736488	22.1	14.3	14.2	<1
AQ326	712195,736536	23.4	14.5	14.3	<1
AQ327	713672,735710	24.2	14.7	14.4	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ328	714445,734546	30.2	15.4	14.9	<1
AQ329	712081,736539	22.5	14.4	14.2	<1
AQ330	713694,735693	24.2	14.7	14.4	<1
AQ331	714352,734774	28.5	15.2	14.8	<1
AQ332	714373,734749	33.5	16.0	15.2	1
AQ333	712408,736488	21.4	14.2	14.1	1
AQ334	711574,736743	22.0	14.3	14.2	<1
AQ335	711640,736631	21.1	14.2	14.1	1
AQ336	711360,736845	22.3	14.4	14.2	<1
AQ337	711346,736766	22.0	14.3	14.2	<1
AQ338	712293,736562	21.2	14.2	14.1	1
AQ339	708574,738776	23.2	14.7	14.4	<1
AQ340	708236,738906	23.9	14.8	14.5	<1
AQ341	708424,738767	24.6	14.9	14.5	<1
AQ342	713895,735184	25.1	14.8	14.5	<1
AQ343	708224,738489	24.3	14.8	14.5	<1
AQ344	706880,740091	29.5	15.9	15.1	1
AQ345	707005,739642	25.3	15.0	14.6	<1
AQ346	707365,739375	28.8	15.8	15.1	1
AQ347	714592,734926	21.8	14.3	14.2	1
AQ348	714363,734867	22.7	14.4	14.3	<1
AQ349	714113,735173	21.4	14.3	14.2	1
AQ350	714343,734918	22.4	14.4	14.2	<1
AQ351	714575,734672	33.0	16.0	15.2	1
AQ352	714370,734935	22.0	14.3	14.2	<1
AQ353	714404,734974	21.7	14.3	14.2	1
AQ354	714022,735494	26.2	14.9	14.6	<1
AQ355	714069,735457	21.8	14.3	14.2	1
AQ356	714580,734342	29.8	15.4	14.9	<1
AQ357	714071,735508	25.3	14.8	14.5	<1
AQ358	714175,735504	21.5	14.3	14.2	1
AQ359	713965,735343	25.4	14.9	14.5	<1
AQ360	712320,736546	21.3	14.2	14.1	1
AQ361	712571,736258	23.0	14.4	14.3	<1
AQ362	712420,736598	20.9	14.2	14.1	1
AQ363	714247,734502	22.4	14.4	14.3	<1
AQ364	710909,737143	26.7	15.0	14.6	<1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ365	713123,736239	21.3	14.2	14.1	1
AQ366	714223,734609	21.9	14.3	14.2	<1
AQ367	714753,734468	23.2	14.5	14.3	<1
AQ368	714560,734595	29.9	15.4	14.9	<1
AQ369	714700,734424	23.2	14.5	14.3	<1
AQ370	710873,737163	26.3	15.0	14.6	<1
AQ371	714350,734494	28.1	15.2	14.7	<1
AQ372	714540,734545	33.6	15.9	15.2	1
AQ373	708080,738558	24.1	14.7	14.5	<1
AQ374	714023,735547	27.6	15.1	14.7	<1
AQ375	713988,735531	29.1	15.3	14.8	<1
AQ376	708278,738492	25.9	15.0	14.6	<1
AQ377	708867,737984	30.8	16.5	15.5	1
AQ378	708948,738003	27.3	15.6	15.0	1
AQ379	714642,734888	21.9	14.3	14.2	<1
AQ380	709411,737927	25.9	15.1	14.7	<1
AQ381	709382,737967	25.5	15.0	14.6	<1
AQ382	707509,739233	24.2	14.9	14.5	<1
AQ383	714745,734486	23.5	14.5	14.3	<1
AQ384	714654,734484	23.2	14.5	14.3	<1
AQ385	714776,734569	23.7	14.5	14.3	<1
AQ386	714724,734690	28.6	15.4	14.8	<1
AQ387	713019,736109	23.1	14.4	14.3	<1
AQ388	712731,736319	21.9	14.3	14.2	<1
AQ389	712958,736142	23.7	14.6	14.3	<1
AQ390	712770,736254	22.6	14.4	14.2	<1
AQ391	714165,734430	26.2	15.3	14.8	<1
AQ392	714708,734311	30.0	15.4	14.9	<1
AQ393	712054,736532	21.7	14.3	14.2	1
AQ394	712035,736538	21.7	14.3	14.2	1
AQ395	712015,736562	22.7	14.4	14.2	<1
AQ396	712028,736555	22.4	14.4	14.2	<1
AQ397	712251,736514	22.5	14.4	14.2	<1
AQ398	712176,736594	21.5	14.2	14.2	1
AQ399	711303,736944	23.5	14.5	14.3	<1
AQ400	711346,736923	23.5	14.5	14.3	<1
AQ401	711413,737033	21.3	14.2	14.1	1

DS (2024)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ402	710510,737512	21.4	14.3	14.2	<1
AQ403	710328,737778	21.3	14.3	14.2	1
AQ404	713916,735167	27.0	15.1	14.7	<1
AQ405	713921,735251	21.8	14.3	14.2	<1
AQ406	714050,734800	21.8	14.3	14.2	<1
AQ407	709569,737665	21.7	14.4	14.2	<1
AQ408	709715,737642	21.9	14.4	14.2	<1
AQ409	714077,734263	25.5	14.9	14.6	<1
AQ410	713709,734303	28.3	15.2	14.8	<1
AQ411	713806,734404	48.7	18.5	16.8	2
AQ412	714044,734365	27.1	17.5	16.1	1
AQ413	713478,734481	35.2	16.2	15.4	1
AQ414	711294,736667	21.7	14.3	14.2	<1
AQ415	713408,736622	21.6	14.3	14.2	1
AQ416	712908,735371	21.0	14.2	14.1	1
AQ417	713021,735187	21.4	14.3	14.2	1
AQ418	714921,735596	31.7	15.8	15.1	1
AQ419	712660,737004	20.6	14.3	14.2	1
AQ420	712848,736497	22.1	14.5	14.3	<1
Air Quality Limit Value Objective	40	40	25	35	

In the cumulative 2024 DS scenario annual mean concentrations of NO₂ are above the relevant national air quality limit value objective in some areas; six exceedances were modelled at receptors on the N1, R109 Parkgate St and the R804 Blackhall Place. This is a reduction from six exceedances in the DM scenario. Annual mean NO₂ concentrations did not exceed 60 $\mu\text{g}/\text{m}^3$, indicating that exceedances of the NO₂ 1-hour mean are unlikely to occur. Annual mean PM₁₀ concentrations are below the relevant national air quality limit value objective for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM₁₀ concentration indicated that there is likely to be no more than one exceedance of the 50 $\mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean PM_{2.5} concentrations are also below the relevant national air quality limit value objective for all modelled receptors.

