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Rampion 2 WIND FARM

Volume 4, Chapter 20

Air Quality Appendices

GoBe wood.

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Rampion 2 WIND FARM

Volume 4, Appendix 20.1

Full results of construction road traffic modelling

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1. Introduction

1.1.1 This Appendix presents full quantitative results of the modelling of the impact of construction road traffic. **Table 1-1** presents details of the receptors where impacts have been modelled. Receptors H001–H193 represent residential properties or other locations of relevant exposure (e.g. college buildings) within the Air Quality Management Area (AQMA). Other receptors represent monitoring locations and are not necessarily locations of relevant exposure where the Air Quality Objectives (AQO) apply.

1.1.2 **Table 1-2** to **Table 1-4** present modelled annual mean nitrogen dioxide (NO_2) and particulate matter (PM) (PM_{10} and $PM_{2.5}$) concentrations, along with the impact descriptor according to Institute of Air Quality Management (IAQM) (2017) guidance. Results are presented to several decimal places. This is to aid comparison against AQOs, between receptors and between the With Proposed Development and Without Proposed Development scenarios. The number of decimal places should not be interpreted as an indication of the accuracy of the results.

1.1.3 The table headers use terminology promulgated by the Environment Agency (2020) but widely used in air quality assessments. The Process Contribution (PC) is the contribution to the concentration of pollutant arising from the Proposed Development, in this case from road traffic generated by construction activity. The Predicted Environmental Contribution (PEC) is the total concentration, including the contribution from the Proposed Development plus the contribution from all other sources, including background sources and road traffic not associated with the Proposed Development.

Table 1-1 List of receptors where impacts due to construction traffic are modelled

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H001	Human	513342.1	105602.9	1.6	N/A	Yes
H002	Human	513346.1	105630.3	1.6	N/A	Yes
H003	Human	513368.8	105593.5	1.6	N/A	Yes
H004	Human	513387.5	105618.1	1.6	N/A	Yes
H005	Human	513385.4	105589.8	1.6	N/A	Yes
H006	Human	513401.0	105585.4	1.6	N/A	Yes
H007	Human	513417.6	105582.0	1.6	N/A	Yes
H008	Human	513433.1	105575.8	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H009	Human	513447.3	105570.3	1.6	N/A	Yes
H010	Human	513471.3	105569.2	1.6	N/A	Yes
H011	Human	513502.1	105567.6	1.6	N/A	Yes
H012	Human	513500.1	105587.5	1.6	N/A	Yes
H013	Human	513573.8	105540.0	1.6	N/A	Yes
H014	Human	513589.3	105525.6	1.6	N/A	Yes
H015	Human	513597.8	105515.8	1.6	N/A	Yes
H016	Human	513615.4	105523.2	1.6	N/A	Yes
H017	Human	513635.1	105505.6	1.6	N/A	Yes
H018	Human	513670.2	105467.3	1.6	N/A	Yes
H019	Human	513710.8	105400.4	1.6	N/A	Yes
H020	Human	513717.3	105394.8	1.6	N/A	Yes
H021	Human	513730.7	105385.1	1.6	N/A	Yes
H022	Human	513746.4	105372.9	1.6	N/A	Yes
H023	Human	513793.6	105335.3	1.6	N/A	Yes
H024	Human	513812.4	105321.4	1.6	N/A	Yes
H025	Human	513820.1	105314.5	1.6	N/A	Yes
H026	Human	513837.6	105302.5	1.6	N/A	Yes
H027	Human	513866.2	105245.5	1.6	N/A	Yes
H028	Human	513863.5	105228.8	1.6	N/A	Yes
H029	Human	513914.3	105276.1	1.6	N/A	Yes
H030	Human	513929.4	105227.6	1.6	N/A	Yes
H031	Human	513955.0	105299.6	1.6	N/A	Yes
H032	Human	514081.8	105287.6	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H033	Human	514104.4	105196.6	1.6	N/A	Yes
H034	Human	514135.0	104974.6	1.6	N/A	Yes
H035	Human	514151.5	104976.0	1.6	N/A	Yes
H036	Human	514166.3	104978.4	1.6	N/A	Yes
H037	Human	514182.3	104980.2	1.6	N/A	Yes
H038	Human	514199.5	104982.5	1.6	N/A	Yes
H039	Human	514215.1	104985.2	1.6	N/A	Yes
H040	Human	514232.4	104991.1	1.6	N/A	Yes
H041	Human	514253.4	104998.0	1.6	N/A	Yes
H042	Human	514269.1	105007.6	1.6	N/A	Yes
H043	Human	514285.1	105013.2	1.6	N/A	Yes
H044	Human	514304.3	105015.6	1.6	N/A	Yes
H045	Human	514320.3	105020.9	1.6	N/A	Yes
H046	Human	514335.2	105027.1	1.6	N/A	Yes
H047	Human	514355.0	105030.4	1.6	N/A	Yes
H048	Human	514370.2	105032.8	1.6	N/A	Yes
H049	Human	514385.2	105035.6	1.6	N/A	Yes
H050	Human	514414.1	105034.0	1.6	N/A	Yes
H051	Human	514424.4	105036.9	1.6	N/A	Yes
H052	Human	514438.5	105036.6	1.6	N/A	Yes
H053	Human	514450.9	105035.6	1.6	N/A	Yes
H054	Human	514469.6	105037.5	1.6	N/A	Yes
H055	Human	514483.6	105032.7	1.6	N/A	Yes
H056	Human	514521.8	105036.4	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H057	