1.3 Comparison of Do Something with Do Minimum

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

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

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ1	713494,735835	-6.9	-1.2	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ2	712077,736576	-3.8	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ3	713631,735750	-2.6	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ4	713642,735733	-3.2	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ5	712107,736568	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ6	713725,735622	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ7	714379,734737	-2.0	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ8	713718,735674	-3.4	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ9	713636,735685	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ10	714400,734722	-3.1	-0.4	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ11	713662,735659	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ12	713830,735544	-2.9	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ13	712286,736441	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ14	714378,734710	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ15	714410,734556	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ16	712253,736459	-1.8	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ17	713884,735539	-2.4	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ18	713603,735708	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ19	711001,737269	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ20	710726,737182	0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ21	714029,735222	-9.3	-1.4	-0.9	<1	Moderate Beneficial	Negligible	Negligible
AQ22	712384,736436	-3.4	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ23	714358,734445	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ24	714399,734572	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ25	714332,734823	-3.4	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ26	714004,735242	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ27	713987,735284	-5.3	-0.7	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ28	712934,736097	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ29	714347,734803	-3.8	-0.5	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ30	712360,736450	-3.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ31	714021,735199	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ32	712408,736425	-3.2	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ33	711775,736693	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ34	714394,734458	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ35	713996,735298	-4.4	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ36	713973,735329	-5.5	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ37	714423,734521	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ38	713967,735400	-4.2	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ39	714526,734396	-2.2	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ40	714520,734385	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ41	711653,736755	-2.9	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ42	711636,736764	-2.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ43	714381,734400	-1.2	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ44	714380,734413	-1.4	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ45	714362,734427	-1.1	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ46	714503,734359	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ47	708137,738735	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ48	714509,734396	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ49	714118,735045	-1.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ50	714516,734358	-2.2	-0.3	-0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ51	714458,734374	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ52	714389,734384	-0.5	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ53	711682,736741	-3.1	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ54	714473,734387	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ55	714348,734390	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ56	711669,736748	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ57	714411,734396	-0.5	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ58	711714,736674	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ59	714228,734948	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ60	711715,736722	-3.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ61	711663,736700	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ62	711677,736693	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ63	714287,734914	-3.2	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ64	712403,736380	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ65	712387,736388	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ66	714289,734860	-1.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ67	714353,734371	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ68	712427,736368	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ69	712542,736353	-3.1	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ70	712484,736342	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ71	714295,734899	-3.5	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ72	714411,734363	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ73	714438,734330	0.6	0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ74	714044,735196	-11.8	-1.8	-1.1	<1	Moderate Beneficial	Negligible	Negligible
AQ75	712563,736340	-3.2	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ76	708401,738533	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ77	714058,735176	-11.4	-1.7	-1.1	<1	Moderate Beneficial	Negligible	Negligible
AQ78	712350,736408	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ79	714059,735131	-2.9	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ80	712487,736389	-2.6	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ81	714527,734413	-2.4	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ82	712466,736401	-2.6	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ83	711503,736794	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ84	714473,734325	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ85	711491,736840	-2.3	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ86	712311,736427	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ87	711542,736813	-2.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ88	711517,736825	-2.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ89	714513,734427	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ90	711454,736861	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ91	711485,736844	-2.2	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ92	711619,736773	-2.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ93	706821,739697	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ94	711567,736800	-2.6	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ95	711593,736787	-2.6	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ96	714030,735193	-6.1	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ97	712582,736338	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ98	714528,734447	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ99	712442,736411	-2.8	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ100	712445,736358	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ101	707391,738959	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ102	706949,738702	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ103	714052,735163	-8.3	-1.2	-0.8	<1	Slight Beneficial	Negligible	Negligible
AQ104	707870,739289	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ105	708191,739544	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ106	714258,734954	-2.8	-0.4	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ107	714879,734584	-0.7	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ108	714878,734487	-0.7	-0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ109	709469,738256	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ110	714509,734508	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ111	714232,734996	-3.8	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ112	714762,734073	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ113	714058,735154	-7.9	-1.1	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ114	714517,734470	-2.5	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ115	710097,736854	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ116	714515,734447	-2.6	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ117	709227,737599	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ118	714194,735028	-8.2	-1.0	-0.7	<1	Moderate Beneficial	Negligible	Negligible
AQ119	711062,737673	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ120	711417,737665	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ121	712664,736245	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ122	714249,734974	-4.1	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ123	710976,737366	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ124	714512,734498	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ125	710905,737551	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ126	713801,735612	-3.5	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ127	712212,737506	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ128	712895,736645	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ129	714272,734941	-2.5	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ130	712147,737687	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ131	711468,737538	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ132	713784,735625	-3.6	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ133	712709,735638	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ134	714422,734735	-1.8	-0.2	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ135	714203,735020	-7.8	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ136	712578,735874	1.6	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ137	714891,734794	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ138	714961,734893	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ139	713157,736571	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ140	714177,735042	-9.4	-1.2	-0.8	<1	Moderate Beneficial	Negligible	Negligible
AQ141	711223,737755	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ142	714303,734881	-2.8	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ143	712767,736192	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ144	712791,735648	<0.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ145	714173,735008	-4.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ146	713121,736354	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ147	714517,734691	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ148	714840,735685	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ149	714770,735716	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ150	714310,734866	-3.0	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ151	713695,735957	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ152	714164,735052	-10.9	-1.4	-0.9	<1	Substantial Beneficial	Negligible	Negligible
AQ153	714428,735922	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ154	714940,735552	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ155	712691,736229	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ156	714906,735362	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ157	714322,734844	-3.1	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ158	714941,735569	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ159	714921,735625	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ160	713256,736151	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ161	711873,736609	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ162	712741,736435	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ163	712735,736209	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ164	713044,736468	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ165	713226,736127	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ166	712922,736666	0.2	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ167	712762,736797	-5.1	0.1	0.1	<1	Slight Beneficial	Negligible	Negligible
AQ168	712729,736917	-4.9	0.1	0.1	<1	Slight Beneficial	Negligible	Negligible
AQ169	711814,736629	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ170	712698,737170	0.4	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ171	714491,736188	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ172	714137,735077	-7.3	-0.9	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ173	714182,736248	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ174	714878,735918	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ175	714675,736146	0.2	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ176	713788,735581	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ177	714410,734683	-3.4	-0.6	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ178	711899,736600	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ179	713617,736528	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ180	713721,736519	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ181	714056,736284	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ182	714013,736324	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ183	713772,735645	-2.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ184	713772,735111	2.1	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ185	713849,734980	1.5	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ186	714340,734787	-2.0	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ187	714943,735327	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ188	714120,735063	-2.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ189	712632,736262	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ190	714544,734737	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ191	714516,734318	-1.2	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ192	711813,736673	-3.2	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ193	713669,735338	2.1	0.2	0.1	<1	Slight Adverse	Negligible	Negligible
AQ194	712560,736308	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ195	714192,735608	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ196	714529,734315	-0.8	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ197	713808,735043	2.5	0.4	0.3	<1	Negligible	Negligible	Negligible
AQ198	713970,734866	3.0	0.5	0.3	<1	Negligible	Negligible	Negligible
AQ199	711019,737181	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ200	714201,734361	0.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ201	711108,737082	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ202	714127,735091	-6.5	-0.9	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ203	710976,737105	0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ204	714646,734202	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ205	714810,734154	-0.7	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ206	713534,734468	2.5	0.3	0.2	<1	Moderate Adverse	Negligible	Negligible
AQ207	712577,736299	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ208	714333,734278	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ209	713261,736568	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ210	714134,735029	-2.4	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ211	713090,736600	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ212	711872,736651	-3.1	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ213	713555,736542	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ214	713423,736559	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ215	711020,737028	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ216	711046,737006	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ217	710956,736923	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ218	711162,736950	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ219	711852,736659	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ220	709598,737723	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ221	711376,736900	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ222	709574,737737	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ223	709622,737709	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ224	711405,736888	-2.0	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ225	711891,736643	-3.2	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ226	709645,737696	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ227	709501,737779	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ228	709686,737693	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ229	709634,737702	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ230	706425,739183	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ231	708710,738289	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ232	714474,734021	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ233	714497,734253	-0.6	-0.1	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ234	708730,738265	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ235	708720,738278	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ236	714188,734993	-3.4	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ237	708759,738220	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ238	708741,738251	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ239	709324,737848	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ240	713336,735924	-7.4	-1.3	-0.8	<1	Slight Beneficial	Negligible	Negligible
AQ241	709325,737855	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ242	709400,737823	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ243	709184,737950	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ244	706619,739485	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ245	706585,739441	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ246	709362,737846	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ247	714373,734779	-3.5	-0.4	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ248	706459,739253	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ249	709476,737791	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ250	709430,737810	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ251	709470,737802	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ252	709499,737790	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ253	713437,735870	-6.9	-1.2	-0.7	<1	Slight Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ254	709404,737827	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ255	709439,737807	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ256	709558,737742	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ257	713533,735817	-4.9	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ258	712849,736150	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ259	712891,736129	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ260	708554,738408	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ261	708153,738717	<0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ262	713413,735884	-6.7	-1.1	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ263	713277,735898	-2.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ264	712902,736179	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ265	706498,739326	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ266	713334,735877	-2.5	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ267	714392,734685	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ268	711962,736626	-2.5	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ269	706499,739337	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ270	713967,735474	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ271	706539,739396	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ272	711920,736633	-3.2	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ273	706498,739365	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ274	708588,738387	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ275	714403,734610	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ276	708459,738491	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ277	706772,739670	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ278	706755,739663	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ279	711999,736604	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ280	713546,735754	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ281	712802,736173	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ282	712826,736160	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ283	714413,734700	-2.7	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ284	712018,736596	-3.8	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ285	713620,735759	-2.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ286	713474,735802	-3.1	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ287	713557,735794	-4.3	-0.7	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ288	714504,734667	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ289	713497,735791	-3.3	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ290	714407,734659	-2.0	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ291	713938,735466	-3.7	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ292	714066,735162	-13.4	-2.0	-1.3	<1	Moderate Beneficial	Negligible	Negligible
AQ293	714388,734653	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ294	714434,734680	-2.9	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ295	711773,736642	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ296	714107,735115	-11.2	-1.6	-1.0	<1	Moderate Beneficial	Negligible	Negligible
AQ297	714460,734670	-1.7	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ298	708784,738202	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ299	713965,735427	-3.1	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ300	713427,735824	-2.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ301	713442,735812	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ302	711749,736705	-3.2	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ303	714537,734631	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ304	714083,735143	-11.4	-1.7	-1.1	<1	Moderate Beneficial	Negligible	Negligible
AQ305	714405,734639	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ306	713926,735504	-1.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ307	713377,735858	-2.7	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ308	713907,735517	-2.5	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ309	713862,735512	-3.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ310	713871,735503	-3.0	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ311	711750,736655	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ312	711732,736714	-3.2	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ313	713741,735610	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ314	712231,736468	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ315	713856,735481	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ316	714532,734591	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ317	711097,737046	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ318	713479,735855	-5.0	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ319	714401,734591	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ320	712136,736557	-3.6	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ321	712212,736481	-1.8	-0.2	-0.2	<1	Negligible	Negligible	Negligible
AQ322	711056,737068	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ323	714526,734551	-1.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ324	712177,736496	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ325	712195,736488	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ326	712195,736536	-3.1	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ327	713672,735710	-3.2	-0.6	-0.3	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ328	714445,734546	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ329	712081,736539	-2.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ330	713694,735693	-3.2	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ331	714352,734774	-2.1	-0.2	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ332	714373,734749	-3.3	-0.4	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ333	712408,736488	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ334	711574,736743	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ335	711640,736631	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ336	711360,736845	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ337	711346,736766	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ338	712293,736562	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ339	708574,738776	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ340	708236,738906	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ341	708424,738767	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ342	713895,735184	1.1	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ343	708224,738489	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ344	706880,740091	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ345	707005,739642	0.6	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ346	707365,739375	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ347	714592,734926	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ348	714363,734867	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ349	714113,735173	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ350	714343,734918	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ351	714575,734672	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ352	714370,734935	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ353	714404,734974	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ354	714022,735494	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ355	714069,735457	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ356	714580,734342	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ357	714071,735508	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ358	714175,735504	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ359	713965,735343	-2.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ360	712320,736546	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ361	712571,736258	0.5	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ362	712420,736598	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ363	714247,734502	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ364	710909,737143	0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ365	713123,736239	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ366	714223,734609	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ367	714753,734468	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ368	714560,734595	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ369	714700,734424	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ370	710873,737163	0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ371	714350,734494	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ372	714540,734545	-1.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ373	708080,738558	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ374	714023,735547	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ375	713988,735531	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ376	708278,738492	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ377	708867,737984	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ378	708948,738003	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ379	714642,734888	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ380	709411,737927	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ381	709382,737967	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ382	707509,739233	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ383	714745,734486	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ384	714654,734484	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ385	714776,734569	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ386	714724,734690	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ387	713019,736109	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ388	712731,736319	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ389	712958,736142	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ390	712770,736254	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ391	714165,734430	-1.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ392	714708,734311	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ393	712054,736532	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ394	712035,736538	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ395	712015,736562	-2.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ396	712028,736555	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ397	712251,736514	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ398	712176,736594	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ399	711303,736944	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ400	711346,736923	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ401	711413,737033	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days $> 50 \mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ402	710510,737512	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ403	710328,737778	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ404	713916,735167	2.7	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ405	713921,735251	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ406	714050,734800	0.3	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ407	709569,737665	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ408	709715,737642	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ409	714077,734263	<0.1	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ410	713709,734303	-0.8	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ411	713806,734404	2.8	0.6	0.4	<1	Moderate Adverse	Negligible	Negligible
AQ412	714044,734365	-11.1	0.4	0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ413	713478,734481	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ414	711294,736667	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ415	713408,736622	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ416	712908,735371	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ417	713021,735187	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ418	714921,735596	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ419	712660,737004	-0.8	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ420	712848,736497	-1.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible

The significance of the changes in the concentration of each of the ambient receptors has been determined in the context of the TII significance criteria (TII 2011), as described in Section 7.2.4.1.4 in Chapter 7 (Air Quality). The majority of modelled receptors are estimated to experience a negligible impact due to the Proposed Scheme in terms of the annual mean NO_2 concentration. A slightly beneficial impact is estimated at 53 receptors, a moderate beneficial impact at 16 receptors and one substantial beneficial impact. All beneficial impacts are modelled along the Proposed Scheme. A slight adverse impact is expected at two receptors, and a moderate adverse impact at two receptors on the R109 Parkgate St. These localised moderate adverse impacts are considered negative, significant and short-term as NO_2 concentrations exceed the limit value but only occur during the short-term construction phase. The Proposed Scheme is overall neutral in terms of annual mean PM_{10} and $\text{PM}_{2.5}$ concentrations, with all receptors experiencing a negligible impact.

2. Operational Traffic Assessment

2.1 'Do Minimum' Scenario

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

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

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. (µg/m ³)			No of PM ₁₀ days > 50 µg/m ³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713494,735835	30.3	15.7	11.0	<1
AQ2	712077,736576	27.7	15.1	10.7	<1
AQ3	713631,735750	26.4	15.1	10.6	<1
AQ4	713642,735733	27.4	15.3	10.7	<1
AQ5	712107,736568	27.1	15.0	10.6	<1
AQ6	713725,735622	25.9	15.0	10.6	<1
AQ7	714379,734737	33.9	15.8	11.1	1
AQ8	713718,735674	27.9	15.4	10.8	<1
AQ9	713636,735685	25.4	14.9	10.5	<1
AQ10	714400,734722	40.4	16.7	11.6	1
AQ11	713662,735659	24.8	14.8	10.5	<1
AQ12	713830,735544	28.7	15.4	10.8	<1
AQ13	712286,736441	23.7	14.5	10.3	<1
AQ14	714378,734710	33.6	15.8	11.1	<1
AQ15	714410,734556	33.7	15.9	11.2	1
AQ16	712253,736459	23.8	14.6	10.3	<1
AQ17	713884,735539	28.8	15.4	10.8	<1
AQ18	713603,735708	25.2	14.9	10.5	<1
AQ19	711001,737269	22.5	14.5	10.3	<1
AQ20	710726,737182	23.0	14.6	10.4	<1
AQ21	714029,735222	39.3	16.9	11.7	1
AQ22	712384,736436	26.8	15.0	10.6	<1
AQ23	714358,734445	34.3	16.0	11.2	1
AQ24	714399,734572	35.0	16.4	11.4	1
AQ25	714332,734823	34.7	16.0	11.2	1
AQ26	714004,735242	28.7	15.3	10.8	<1
AQ27	713987,735284	34.5	16.1	11.3	1
AQ28	712934,736097	23.0	14.5	10.3	<1
AQ29	714347,734803	36.8	16.3	11.4	1
AQ30	712360,736450	26.4	14.9	10.6	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ31	714021,735199	28.7	15.3	10.8	<1
AQ32	712408,736425	26.4	14.9	10.5	<1
AQ33	711775,736693	26.3	15.0	10.6	<1
AQ34	714394,734458	33.5	15.9	11.1	1
AQ35	713996,735298	32.5	15.8	11.1	1
AQ36	713973,735329	34.8	16.2	11.3	1
AQ37	714423,734521	31.2	15.5	10.9	<1
AQ38	713967,735400	31.9	15.7	11.0	<1
AQ39	714526,734396	35.5	16.0	11.2	1
AQ40	714520,734385	34.7	15.9	11.2	1
AQ41	711653,736755	26.9	15.1	10.6	<1
AQ42	711636,736764	26.9	15.1	10.6	<1
AQ43	714381,734400	43.4	16.9	11.7	1
AQ44	714380,734413	41.9	17.0	11.8	1
AQ45	714362,734427	38.0	16.5	11.5	1
AQ46	714503,734359	35.4	15.9	11.1	1
AQ47	708137,738735	27.1	15.5	10.9	<1
AQ48	714509,734396	33.1	15.7	11.0	<1
AQ49	714118,735045	27.7	15.1	10.7	<1
AQ50	714516,734358	36.7	16.0	11.2	1
AQ51	714458,734374	32.8	15.7	11.0	<1
AQ52	714389,734384	37.0	16.0	11.2	1
AQ53	711682,736741	26.7	15.0	10.6	<1
AQ54	714473,734387	32.5	15.7	11.0	<1
AQ55	714348,734390	35.1	15.9	11.1	1
AQ56	711669,736748	26.6	15.0	10.6	<1
AQ57	714411,734396	36.7	16.1	11.3	1
AQ58	711714,736674	23.6	14.6	10.3	<1
AQ59	714228,734948	28.6	15.2	10.7	<1
AQ60	711715,736722	26.9	15.1	10.6	<1
AQ61	711663,736700	23.4	14.6	10.3	<1
AQ62	711677,736693	23.5	14.6	10.3	<1
AQ63	714287,734914	34.4	16.0	11.2	1
AQ64	712403,736380	23.8	14.6	10.3	<1
AQ65	712387,736388	23.7	14.6	10.3	<1
AQ66	714289,734860	28.9	15.3	10.8	<1
AQ67	714353,734371	40.2	16.4	11.4	1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ68	712427,736368	23.9	14.6	10.3	<1
AQ69	712542,736353	26.9	15.0	10.6	<1
AQ70	712484,736342	24.6	14.7	10.4	<1
AQ71	714295,734899	34.9	16.1	11.3	1
AQ72	714411,734363	33.8	15.8	11.1	<1
AQ73	714438,734330	37.1	16.4	11.5	1
AQ74	714044,735196	38.2	16.7	11.6	1
AQ75	712563,736340	27.6	15.1	10.7	<1
AQ76	708401,738533	29.6	16.0	11.1	1
AQ77	714058,735176	37.2	16.6	11.5	1
AQ78	712350,736408	23.7	14.6	10.3	<1
AQ79	714059,735131	26.6	15.0	10.6	<1
AQ80	712487,736389	25.5	14.8	10.5	<1
AQ81	714527,734413	35.6	16.1	11.3	1
AQ82	712466,736401	25.4	14.8	10.5	<1
AQ83	711503,736794	25.6	14.9	10.5	<1
AQ84	714473,734325	37.4	16.5	11.5	1
AQ85	711491,736840	28.0	15.2	10.7	<1
AQ86	712311,736427	23.6	14.5	10.3	<1
AQ87	711542,736813	27.0	15.1	10.6	<1
AQ88	711517,736825	28.0	15.2	10.7	<1
AQ89	714513,734427	32.0	15.6	11.0	<1
AQ90	711454,736861	26.8	15.1	10.6	<1
AQ91	711485,736844	27.5	15.1	10.7	<1
AQ92	711619,736773	26.9	15.1	10.6	<1
AQ93	706821,739697	26.4	15.2	10.7	<1
AQ94	711567,736800	26.9	15.1	10.6	<1
AQ95	711593,736787	26.8	15.1	10.6	<1
AQ96	714030,735193	31.3	15.7	11.0	<1
AQ97	712582,736338	26.6	14.9	10.6	<1
AQ98	714528,734447	32.4	15.7	11.0	<1
AQ99	712442,736411	25.7	14.8	10.5	<1
AQ100	712445,736358	23.8	14.6	10.3	<1
AQ101	707391,738959	24.1	14.8	10.5	<1
AQ102	706949,738702	22.7	14.5	10.3	<1
AQ103	714052,735163	33.3	16.0	11.2	1
AQ104	707870,739289	29.8	15.4	10.9	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ105	708191,739544	22.9	14.6	10.3	<1
AQ106	714258,734954	38.1	16.6	11.6	1
AQ107	714879,734584	41.7	17.1	11.9	1
AQ108	714878,734543	42.5	17.2	11.9	1
AQ109	709469,738256	24.2	14.8	10.5	<1
AQ110	714509,734508	31.5	15.6	11.0	<1
AQ111	714232,734996	30.7	15.5	10.9	<1
AQ112	714762,734073	33.7	15.9	11.2	1
AQ113	714058,735154	32.7	15.9	11.1	1
AQ114	714517,734470	33.9	16.0	11.2	1
AQ115	710097,736854	22.0	14.4	10.2	<1
AQ116	714515,734447	35.2	16.2	11.3	1
AQ117	709227,737599	24.9	14.9	10.5	<1
AQ118	714194,735028	36.7	16.2	11.3	1
AQ119	711062,737673	23.9	14.6	10.4	<1
AQ120	711417,737665	23.0	14.5	10.3	<1
AQ121	712664,736245	23.5	14.5	10.3	<1
AQ122	714249,734974	34.4	16.1	11.2	1
AQ123	710976,737366	22.4	14.5	10.3	<1
AQ124	714512,734498	31.0	15.5	10.9	<1
AQ125	710905,737551	23.9	14.7	10.4	<1
AQ126	713801,735612	28.5	15.5	10.9	<1
AQ127	712212,737506	25.0	14.8	10.5	<1
AQ128	712895,736645	24.2	14.6	10.4	<1
AQ129	714272,734941	34.0	16.0	11.2	1
AQ130	712147,737687	21.5	14.3	10.2	<1
AQ131	711468,737538	22.2	14.4	10.2	<1
AQ132	713784,735625	28.5	15.5	10.9	<1
AQ133	712709,735638	20.8	14.2	10.1	<1
AQ134	714422,734735	44.5	17.3	12.0	1
AQ135	714203,735020	36.2	16.1	11.3	1
AQ136	712578,735874	22.6	14.4	10.3	<1
AQ137	714891,734794	40.8	16.7	11.6	1
AQ138	714961,734893	32.7	15.9	11.1	1
AQ139	713157,736571	23.2	14.5	10.3	<1
AQ140	714177,735042	38.5	16.4	11.5	1
AQ141	711223,737755	21.0	14.2	10.1	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ142	714303,734881	32.1	15.7	11.0	<1
AQ143	712767,736192	23.4	14.5	10.3	<1
AQ144	712791,735648	22.2	14.4	10.2	<1
AQ145	714173,735008	29.7	15.3	10.8	<1
AQ146	713121,736354	24.7	14.7	10.4	<1
AQ147	714517,734691	30.4	15.5	10.9	<1
AQ148	714840,735685	23.3	14.5	10.3	<1
AQ149	714770,735716	24.4	14.6	10.4	<1
AQ150	714310,734866	32.7	15.8	11.1	<1
AQ151	713695,735957	24.1	14.6	10.4	<1
AQ152	714164,735052	40.8	16.7	11.7	1
AQ153	714428,735922	25.2	14.9	10.5	<1
AQ154	714940,735552	32.9	16.2	11.3	1
AQ155	712691,736229	23.2	14.5	10.3	<1
AQ156	714906,735362	26.4	15.1	10.6	<1
AQ157	714322,734844	33.3	15.9	11.1	1
AQ158	714941,735569	33.2	16.2	11.3	1
AQ159	714921,735625	29.5	15.5	10.9	<1
AQ160	713256,736151	25.1	14.8	10.5	<1
AQ161	711873,736609	24.6	14.7	10.4	<1
AQ162	712741,736435	24.5	14.6	10.4	<1
AQ163	712735,736209	23.5	14.5	10.3	<1
AQ164	713044,736468	25.0	14.7	10.4	<1
AQ165	713226,736127	23.8	14.6	10.3	<1
AQ166	712922,736666	26.0	14.9	10.5	<1
AQ167	712762,736797	26.0	14.9	10.6	<1
AQ168	712729,736917	25.7	14.9	10.5	<1
AQ169	711814,736629	24.0	14.6	10.4	<1
AQ170	712698,737170	23.7	14.6	10.3	<1
AQ171	714491,736188	23.6	14.5	10.3	<1
AQ172	714137,735077	33.0	15.7	11.0	<1
AQ173	714182,736248	22.5	14.4	10.2	<1
AQ174	714878,735918	30.3	15.3	10.8	<1
AQ175	714675,736146	24.8	14.7	10.4	<1
AQ176	713788,735581	27.9	15.3	10.8	<1
AQ177	714410,734683	38.6	16.9	11.7	1
AQ178	711899,736600	25.0	14.8	10.5	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ179	713617,736528	22.5	14.4	10.2	<1
AQ180	713721,736519	24.0	14.5	10.3	<1
AQ181	714056,736284	22.4	14.4	10.2	<1
AQ182	714013,736324	23.4	14.5	10.3	<1
AQ183	713772,735645	26.8	15.2	10.7	<1
AQ184	713772,735111	21.4	14.2	10.1	<1
AQ185	713849,734980	21.3	14.2	10.1	<1
AQ186	714340,734787	30.3	15.4	10.8	<1
AQ187	714943,735327	32.7	16.2	11.3	1
AQ188	714120,735063	27.7	15.1	10.6	<1
AQ189	712632,736262	23.8	14.6	10.3	<1
AQ190	714544,734737	31.7	15.5	10.9	<1
AQ191	714516,734318	39.9	16.8	11.7	1
AQ192	711813,736673	26.7	15.0	10.6	<1
AQ193	713669,735338	33.0	15.7	11.0	<1
AQ194	712560,736308	26.7	14.9	10.6	<1
AQ195	714192,735608	27.8	15.2	10.7	<1
AQ196	714529,734315	37.6	16.6	11.5	1
AQ197	713808,735043	21.5	14.3	10.2	<1
AQ198	713970,734866	22.0	14.3	10.2	<1
AQ199	711019,737181	23.8	14.6	10.4	<1
AQ200	714201,734361	33.9	16.3	11.4	1
AQ201	711108,737082	24.1	14.6	10.4	<1
AQ202	714127,735091	31.4	15.6	11.0	<1
AQ203	710976,737105	29.8	15.7	11.0	<1
AQ204	714646,734202	29.5	15.4	10.8	<1
AQ205	714810,734154	40.4	16.7	11.6	1
AQ206	713546,734464	39.7	16.9	11.7	1
AQ207	712577,736299	27.9	15.1	10.7	<1
AQ208	714333,734278	35.5	16.1	11.3	1
AQ209	713261,736568	23.1	14.5	10.3	<1
AQ210	714134,735029	27.8	15.1	10.6	<1
AQ211	713090,736600	24.4	14.6	10.4	<1
AQ212	711872,736651	26.5	15.0	10.6	<1
AQ213	713555,736542	22.4	14.4	10.2	<1
AQ214	713423,736559	22.7	14.4	10.2	<1
AQ215	711020,737028	26.5	14.9	10.6	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ216	711046,737006	24.1	14.6	10.4	<1
AQ217	710956,736923	24.3	14.7	10.4	<1
AQ218	711162,736950	23.7	14.6	10.4	<1
AQ219	711852,736659	26.4	15.0	10.6	<1
AQ220	709598,737723	22.7	14.5	10.3	<1
AQ221	711376,736900	26.8	15.1	10.6	<1
AQ222	709574,737737	22.8	14.6	10.3	<1
AQ223	709622,737709	22.6	14.5	10.3	<1
AQ224	711405,736888	26.3	15.0	10.6	<1
AQ225	711891,736643	27.0	15.1	10.6	<1
AQ226	709645,737696	22.6	14.5	10.3	<1
AQ227	709501,737779	23.1	14.6	10.3	<1
AQ228	709686,737693	23.2	14.6	10.4	<1
AQ229	709634,737702	22.6	14.5	10.3	<1
AQ230	706425,739183	23.0	14.6	10.3	<1
AQ231	708710,738289	26.2	15.1	10.7	<1
AQ232	714474,734021	22.4	14.4	10.2	<1
AQ233	714497,734253	36.0	16.3	11.4	1
AQ234	708730,738265	26.3	15.2	10.7	<1
AQ235	708720,738278	26.2	15.1	10.7	<1
AQ236	714188,734993	29.2	15.3	10.8	<1
AQ237	708759,738220	27.1	15.3	10.8	<1
AQ238	708741,738251	26.5	15.2	10.7	<1
AQ239	709324,737848	23.3	14.6	10.4	<1
AQ240	713336,735924	31.8	16.0	11.2	1
AQ241	709325,737855	23.4	14.6	10.4	<1
AQ242	709400,737823	23.1	14.6	10.4	<1
AQ243	709184,737950	25.6	14.9	10.6	<1
AQ244	706619,739485	26.8	15.2	10.7	<1
AQ245	706585,739441	27.3	15.3	10.7	<1
AQ246	709362,737846	23.4	14.6	10.4	<1
AQ247	714373,734779	36.6	16.2	11.4	1
AQ248	706459,739253	23.7	14.7	10.4	<1
AQ249	709476,737791	23.1	14.6	10.4	<1
AQ250	709430,737810	23.1	14.6	10.3	<1
AQ251	709470,737802	23.4	14.7	10.4	<1
AQ252	709499,737790	23.4	14.7	10.4	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ253	713437,735870	30.1	15.7	11.0	<1
AQ254	709404,737827	23.3	14.6	10.4	<1
AQ255	709439,737807	23.1	14.6	10.4	<1
AQ256	709558,737742	22.7	14.5	10.3	<1
AQ257	713533,735817	28.6	15.4	10.8	<1
AQ258	712849,736150	23.6	14.5	10.3	<1
AQ259	712891,736129	24.3	14.7	10.4	<1
AQ260	708554,738408	26.5	15.2	10.7	<1
AQ261	708153,738717	26.8	15.4	10.8	<1
AQ262	713413,735884	30.0	15.7	11.0	<1
AQ263	713277,735898	25.0	14.8	10.5	<1
AQ264	712902,736179	24.9	14.7	10.4	<1
AQ265	706498,739326	24.9	14.8	10.5	<1
AQ266	713334,735877	25.0	14.8	10.5	<1
AQ267	714392,734685	31.7	15.7	11.0	<1
AQ268	711962,736626	26.5	14.9	10.6	<1
AQ269	706499,739337	24.7	14.8	10.5	<1
AQ270	713967,735474	30.0	15.3	10.8	<1
AQ271	706539,739396	27.0	15.2	10.7	<1
AQ272	711920,736633	27.8	15.2	10.7	<1
AQ273	706498,739365	24.8	14.8	10.5	<1
AQ274	708588,738387	26.1	15.1	10.7	<1
AQ275	714403,734610	33.7	16.2	11.3	1
AQ276	708459,738491	28.5	15.7	11.0	<1
AQ277	706772,739670	24.6	14.9	10.5	<1
AQ278	706755,739663	24.1	14.8	10.4	<1
AQ279	711999,736604	27.4	15.1	10.6	<1
AQ280	713546,735754	25.8	15.0	10.6	<1
AQ281	712802,736173	23.4	14.5	10.3	<1
AQ282	712826,736160	23.5	14.5	10.3	<1
AQ283	714413,734700	35.1	16.1	11.3	1
AQ284	712018,736596	27.8	15.1	10.7	<1
AQ285	713620,735759	26.4	15.1	10.6	<1
AQ286	713474,735802	25.8	14.9	10.6	<1
AQ287	713557,735794	29.1	15.5	10.9	<1
AQ288	714504,734667	29.3	15.3	10.8	<1
AQ289	713497,735791	26.6	15.1	10.6	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ290	714407,734659	34.8	16.4	11.4	1
AQ291	713938,735466	35.1	15.8	11.1	<1
AQ292	714066,735162	39.6	17.0	11.8	1
AQ293	714388,734653	31.6	15.8	11.1	1
AQ294	714434,734680	33.3	15.9	11.2	1
AQ295	711773,736642	23.4	14.5	10.3	<1
AQ296	714107,735115	36.9	16.5	11.5	1
AQ297	714460,734670	29.7	15.4	10.8	<1
AQ298	708784,738202	28.9	15.6	11.0	<1
AQ299	713965,735427	30.1	15.4	10.8	<1
AQ300	713427,735824	25.0	14.8	10.5	<1
AQ301	713442,735812	24.7	14.8	10.5	<1
AQ302	711749,736705	26.6	15.0	10.6	<1
AQ303	714537,734631	33.2	15.9	11.1	1
AQ304	714083,735143	37.1	16.6	11.5	1
AQ305	714405,734639	34.3	16.3	11.4	1
AQ306	713926,735504	35.8	15.9	11.2	1
AQ307	713377,735858	25.1	14.8	10.5	<1
AQ308	713907,735517	31.7	15.6	11.0	<1
AQ309	713862,735512	30.6	15.7	11.0	<1
AQ310	713871,735503	31.9	15.8	11.1	<1
AQ311	711750,736655	23.6	14.6	10.3	<1
AQ312	711732,736714	26.6	15.0	10.6	<1
AQ313	713741,735610	26.0	15.0	10.6	<1
AQ314	712231,736468	23.5	14.5	10.3	<1
AQ315	713856,735481	30.1	15.5	10.9	<1
AQ316	714532,734591	33.3	15.9	11.1	1
AQ317	711097,737046	27.4	15.1	10.7	<1
AQ318	713479,735855	27.9	15.3	10.8	<1
AQ319	714401,734591	34.1	16.3	11.3	1
AQ320	712136,736557	27.2	15.0	10.6	<1
AQ321	712212,736481	23.8	14.6	10.3	<1
AQ322	711056,737068	29.5	15.3	10.8	<1
AQ323	714526,734551	33.8	16.0	11.2	1
AQ324	712177,736496	23.6	14.5	10.3	<1
AQ325	712195,736488	23.6	14.5	10.3	<1
AQ326	712195,736536	26.3	14.9	10.5	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ327	713672,735710	27.4	15.3	10.7	<1
AQ328	714445,734546	31.3	15.5	10.9	<1
AQ329	712081,736539	24.4	14.6	10.4	<1
AQ330	713694,735693	27.4	15.3	10.7	<1
AQ331	714352,734774	30.9	15.5	10.9	<1
AQ332	714373,734749	37.4	16.3	11.4	1
AQ333	712408,736488	22.4	14.4	10.2	<1
AQ334	711574,736743	22.9	14.5	10.3	<1
AQ335	711640,736631	21.4	14.3	10.2	<1
AQ336	711360,736845	23.0	14.5	10.3	<1
AQ337	711346,736766	21.9	14.3	10.2	<1
AQ338	712293,736562	22.0	14.3	10.2	<1
AQ339	708574,738776	23.2	14.7	10.4	<1
AQ340	708236,738906	23.7	14.8	10.5	<1
AQ341	708424,738767	24.4	14.9	10.5	<1
AQ342	713895,735184	24.0	14.6	10.4	<1
AQ343	708224,738489	24.2	14.7	10.4	<1
AQ344	706880,740091	29.4	15.7	11.0	<1
AQ345	707005,739642	24.6	14.9	10.5	<1
AQ346	707365,739375	29.2	15.9	11.1	1
AQ347	714592,734926	22.0	14.3	10.2	<1
AQ348	714363,734867	23.4	14.5	10.3	<1
AQ349	714113,735173	22.7	14.4	10.2	<1
AQ350	714343,734918	22.9	14.4	10.3	<1
AQ351	714575,734672	35.1	16.2	11.3	1
AQ352	714370,734935	22.4	14.4	10.2	<1
AQ353	714404,734974	22.0	14.3	10.2	<1
AQ354	714022,735494	27.0	15.0	10.6	<1
AQ355	714069,735457	22.1	14.3	10.2	<1
AQ356	714580,734342	29.5	15.4	10.8	<1
AQ357	714071,735508	25.7	14.8	10.5	<1
AQ358	714175,735504	21.7	14.3	10.2	<1
AQ359	713965,735343	28.2	15.2	10.7	<1
AQ360	712320,736546	22.0	14.3	10.2	<1
AQ361	712571,736258	22.6	14.4	10.2	<1
AQ362	712420,736598	21.3	14.2	10.1	<1
AQ363	714247,734502	22.5	14.4	10.2	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ364	710909,737143	26.0	15.1	10.7	<1
AQ365	713123,736239	21.8	14.3	10.2	<1
AQ366	714223,734609	22.0	14.3	10.2	<1
AQ367	714753,734468	23.4	14.5	10.3	<1
AQ368	714560,734595	31.4	15.6	11.0	<1
AQ369	714700,734424	23.4	14.5	10.3	<1
AQ370	710873,737163	25.7	15.1	10.6	<1
AQ371	714350,734494	28.7	15.2	10.7	<1
AQ372	714540,734545	35.6	16.2	11.3	1
AQ373	708080,738558	23.9	14.7	10.4	<1
AQ374	714023,735547	27.9	15.2	10.7	<1
AQ375	713988,735531	29.4	15.3	10.8	<1
AQ376	708278,738492	25.8	15.0	10.6	<1
AQ377	708867,737984	30.7	16.2	11.3	1
AQ378	708948,738003	27.4	15.5	10.9	<1
AQ379	714642,734888	22.1	14.3	10.2	<1
AQ380	709411,737927	27.0	15.3	10.7	<1
AQ381	709382,737967	26.5	15.0	10.6	<1
AQ382	707509,739233	24.4	14.9	10.5	<1
AQ383	714745,734486	23.8	14.5	10.3	<1
AQ384	714654,734484	23.4	14.5	10.3	<1
AQ385	714776,734569	24.0	14.5	10.3	<1
AQ386	714724,734690	29.7	15.5	10.9	<1
AQ387	713019,736109	24.5	14.7	10.4	<1
AQ388	712731,736319	22.4	14.4	10.2	<1
AQ389	712958,736142	24.7	14.7	10.4	<1
AQ390	712770,736254	23.4	14.5	10.3	<1
AQ391	714165,734430	27.7	15.2	10.7	<1
AQ392	714708,734311	35.7	16.2	11.3	1
AQ393	712054,736532	22.8	14.4	10.3	<1
AQ394	712035,736538	22.8	14.4	10.3	<1
AQ395	712015,736562	24.7	14.7	10.4	<1
AQ396	712028,736555	24.2	14.6	10.4	<1
AQ397	712251,736514	24.5	14.7	10.4	<1
AQ398	712176,736594	22.5	14.4	10.2	<1
AQ399	711303,736944	24.9	14.8	10.5	<1
AQ400	711346,736923	24.9	14.8	10.5	<1

DM (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ401	711413,737033	21.6	14.3	10.2	<1
AQ402	710510,737512	21.5	14.3	10.2	<1
AQ403	710328,737778	21.3	14.3	10.2	<1
AQ404	713916,735167	24.4	14.7	10.4	<1
AQ405	713921,735251	21.7	14.3	10.2	<1
AQ406	714050,734800	21.5	14.2	10.1	<1
AQ407	709569,737665	21.8	14.4	10.2	<1
AQ408	709715,737642	22.1	14.4	10.3	<1
AQ409	714077,734263	25.2	14.8	10.5	<1
AQ410	713709,734303	28.7	15.1	10.7	<1
AQ412	714044,734365	36.9	17.1	11.8	1
AQ413	713478,734481	34.2	15.9	11.2	1
AQ414	711294,736667	21.5	14.3	10.2	<1
AQ415	713408,736622	21.7	14.3	10.2	<1
AQ416	712908,735371	20.9	14.2	10.1	<1
AQ417	713021,735187	21.4	14.2	10.1	<1
AQ418	714921,735596	30.7	15.7	11.0	<1
AQ419	712660,737004	21.4	14.3	10.1	<1
AQ420	712848,736497	23.4	14.5	10.3	<1
AQ421	714878,734499	41.5	17.0	11.8	1
AQ422	714878,734515	41.9	17.1	11.9	1
AQ423	714862,734651	41.4	17.0	11.8	1
AQ424	714879,734672	44.7	17.7	12.2	1
AQ425	714879,734630	42.8	17.3	12.0	1
AQ426	714798,734245	43.6	16.5	11.6	1
AQ427	714878,734418	34.1	15.9	11.1	1
AQ428	715038,734717	29.8	15.5	10.9	<1
AQ429	715146,734807	38.1	16.7	11.6	1
AQ430	715248,734991	31.6	15.7	11.0	<1
Air Quality Limit Value Objective	40	40	25	35	

In the cumulative 2028 DM scenario 16 exceedances were modelled at receptors on the N1 Church St, R805 Manor St, R804 Blackhall Place and R148 Arran Quay. Annual mean NO_2 concentrations did not exceed $60\mu\text{g}/\text{m}^3$, indicating that exceedances of the NO_2 1-hour mean are unlikely to occur. Annual mean PM_{10} concentrations are below the relevant national air quality limit value objectives for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM_{10} concentration indicated that there is likely to be no more than one exceedance of the $50\mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean $\text{PM}_{2.5}$ concentrations are also below the relevant national air quality limit value limit value objectives for all modelled receptors.

2.2 'Do Something' Scenario

Predicted annual mean concentrations of NO₂, PM₁₀, PM_{2.5} and the number of exceedances of the 24-hour PM₁₀ objective, at all modelled existing air quality sensitive receptors in the cumulative 2028 DS scenario are listed in Table 2.1 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 ³)			No of PM ₁₀ days > 50 µg/m ³
		NO ₂	PM ₁₀	PM _{2.5}	
AQ1	713494,735835	23.6	14.6	10.3	<1
AQ2	712077,736576	26.0	14.9	10.5	<1
AQ3	713631,735750	23.2	14.5	10.3	<1
AQ4	713642,735733	23.5	14.6	10.3	<1
AQ5	712107,736568	25.4	14.8	10.5	<1
AQ6	713725,735622	23.0	14.5	10.3	<1
AQ7	714379,734737	29.4	15.1	10.7	<1
AQ8	713718,735674	23.6	14.6	10.4	<1
AQ9	713636,735685	22.7	14.4	10.3	<1
AQ10	714400,734722	33.5	15.5	10.9	<1
AQ11	713662,735659	22.6	14.4	10.2	<1
AQ12	713830,735544	24.1	14.7	10.4	<1
AQ13	712286,736441	23.3	14.5	10.3	<1
AQ14	714378,734710	30.2	15.1	10.7	<1
AQ15	714410,734556	32.5	15.3	10.8	<1
AQ16	712253,736459	23.4	14.5	10.3	<1
AQ17	713884,735539	24.2	14.7	10.4	<1
AQ18	713603,735708	22.7	14.4	10.3	<1
AQ19	711001,737269	22.1	14.4	10.2	<1
AQ20	710726,737182	23.1	14.5	10.3	<1
AQ21	714029,735222	27.4	15.1	10.7	<1
AQ22	712384,736436	25.4	14.8	10.5	<1
AQ23	714358,734445	32.3	15.5	10.9	<1
AQ24	714399,734572	35.6	15.4	10.9	<1
AQ25	714332,734823	26.5	14.9	10.5	<1
AQ26	714004,735242	24.8	14.7	10.4	<1
AQ27	713987,735284	26.8	15.0	10.6	<1
AQ28	712934,736097	22.5	14.4	10.2	<1
AQ29	714347,734803	27.6	15.1	10.6	<1
AQ30	712360,736450	25.2	14.8	10.4	<1
AQ31	714021,735199	23.8	14.6	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ32	712408,736425	25.1	14.7	10.4	<1
AQ33	711775,736693	25.5	14.9	10.5	<1
AQ34	714394,734458	31.8	15.4	10.9	<1
AQ35	713996,735298	26.4	15.0	10.6	<1
AQ36	713973,735329	26.9	15.0	10.6	<1
AQ37	714423,734521	30.0	15.2	10.7	<1
AQ38	713967,735400	25.9	14.9	10.5	<1
AQ39	714526,734396	31.8	15.5	10.9	<1
AQ40	714520,734385	31.5	15.4	10.9	<1
AQ41	711653,736755	25.9	14.9	10.5	<1
AQ42	711636,736764	25.9	14.9	10.5	<1
AQ43	714381,734400	39.5	16.0	11.2	1
AQ44	714380,734413	38.4	16.1	11.3	1
AQ45	714362,734427	35.4	15.8	11.1	<1
AQ46	714503,734359	32.6	15.6	11.0	<1
AQ47	708137,738735	26.9	15.4	10.8	<1
AQ48	714509,734396	30.4	15.3	10.8	<1
AQ49	714118,735045	23.8	14.6	10.3	<1
AQ50	714516,734358	33.6	15.7	11.0	<1
AQ51	714458,734374	31.4	15.5	10.9	<1
AQ52	714389,734384	35.4	15.7	11.0	<1
AQ53	711682,736741	25.6	14.9	10.5	<1
AQ54	714473,734387	30.5	15.4	10.8	<1
AQ55	714348,734390	35.0	15.6	11.0	<1
AQ56	711669,736748	25.6	14.9	10.5	<1
AQ57	714411,734396	34.6	15.7	11.0	<1
AQ58	711714,736674	23.0	14.5	10.3	<1
AQ59	714228,734948	25.3	14.7	10.4	<1
AQ60	711715,736722	25.9	14.9	10.5	<1
AQ61	711663,736700	23.0	14.5	10.3	<1
AQ62	711677,736693	23.0	14.5	10.3	<1
AQ63	714287,734914	26.5	14.8	10.5	<1
AQ64	712403,736380	23.5	14.5	10.3	<1
AQ65	712387,736388	23.5	14.5	10.3	<1
AQ66	714289,734860	24.8	14.6	10.4	<1
AQ67	714353,734371	40.3	16.1	11.3	1
AQ68	712427,736368	23.6	14.5	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ69	712542,736353	25.9	14.8	10.5	<1
AQ70	712484,736342	24.1	14.6	10.4	<1
AQ71	714295,734899	26.6	14.8	10.5	<1
AQ72	714411,734363	33.8	15.7	11.0	<1
AQ73	714438,734330	38.9	16.7	11.6	1
AQ74	714044,735196	25.0	14.8	10.5	<1
AQ75	712563,736340	26.8	15.0	10.6	<1
AQ76	708401,738533	29.7	16.0	11.2	1
AQ77	714058,735176	24.6	14.7	10.4	<1
AQ78	712350,736408	23.5	14.5	10.3	<1
AQ79	714059,735131	22.8	14.4	10.3	<1
AQ80	712487,736389	24.8	14.7	10.4	<1
AQ81	714527,734413	31.6	15.4	10.9	<1
AQ82	712466,736401	24.5	14.7	10.4	<1
AQ83	711503,736794	25.1	14.8	10.5	<1
AQ84	714473,734325	38.7	16.7	11.6	1
AQ85	711491,736840	27.4	15.1	10.6	<1
AQ86	712311,736427	23.3	14.5	10.3	<1
AQ87	711542,736813	26.2	14.9	10.6	<1
AQ88	711517,736825	27.2	15.1	10.6	<1
AQ89	714513,734427	29.4	15.2	10.7	<1
AQ90	711454,736861	26.2	14.9	10.6	<1
AQ91	711485,736844	26.8	15.0	10.6	<1
AQ92	711619,736773	25.9	14.9	10.5	<1
AQ93	706821,739697	24.5	14.8	10.4	<1
AQ94	711567,736800	26.0	14.9	10.5	<1
AQ95	711593,736787	25.9	14.9	10.5	<1
AQ96	714030,735193	24.0	14.6	10.4	<1
AQ97	712582,736338	26.1	14.8	10.5	<1
AQ98	714528,734447	28.6	15.1	10.7	<1
AQ99	712442,736411	24.7	14.7	10.4	<1
AQ100	712445,736358	23.5	14.5	10.3	<1
AQ101	707391,738959	24.3	14.8	10.5	<1
AQ102	706949,738702	23.1	14.6	10.3	<1
AQ103	714052,735163	24.3	14.7	10.4	<1
AQ104	707870,739289	27.6	15.3	10.8	<1
AQ105	708191,739544	23.8	14.7	10.4	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ106	714258,734954	28.2	15.0	10.6	<1
AQ107	714879,734584	34.7	16.1	11.3	1
AQ108	714878,734543	35.4	16.3	11.3	1
AQ109	709469,738256	24.1	14.8	10.5	<1
AQ110	714509,734508	29.4	15.2	10.7	<1
AQ111	714232,734996	24.8	14.6	10.4	<1
AQ112	714762,734073	30.1	15.4	10.8	<1
AQ113	714058,735154	24.0	14.6	10.4	<1
AQ114	714517,734470	28.7	15.2	10.7	<1
AQ115	710097,736854	21.8	14.3	10.2	<1
AQ116	714515,734447	30.1	15.3	10.8	<1
AQ117	709227,737599	23.7	14.7	10.4	<1
AQ118	714194,735028	25.8	14.8	10.5	<1
AQ119	711062,737673	24.6	14.7	10.4	<1
AQ120	711417,737665	23.0	14.5	10.3	<1
AQ121	712664,736245	23.4	14.5	10.3	<1
AQ122	714249,734974	26.7	14.9	10.5	<1
AQ123	710976,737366	22.0	14.4	10.2	<1
AQ124	714512,734498	28.1	15.1	10.6	<1
AQ125	710905,737551	23.1	14.5	10.3	<1
AQ126	713801,735612	23.8	14.6	10.4	<1
AQ127	712212,737506	26.2	15.0	10.6	<1
AQ128	712895,736645	25.0	14.7	10.4	<1
AQ129	714272,734941	26.5	14.8	10.5	<1
AQ130	712147,737687	21.5	14.3	10.2	<1
AQ131	711468,737538	23.2	14.5	10.3	<1
AQ132	713784,735625	23.8	14.6	10.4	<1
AQ133	712709,735638	20.9	14.2	10.1	<1
AQ134	714422,734735	35.5	15.5	10.9	<1
AQ135	714203,735020	25.6	14.7	10.4	<1
AQ136	712578,735874	23.0	14.5	10.3	<1
AQ137	714891,734794	39.9	16.3	11.4	1
AQ138	714961,734893	31.7	15.6	11.0	<1
AQ139	713157,736571	25.1	14.7	10.4	<1
AQ140	714177,735042	26.2	14.8	10.5	<1
AQ141	711223,737755	21.0	14.2	10.1	<1
AQ142	714303,734881	25.8	14.7	10.4	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ143	712767,736192	23.3	14.5	10.3	<1
AQ144	712791,735648	22.4	14.4	10.2	<1
AQ145	714173,735008	23.7	14.5	10.3	<1
AQ146	713121,736354	22.9	14.4	10.3	<1
AQ147	714517,734691	30.6	15.3	10.8	<1
AQ148	714840,735685	21.9	14.3	10.2	<1
AQ149	714770,735716	24.6	14.7	10.4	<1
AQ150	714310,734866	26.0	14.8	10.5	<1
AQ151	713695,735957	23.4	14.6	10.3	<1
AQ152	714164,735052	26.7	14.9	10.5	<1
AQ153	714428,735922	24.3	14.7	10.4	<1
AQ154	714940,735552	29.2	15.4	10.8	<1
AQ155	712691,736229	23.1	14.5	10.3	<1
AQ156	714906,735362	24.6	14.7	10.4	<1
AQ157	714322,734844	26.2	14.8	10.5	<1
AQ158	714941,735569	30.9	15.7	11.0	<1
AQ159	714921,735625	28.9	15.4	10.8	<1
AQ160	713256,736151	23.0	14.4	10.3	<1
AQ161	711873,736609	23.8	14.6	10.4	<1
AQ162	712741,736435	25.0	14.6	10.4	<1
AQ163	712735,736209	23.3	14.5	10.3	<1
AQ164	713044,736468	23.2	14.5	10.3	<1
AQ165	713226,736127	22.4	14.3	10.2	<1
AQ166	712922,736666	27.4	15.1	10.6	<1
AQ167	712762,736797	27.6	15.2	10.7	<1
AQ168	712729,736917	27.2	15.1	10.7	<1
AQ169	711814,736629	23.4	14.5	10.3	<1
AQ170	712698,737170	24.6	14.7	10.4	<1
AQ171	714491,736188	26.1	14.8	10.5	<1
AQ172	714137,735077	24.5	14.6	10.4	<1
AQ173	714182,736248	24.0	14.6	10.3	<1
AQ174	714878,735918	33.1	15.2	10.8	<1
AQ175	714675,736146	28.0	15.1	10.6	<1
AQ176	713788,735581	23.7	14.6	10.4	<1
AQ177	714410,734683	37.8	15.8	11.1	<1
AQ178	711899,736600	24.2	14.6	10.4	<1
AQ179	713617,736528	24.4	14.6	10.4	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ180	713721,736519	27.2	15.0	10.6	<1
AQ181	714056,736284	24.0	14.6	10.3	<1
AQ182	714013,736324	25.9	14.8	10.5	<1
AQ183	713772,735645	23.2	14.5	10.3	<1
AQ184	713772,735111	21.8	14.3	10.2	<1
AQ185	713849,734980	21.7	14.3	10.2	<1
AQ186	714340,734787	25.8	14.8	10.5	<1
AQ187	714943,735327	28.8	15.3	10.8	<1
AQ188	714120,735063	23.4	14.5	10.3	<1
AQ189	712632,736262	23.7	14.5	10.3	<1
AQ190	714544,734737	32.8	15.5	10.9	<1
AQ191	714516,734318	39.2	16.8	11.7	1
AQ192	711813,736673	25.9	14.9	10.5	<1
AQ193	713669,735338	31.5	15.5	10.9	<1
AQ194	712560,736308	26.5	14.9	10.5	<1
AQ195	714192,735608	24.3	14.7	10.4	<1
AQ196	714529,734315	37.5	16.6	11.6	1
AQ197	713808,735043	22.1	14.3	10.2	<1
AQ198	713970,734866	22.7	14.4	10.3	<1
AQ199	711019,737181	23.1	14.5	10.3	<1
AQ200	714201,734361	35.5	16.5	11.5	1
AQ201	711108,737082	23.3	14.5	10.3	<1
AQ202	714127,735091	23.9	14.6	10.3	<1
AQ203	710976,737105	28.7	15.3	10.8	<1
AQ204	714646,734202	28.3	15.3	10.7	<1
AQ205	714810,734154	35.4	16.0	11.2	1
AQ206	713546,734464	37.0	16.3	11.4	1
AQ207	712577,736299	28.3	15.1	10.7	<1
AQ208	714333,734278	35.3	16.1	11.2	1
AQ209	713261,736568	25.3	14.7	10.5	<1
AQ210	714134,735029	23.7	14.5	10.3	<1
AQ211	713090,736600	26.9	15.0	10.6	<1
AQ212	711872,736651	25.9	14.9	10.5	<1
AQ213	713555,736542	24.3	14.6	10.4	<1
AQ214	713423,736559	24.8	14.7	10.4	<1
AQ215	711020,737028	24.3	14.7	10.4	<1
AQ216	711046,737006	23.3	14.5	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM ₁₀ days > 50 $\mu\text{g}/\text{m}^3$
		NO ₂	PM ₁₀	PM _{2.5}	
AQ217	710956,736923	23.0	14.5	10.3	<1
AQ218	711162,736950	23.4	14.5	10.3	<1
AQ219	711852,736659	25.7	14.9	10.5	<1
AQ220	709598,737723	22.3	14.5	10.3	<1
AQ221	711376,736900	26.3	15.0	10.6	<1
AQ222	709574,737737	22.4	14.5	10.3	<1
AQ223	709622,737709	22.3	14.5	10.3	<1
AQ224	711405,736888	25.8	14.9	10.5	<1
AQ225	711891,736643	26.3	15.0	10.6	<1
AQ226	709645,737696	22.2	14.5	10.3	<1
AQ227	709501,737779	22.6	14.5	10.3	<1
AQ228	709686,737693	22.7	14.6	10.3	<1
AQ229	709634,737702	22.2	14.5	10.3	<1
AQ230	706425,739183	22.8	14.5	10.3	<1
AQ231	708710,738289	25.5	15.1	10.6	<1
AQ232	714474,734021	21.8	14.3	10.2	<1
AQ233	714497,734253	32.8	15.9	11.1	1
AQ234	708730,738265	25.6	15.1	10.6	<1
AQ235	708720,738278	25.6	15.1	10.6	<1
AQ236	714188,734993	23.8	14.5	10.3	<1
AQ237	708759,738220	26.3	15.2	10.7	<1
AQ238	708741,738251	25.8	15.1	10.7	<1
AQ239	709324,737848	22.7	14.5	10.3	<1
AQ240	713336,735924	27.4	14.9	10.5	<1
AQ241	709325,737855	22.8	14.6	10.3	<1
AQ242	709400,737823	22.5	14.5	10.3	<1
AQ243	709184,737950	24.3	14.8	10.5	<1
AQ244	706619,739485	23.9	14.7	10.4	<1
AQ245	706585,739441	24.4	14.7	10.4	<1
AQ246	709362,737846	22.7	14.5	10.3	<1
AQ247	714373,734779	28.2	15.1	10.7	<1
AQ248	706459,739253	23.3	14.5	10.3	<1
AQ249	709476,737791	22.6	14.5	10.3	<1
AQ250	709430,737810	22.5	14.5	10.3	<1
AQ251	709470,737802	22.7	14.6	10.3	<1
AQ252	709499,737790	22.8	14.6	10.3	<1
AQ253	713437,735870	23.7	14.6	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ254	709404,737827	22.6	14.5	10.3	<1
AQ255	709439,737807	22.5	14.5	10.3	<1
AQ256	709558,737742	22.3	14.5	10.3	<1
AQ257	713533,735817	23.6	14.6	10.3	<1
AQ258	712849,736150	23.4	14.5	10.3	<1
AQ259	712891,736129	23.9	14.5	10.3	<1
AQ260	708554,738408	26.4	15.2	10.7	<1
AQ261	708153,738717	26.9	15.4	10.8	<1
AQ262	713413,735884	24.2	14.6	10.4	<1
AQ263	713277,735898	22.9	14.4	10.2	<1
AQ264	712902,736179	24.6	14.6	10.4	<1
AQ265	706498,739326	24.1	14.6	10.4	<1
AQ266	713334,735877	22.7	14.4	10.2	<1
AQ267	714392,734685	30.3	15.1	10.6	<1
AQ268	711962,736626	25.4	14.8	10.5	<1
AQ269	706499,739337	23.8	14.6	10.3	<1
AQ270	713967,735474	24.9	14.7	10.4	<1
AQ271	706539,739396	24.7	14.7	10.4	<1
AQ272	711920,736633	26.9	15.0	10.6	<1
AQ273	706498,739365	23.5	14.5	10.3	<1
AQ274	708588,738387	25.9	15.1	10.6	<1
AQ275	714403,734610	34.8	15.3	10.8	<1
AQ276	708459,738491	28.6	15.7	11.0	<1
AQ277	706772,739670	23.2	14.6	10.3	<1
AQ278	706755,739663	22.9	14.5	10.3	<1
AQ279	711999,736604	25.9	14.9	10.5	<1
AQ280	713546,735754	23.2	14.5	10.3	<1
AQ281	712802,736173	23.3	14.5	10.3	<1
AQ282	712826,736160	23.4	14.5	10.3	<1
AQ283	714413,734700	32.0	15.3	10.8	<1
AQ284	712018,736596	26.1	14.9	10.5	<1
AQ285	713620,735759	23.2	14.5	10.3	<1
AQ286	713474,735802	22.6	14.4	10.2	<1
AQ287	713557,735794	24.1	14.6	10.4	<1
AQ288	714504,734667	27.9	15.0	10.6	<1
AQ289	713497,735791	23.1	14.5	10.3	<1
AQ290	714407,734659	35.7	15.4	10.8	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ291	713938,735466	26.6	14.9	10.5	<1
AQ292	714066,735162	25.0	14.8	10.5	<1
AQ293	714388,734653	32.0	15.1	10.7	<1
AQ294	714434,734680	31.9	15.4	10.9	<1
AQ295	711773,736642	22.9	14.5	10.3	<1
AQ296	714107,735115	24.8	14.8	10.4	<1
AQ297	714460,734670	28.6	15.0	10.6	<1
AQ298	708784,738202	27.6	15.5	10.9	<1
AQ299	713965,735427	25.1	14.8	10.5	<1
AQ300	713427,735824	22.4	14.4	10.2	<1
AQ301	713442,735812	22.3	14.4	10.2	<1
AQ302	711749,736705	25.8	14.9	10.5	<1
AQ303	714537,734631	29.6	15.3	10.8	<1
AQ304	714083,735143	24.7	14.8	10.4	<1
AQ305	714405,734639	35.5	15.4	10.8	<1
AQ306	713926,735504	27.3	14.9	10.6	<1
AQ307	713377,735858	22.6	14.4	10.2	<1
AQ308	713907,735517	25.5	14.8	10.5	<1
AQ309	713862,735512	25.0	14.8	10.5	<1
AQ310	713871,735503	25.6	14.9	10.5	<1
AQ311	711750,736655	23.0	14.5	10.3	<1
AQ312	711732,736714	25.8	14.9	10.5	<1
AQ313	713741,735610	23.0	14.5	10.3	<1
AQ314	712231,736468	23.1	14.5	10.3	<1
AQ315	713856,735481	25.8	14.9	10.5	<1
AQ316	714532,734591	29.6	15.3	10.8	<1
AQ317	711097,737046	26.2	14.9	10.5	<1
AQ318	713479,735855	23.2	14.5	10.3	<1
AQ319	714401,734591	35.0	15.3	10.8	<1
AQ320	712136,736557	25.5	14.8	10.5	<1
AQ321	712212,736481	23.4	14.5	10.3	<1
AQ322	711056,737068	26.7	15.0	10.6	<1
AQ323	714526,734551	30.0	15.3	10.8	<1
AQ324	712177,736496	23.4	14.5	10.3	<1
AQ325	712195,736488	23.4	14.5	10.3	<1
AQ326	712195,736536	24.8	14.7	10.4	<1
AQ327	713672,735710	23.5	14.6	10.3	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ328	714445,734546	29.5	15.1	10.7	<1
AQ329	712081,736539	24.3	14.6	10.4	<1
AQ330	713694,735693	23.6	14.6	10.3	<1
AQ331	714352,734774	26.2	14.8	10.5	<1
AQ332	714373,734749	29.8	15.2	10.7	<1
AQ333	712408,736488	22.0	14.3	10.2	<1
AQ334	711574,736743	22.6	14.4	10.2	<1
AQ335	711640,736631	21.2	14.2	10.1	<1
AQ336	711360,736845	22.6	14.4	10.2	<1
AQ337	711346,736766	21.5	14.3	10.2	<1
AQ338	712293,736562	21.7	14.3	10.2	<1
AQ339	708574,738776	23.3	14.7	10.4	<1
AQ340	708236,738906	23.7	14.8	10.5	<1
AQ341	708424,738767	24.6	14.9	10.5	<1
AQ342	713895,735184	23.4	14.5	10.3	<1
AQ343	708224,738489	24.5	14.8	10.4	<1
AQ344	706880,740091	27.8	15.5	10.8	<1
AQ345	707005,739642	24.3	14.7	10.4	<1
AQ346	707365,739375	28.9	15.7	11.0	<1
AQ347	714592,734926	21.7	14.2	10.1	<1
AQ348	714363,734867	21.9	14.3	10.2	<1
AQ349	714113,735173	21.2	14.2	10.1	<1
AQ350	714343,734918	21.7	14.2	10.1	<1
AQ351	714575,734672	31.7	15.6	11.0	<1
AQ352	714370,734935	21.5	14.2	10.1	<1
AQ353	714404,734974	21.4	14.2	10.1	<1
AQ354	714022,735494	23.8	14.6	10.3	<1
AQ355	714069,735457	21.2	14.2	10.1	<1
AQ356	714580,734342	29.1	15.3	10.8	<1
AQ357	714071,735508	23.3	14.5	10.3	<1
AQ358	714175,735504	21.1	14.2	10.1	<1
AQ359	713965,735343	24.4	14.7	10.4	<1
AQ360	712320,736546	21.7	14.3	10.2	<1
AQ361	712571,736258	22.9	14.4	10.2	<1
AQ362	712420,736598	21.1	14.2	10.1	<1
AQ363	714247,734502	22.5	14.4	10.2	<1
AQ364	710909,737143	26.1	14.9	10.5	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ365	713123,736239	21.3	14.2	10.1	<1
AQ366	714223,734609	22.0	14.3	10.2	<1
AQ367	714753,734468	23.3	14.4	10.3	<1
AQ368	714560,734595	28.2	15.1	10.7	<1
AQ369	714700,734424	23.2	14.5	10.3	<1
AQ370	710873,737163	25.9	14.9	10.5	<1
AQ371	714350,734494	27.6	14.9	10.6	<1
AQ372	714540,734545	30.9	15.5	10.9	<1
AQ373	708080,738558	23.9	14.7	10.4	<1
AQ374	714023,735547	24.2	14.7	10.4	<1
AQ375	713988,735531	24.8	14.7	10.4	<1
AQ376	708278,738492	26.4	15.0	10.6	<1
AQ377	708867,737984	30.4	16.2	11.3	1
AQ378	708948,738003	26.8	15.4	10.8	<1
AQ379	714642,734888	21.8	14.3	10.2	<1
AQ380	709411,737927	25.7	15.1	10.6	<1
AQ381	709382,737967	24.9	14.9	10.5	<1
AQ382	707509,739233	24.3	14.8	10.5	<1
AQ383	714745,734486	23.8	14.5	10.3	<1
AQ384	714654,734484	23.3	14.5	10.3	<1
AQ385	714776,734569	23.8	14.5	10.3	<1
AQ386	714724,734690	28.2	15.2	10.7	<1
AQ387	713019,736109	22.9	14.5	10.3	<1
AQ388	712731,736319	22.3	14.3	10.2	<1
AQ389	712958,736142	24.0	14.6	10.3	<1
AQ390	712770,736254	23.3	14.5	10.3	<1
AQ391	714165,734430	27.7	15.1	10.7	<1
AQ392	714708,734311	34.6	16.0	11.2	1
AQ393	712054,736532	22.5	14.4	10.2	<1
AQ394	712035,736538	22.5	14.4	10.2	<1
AQ395	712015,736562	24.5	14.7	10.4	<1
AQ396	712028,736555	23.9	14.6	10.4	<1
AQ397	712251,736514	23.6	14.5	10.3	<1
AQ398	712176,736594	22.0	14.3	10.2	<1
AQ399	711303,736944	24.3	14.7	10.4	<1
AQ400	711346,736923	24.4	14.7	10.4	<1
AQ401	711413,737033	21.4	14.2	10.1	<1

DS (2028)					
Receptor	Receptor Location (ITM)	Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			No of PM_{10} days > $50 \mu\text{g}/\text{m}^3$
		NO_2	PM_{10}	$\text{PM}_{2.5}$	
AQ402	710510,737512	21.5	14.3	10.2	<1
AQ403	710328,737778	21.3	14.3	10.2	<1
AQ404	713916,735167	24.2	14.6	10.3	<1
AQ405	713921,735251	21.3	14.2	10.1	<1
AQ406	714050,734800	21.5	14.2	10.1	<1
AQ407	709569,737665	21.6	14.3	10.2	<1
AQ408	709715,737642	21.9	14.4	10.2	<1
AQ409	714077,734263	25.2	14.8	10.5	<1
AQ410	713709,734303	30.4	15.2	10.7	<1
AQ412	714044,734365	35.5	17.5	12.1	1
AQ413	713478,734481	21.2	16.0	11.2	1
AQ414	711294,736667	22.6	14.2	10.1	<1
AQ415	713408,736622	20.9	14.4	10.2	<1
AQ416	712908,735371	21.3	14.2	10.1	<1
AQ417	713021,735187	29.8	14.2	10.1	<1
AQ418	714921,735596	21.6	15.5	10.9	<1
AQ419	712660,737004	23.5	14.3	10.2	<1
AQ420	712848,736497	35.2	14.5	10.3	<1
AQ421	714878,734499	34.9	16.2	11.3	1
AQ422	714878,734515	36.2	16.2	11.3	1
AQ423	714862,734651	38.3	16.3	11.4	1
AQ424	714879,734672	35.6	16.7	11.6	1
AQ425	714879,734630	41.6	16.3	11.4	1
AQ426	714798,734245	32.2	16.5	11.5	1
AQ427	714878,734418	27.4	15.6	11.0	<1
AQ428	715038,734717	34.4	15.1	10.7	<1
AQ429	715146,734807	28.6	16.0	11.2	1
AQ430	715248,734991	19.7	15.3	10.8	<1
Air Quality Limit Value Objective	40	40	25	35	

In the cumulative 2028 DS scenario annual mean concentrations of NO_2 are above the relevant national air quality limit value objective in some areas; two exceedances were modelled at receptors on the N1 Church St and the R8054 Blackhall Place. This is a reduction from 16 exceedances in the DM scenario. Annual mean NO_2 concentrations did not exceed $60 \mu\text{g}/\text{m}^3$, indicating that exceedances of the NO_2 1-hour mean are unlikely to occur. Annual mean PM_{10} concentrations are below the relevant national air quality limit value objective for all modelled receptors. At all receptors, modelling of the maximum 24-hour PM_{10} concentration indicated that there is likely to be no more than one exceedance of the $50 \mu\text{g}/\text{m}^3$ ambient limit value compared to the threshold which allows 35 daily exceedances in any one calendar year. Annual mean $\text{PM}_{2.5}$ concentrations are also below the relevant national air quality limit value objective for all modelled receptors.

2.3 Comparison of Do Something with Do Minimum

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

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

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. (µg/m ³)			Change in No of PM ₁₀ days > 50 µg/m ³	Impact on Annual Mean Conc.		
		NO ₂	PM ₁₀	PM _{2.5}		NO ₂	PM ₁₀	PM _{2.5}
AQ1	713494,735835	-6.7	-1.1	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ2	712077,736576	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ3	713631,735750	-3.2	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ4	713642,735733	-3.8	-0.7	-0.4	<1	Negligible	Negligible	Negligible
AQ5	712107,736568	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ6	713725,735622	-2.9	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ7	714379,734737	-4.6	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ8	713718,735674	-4.3	-0.8	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ9	713636,735685	-2.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ10	714400,734722	-6.8	-1.2	-0.7	<1	Substantial Beneficial	Negligible	Negligible
AQ11	713662,735659	-2.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ12	713830,735544	-4.6	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ13	712286,736441	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ14	714378,734710	-3.4	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ15	714410,734556	-1.2	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ16	712253,736459	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ17	713884,735539	-4.6	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ18	713603,735708	-2.5	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ19	711001,737269	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ20	710726,737182	<0.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ21	714029,735222	-11.9	-1.8	-1.1	<1	Moderate Beneficial	Negligible	Negligible
AQ22	712384,736436	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ23	714358,734445	-2.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ24	714399,734572	0.6	-0.9	-0.5	<1	Negligible	Negligible	Negligible
AQ25	714332,734823	-8.2	-1.2	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ26	714004,735242	-3.9	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ27	713987,735284	-7.7	-1.1	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ28	712934,736097	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ29	714347,734803	-9.2	-1.2	-0.8	<1	Moderate Beneficial	Negligible	Negligible
AQ30	712360,736450	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ31	714021,735199	-4.9	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ32	712408,736425	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ33	711775,736693	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ34	714394,734458	-1.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ35	713996,735298	-6.1	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ36	713973,735329	-7.9	-1.1	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ37	714423,734521	-1.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ38	713967,735400	-6.0	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ39	714526,734396	-3.7	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ40	714520,734385	-3.2	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ41	711653,736755	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ42	711636,736764	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ43	714381,734400	-3.9	-0.8	-0.5	<1	Moderate Beneficial	Negligible	Negligible
AQ44	714380,734413	-3.6	-0.9	-0.6	<1	Moderate Beneficial	Negligible	Negligible
AQ45	714362,734427	-2.6	-0.8	-0.4	<1	Moderate Beneficial	Negligible	Negligible
AQ46	714503,734359	-2.8	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ47	708137,738735	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ48	714509,734396	-2.7	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ49	714118,735045	-3.9	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ50	714516,734358	-3.2	-0.3	-0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ51	714458,734374	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ52	714389,734384	-1.6	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ53	711682,736741	-1.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ54	714473,734387	-1.9	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ55	714348,734390	-0.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ56	711669,736748	-1.0	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ57	714411,734396	-2.1	-0.4	-0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ58	711714,736674	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ59	714228,734948	-3.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ60	711715,736722	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ61	711663,736700	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ62	711677,736693	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ63	714287,734914	-7.9	-1.2	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ64	712403,736380	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ65	712387,736388	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ66	714289,734860	-4.1	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ67	714353,734371	0.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ68	712427,736368	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ69	712542,736353	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ70	712484,736342	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ71	714295,734899	-8.3	-1.3	-0.8	<1	Slight Beneficial	Negligible	Negligible
AQ72	714411,734363	<0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ73	714438,734330	1.9	0.3	0.2	<1	Slight Adverse	Negligible	Negligible
AQ74	714044,735196	-13.2	-1.9	-1.2	<1	Moderate Beneficial	Negligible	Negligible
AQ75	712563,736340	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ76	708401,738533	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ77	714058,735176	-12.6	-1.8	-1.1	<1	Moderate Beneficial	Negligible	Negligible
AQ78	712350,736408	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ79	714059,735131	-3.8	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ80	712487,736389	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ81	714527,734413	-3.9	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ82	712466,736401	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ83	711503,736794	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ84	714473,734325	1.3	0.2	0.1	<1	Slight Adverse	Negligible	Negligible
AQ85	711491,736840	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ86	712311,736427	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ87	711542,736813	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ88	711517,736825	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ89	714513,734427	-2.6	-0.4	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ90	711454,736861	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ91	711485,736844	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ92	711619,736773	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ93	706821,739697	-1.9	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ94	711567,736800	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ95	711593,736787	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ96	714030,735193	-7.3	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ97	712582,736338	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ98	714528,734447	-3.8	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ99	712442,736411	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ100	712445,736358	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ101	707391,738959	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ102	706949,738702	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ103	714052,735163	-9.1	-1.3	-0.8	<1	Slight Beneficial	Negligible	Negligible
AQ104	707870,739289	-2.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ105	708191,739544	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ106	714258,734954	-9.9	-1.6	-0.9	<1	Moderate Beneficial	Negligible	Negligible
AQ107	714879,734584	-7.0	-0.9	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ108	714878,734543	-7.1	-0.9	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ109	709469,738256	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ110	714509,734508	-2.2	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ111	714232,734996	-6.0	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ112	714762,734073	-3.6	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ113	714058,735154	-8.7	-1.2	-0.8	<1	Slight Beneficial	Negligible	Negligible
AQ114	714517,734470	-5.2	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ115	710097,736854	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ116	714515,734447	-5.2	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ117	709227,737599	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ118	714194,735028	-10.9	-1.4	-0.9	<1	Moderate Beneficial	Negligible	Negligible
AQ119	711062,737673	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ120	711417,737665	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ121	712664,736245	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ122	714249,734974	-7.7	-1.2	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ123	710976,737366	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ124	714512,734498	-2.9	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ125	710905,737551	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ126	713801,735612	-4.7	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ127	712212,737506	1.3	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ128	712895,736645	0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ129	714272,734941	-7.5	-1.2	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ130	712147,737687	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ131	711468,737538	1.0	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ132	713784,735625	-4.7	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ133	712709,735638	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ134	714422,734735	-9.0	-1.8	-1.1	<1	Substantial Beneficial	Negligible	Negligible
AQ135	714203,735020	-10.7	-1.4	-0.9	<1	Moderate Beneficial	Negligible	Negligible
AQ136	712578,735874	0.4	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ137	714891,734794	-1.0	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ138	714961,734893	-1.0	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ139	713157,736571	1.9	0.2	0.2	<1	Negligible	Negligible	Negligible
AQ140	714177,735042	-12.3	-1.6	-1.0	<1	Moderate Beneficial	Negligible	Negligible
AQ141	711223,737755	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ142	714303,734881	-6.4	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ143	712767,736192	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ144	712791,735648	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ145	714173,735008	-6.0	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ146	713121,736354	-1.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ147	714517,734691	0.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ148	714840,735685	-1.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ149	714770,735716	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ150	714310,734866	-6.7	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ151	713695,735957	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ152	714164,735052	-14.2	-1.9	-1.2	<1	Substantial Beneficial	Negligible	Negligible
AQ153	714428,735922	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ154	714940,735552	-3.7	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ155	712691,736229	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ156	714906,735362	-1.8	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ157	714322,734844	-7.1	-1.1	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ158	714941,735569	-2.3	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ159	714921,735625	-0.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ160	713256,736151	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ161	711873,736609	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ162	712741,736435	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ163	712735,736209	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ164	713044,736468	-1.7	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ165	713226,736127	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ166	712922,736666	1.4	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ167	712762,736797	1.6	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ168	712729,736917	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ169	711814,736629	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ170	712698,737170	0.9	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ171	714491,736188	2.5	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ172	714137,735077	-8.4	-1.1	-0.7	<1	Slight Beneficial	Negligible	Negligible
AQ173	714182,736248	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ174	714878,735918	2.9	-0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ175	714675,736146	3.2	0.4	0.2	<1	Negligible	Negligible	Negligible
AQ176	713788,735581	-4.2	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ177	714410,734683	-0.8	-1.1	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ178	711899,736600	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ179	713617,736528	1.9	0.3	0.2	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ180	713721,736519	3.2	0.5	0.3	<1	Negligible	Negligible	Negligible
AQ181	714056,736284	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ182	714013,736324	2.5	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ183	713772,735645	-3.6	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ184	713772,735111	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ185	713849,734980	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ186	714340,734787	-4.5	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ187	714943,735327	-4.0	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ188	714120,735063	-4.3	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ189	712632,736262	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ190	714544,734737	1.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ191	714516,734318	-0.7	<0.1	<0.1	<1	Slight Beneficial	Negligible	Negligible
AQ192	711813,736673	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ193	713669,735338	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ194	712560,736308	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ195	714192,735608	-3.5	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ196	714529,734315	-0.1	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ197	713808,735043	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ198	713970,734866	0.7	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ199	711019,737181	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ200	714201,734361	1.5	0.2	0.1	<1	Negligible	Negligible	Negligible
AQ201	711108,737082	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ202	714127,735091	-7.5	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ203	710976,737105	-1.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ204	714646,734202	-1.2	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ205	714810,734154	-5.0	-0.7	-0.4	<1	Substantial Beneficial	Negligible	Negligible
AQ206	713546,734464	-2.7	-0.5	-0.3	<1	Moderate Beneficial	Negligible	Negligible
AQ207	712577,736299	0.5	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ208	714333,734278	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ209	713261,736568	2.2	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ210	714134,735029	-4.1	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ211	713090,736600	2.6	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ212	711872,736651	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ213	713555,736542	1.9	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ214	713423,736559	2.1	0.3	0.2	<1	Negligible	Negligible	Negligible
AQ215	711020,737028	-2.2	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ216	711046,737006	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ217	710956,736923	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ218	711162,736950	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ219	711852,736659	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ220	709598,737723	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ221	711376,736900	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ222	709574,737737	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ223	709622,737709	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ224	711405,736888	-0.5	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ225	711891,736643	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ226	709645,737696	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ227	709501,737779	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ228	709686,737693	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ229	709634,737702	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ230	706425,739183	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ231	708710,738289	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ232	714474,734021	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ233	714497,734253	-3.1	-0.4	-0.2	<1	Moderate Beneficial	Negligible	Negligible
AQ234	708730,738265	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ235	708720,738278	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ236	714188,734993	-5.5	-0.7	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ237	708759,738220	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ238	708741,738251	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ239	709324,737848	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ240	713336,735924	-4.4	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ241	709325,737855	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ242	709400,737823	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ243	709184,737950	-1.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ244	706619,739485	-2.9	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ245	706585,739441	-2.9	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ246	709362,737846	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ247	714373,734779	-8.4	-1.2	-0.7	<1	Moderate Beneficial	Negligible	Negligible
AQ248	706459,739253	-0.4	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ249	709476,737791	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ250	709430,737810	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ251	709470,737802	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ252	709499,737790	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ253	713437,735870	-6.4	-1.1	-0.7	<1	Slight Beneficial	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ254	709404,737827	-0.7	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ255	709439,737807	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ256	709558,737742	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ257	713533,735817	-5.0	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ258	712849,736150	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ259	712891,736129	-0.4	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ260	708554,738408	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ261	708153,738717	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ262	713413,735884	-5.8	-1.1	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ263	713277,735898	-2.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ264	712902,736179	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ265	706498,739326	-0.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ266	713334,735877	-2.3	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ267	714392,734685	-1.4	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ268	711962,736626	-1.0	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ269	706499,739337	-0.9	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ270	713967,735474	-5.1	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ271	706539,739396	-2.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ272	711920,736633	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ273	706498,739365	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ274	708588,738387	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ275	714403,734610	1.1	-0.9	-0.5	<1	Negligible	Negligible	Negligible
AQ276	708459,738491	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ277	706772,739670	-1.3	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ278	706755,739663	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ279	711999,736604	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ280	713546,735754	-2.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ281	712802,736173	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ282	712826,736160	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ283	714413,734700	-3.1	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ284	712018,736596	-1.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ285	713620,735759	-3.3	-0.6	-0.3	<1	Negligible	Negligible	Negligible
AQ286	713474,735802	-3.1	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ287	713557,735794	-5.0	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ288	714504,734667	-1.4	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ289	713497,735791	-3.5	-0.6	-0.4	<1	Negligible	Negligible	Negligible
AQ290	714407,734659	0.9	-1.0	-0.6	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ291	713938,735466	-8.5	-0.9	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ292	714066,735162	-14.6	-2.2	-1.3	<1	Moderate Beneficial	Negligible	Negligible
AQ293	714388,734653	0.4	-0.7	-0.4	<1	Negligible	Negligible	Negligible
AQ294	714434,734680	-1.3	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ295	711773,736642	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ296	714107,735115	-12.1	-1.8	-1.1	<1	Moderate Beneficial	Negligible	Negligible
AQ297	714460,734670	-1.1	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ298	708784,738202	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ299	713965,735427	-5.0	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ300	713427,735824	-2.6	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ301	713442,735812	-2.3	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ302	711749,736705	-0.8	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ303	714537,734631	-3.6	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ304	714083,735143	-12.4	-1.8	-1.1	<1	Moderate Beneficial	Negligible	Negligible
AQ305	714405,734639	1.2	-1.0	-0.6	<1	Negligible	Negligible	Negligible
AQ306	713926,735504	-8.5	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ307	713377,735858	-2.4	-0.4	-0.3	<1	Negligible	Negligible	Negligible
AQ308	713907,735517	-6.3	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ309	713862,735512	-5.6	-0.9	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ310	713871,735503	-6.2	-0.9	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ311	711750,736655	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ312	711732,736714	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ313	713741,735610	-3.0	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ314	712231,736468	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ315	713856,735481	-4.3	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ316	714532,734591	-3.7	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ317	711097,737046	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ318	713479,735855	-4.8	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ319	714401,734591	0.9	-0.9	-0.5	<1	Negligible	Negligible	Negligible
AQ320	712136,736557	-1.8	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ321	712212,736481	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ322	711056,737068	-2.8	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ323	714526,734551	-3.7	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ324	712177,736496	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ325	712195,736488	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ326	712195,736536	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ327	713672,735710	-3.8	-0.7	-0.4	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ328	714445,734546	-1.8	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ329	712081,736539	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ330	713694,735693	-3.9	-0.7	-0.4	<1	Negligible	Negligible	Negligible
AQ331	714352,734774	-4.7	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ332	714373,734749	-7.6	-1.1	-0.7	<1	Moderate Beneficial	Negligible	Negligible
AQ333	712408,736488	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ334	711574,736743	-0.3	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ335	711640,736631	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ336	711360,736845	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ337	711346,736766	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ338	712293,736562	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ339	708574,738776	0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ340	708236,738906	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ341	708424,738767	0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ342	713895,735184	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ343	708224,738489	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ344	706880,740091	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ345	707005,739642	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ346	707365,739375	-0.3	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ347	714592,734926	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ348	714363,734867	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ349	714113,735173	-1.5	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ350	714343,734918	-1.2	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ351	714575,734672	-3.4	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ352	714370,734935	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ353	714404,734974	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ354	714022,735494	-3.2	-0.4	-0.2	<1	Negligible	Negligible	Negligible
AQ355	714069,735457	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ356	714580,734342	-0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ357	714071,735508	-2.5	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ358	714175,735504	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ359	713965,735343	-3.8	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ360	712320,736546	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ361	712571,736258	0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ362	712420,736598	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ363	714247,734502	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ364	710909,737143	0.1	-0.2	-0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ365	713123,736239	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ366	714223,734609	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ367	714753,734468	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ368	714560,734595	-3.2	-0.5	-0.3	<1	Slight Beneficial	Negligible	Negligible
AQ369	714700,734424	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ370	710873,737163	0.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ371	714350,734494	-1.1	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ372	714540,734545	-4.7	-0.8	-0.5	<1	Slight Beneficial	Negligible	Negligible
AQ373	708080,738558	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ374	714023,735547	-3.7	-0.5	-0.3	<1	Negligible	Negligible	Negligible
AQ375	713988,735531	-4.7	-0.6	-0.4	<1	Slight Beneficial	Negligible	Negligible
AQ376	708278,738492	0.6	0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ377	708867,737984	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ378	708948,738003	-0.6	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ379	714642,734888	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ380	709411,737927	-1.3	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ381	709382,737967	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ382	707509,739233	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ383	714745,734486	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ384	714654,734484	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ385	714776,734569	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ386	714724,734690	-1.6	-0.3	-0.2	<1	Negligible	Negligible	Negligible
AQ387	713019,736109	-1.6	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ388	712731,736319	-0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ389	712958,736142	-0.7	-0.2	-0.1	<1	Negligible	Negligible	Negligible
AQ390	712770,736254	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ391	714165,734430	-0.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ392	714708,734311	-1.1	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ393	712054,736532	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ394	712035,736538	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ395	712015,736562	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ396	712028,736555	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ397	712251,736514	-0.9	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ398	712176,736594	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ399	711303,736944	-0.6	-0.1	-0.1	<1	Negligible	Negligible	Negligible
AQ400	711346,736923	-0.4	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ401	711413,737033	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible

Receptor	Receptor Location (ITM)	Change in Annual Mean Conc. ($\mu\text{g}/\text{m}^3$)			Change in No of PM_{10} days > 50 $\mu\text{g}/\text{m}^3$	Impact on Annual Mean Conc.		
		NO_2	PM_{10}	$\text{PM}_{2.5}$		NO_2	PM_{10}	$\text{PM}_{2.5}$
AQ402	710510,737512	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ403	710328,737778	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ404	713916,735167	-0.2	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ405	713921,735251	-0.5	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ406	714050,734800	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ407	709569,737665	-0.2	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ408	709715,737642	-0.3	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ409	714077,734263	<0.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ410	713709,734303	1.7	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ412	714044,734365	-1.4	0.5	0.3	<1	Slight Beneficial	Negligible	Negligible
AQ413	713478,734481	-13.0	0.1	0.1	<1	Slight Beneficial	Negligible	Negligible
AQ414	711294,736667	1.1	-0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ415	713408,736622	-0.8	0.1	0.1	<1	Negligible	Negligible	Negligible
AQ416	712908,735371	0.4	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ417	713021,735187	8.4	<0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ418	714921,735596	-9.0	-0.2	-0.1	<1	Slight Beneficial	Negligible	Negligible
AQ419	712660,737004	2.1	<0.1	<0.1	<1	Negligible	Negligible	Negligible
AQ420	712848,736497	11.8	<0.1	<0.1	<1	Slight Adverse	Negligible	Negligible
AQ421	714878,734499	-6.7	-0.8	-0.5	<1	Substantial Beneficial	Negligible	Negligible
AQ422	714878,734515	-5.7	-0.9	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ423	714862,734651	-3.1	-0.8	-0.5	<1	Moderate Beneficial	Negligible	Negligible
AQ424	714879,734672	-9.2	-1.1	-0.6	<1	Substantial Beneficial	Negligible	Negligible
AQ425	714879,734630	-1.2	-1.0	-0.6	<1	Slight Beneficial	Negligible	Negligible
AQ426	714798,734245	-11.4	-0.1	<0.1	<1	Substantial Beneficial	Negligible	Negligible
AQ427	714878,734418	-6.7	-0.3	-0.2	<1	Slight Beneficial	Negligible	Negligible
AQ428	715038,734717	4.5	-0.4	-0.2	<1	Slight Adverse	Negligible	Negligible
AQ429	715146,734807	-9.5	-0.6	-0.4	<1	Moderate Beneficial	Negligible	Negligible
AQ430	715248,734991	-11.9	-0.4	-0.2	<1	Slight Beneficial	Negligible	Negligible

The significance of the changes in the concentration of each of the ambient receptors has been determined in the context of the TII significance criteria (TII 2011), as described in Section 7.2.4.1.4 in Chapter 7 (Air Quality). The majority of modelled receptors are estimated to experience a negligible impact due to the Proposed Scheme in terms of the annual mean NO_2 concentration. A slightly beneficial impact is estimated at 82 receptors, a moderate beneficial impact at 22 receptors and a substantial beneficial impact at 10 receptors due to the diversion of traffic off the Proposed Scheme routes. A slight adverse impact is expected at six receptors. The Proposed Scheme is overall neutral in terms of annual mean PM_{10} and $\text{PM}_{2.5}$ concentrations, with all receptors experiencing a negligible impact.



Údarás Náisiúnta Iompair
National Transport Authority

National Transport Authority
Dún Scéine
Harcourt Lane
Dublin 2
D02 WT20



Project Ireland 2040
Building Ireland's Future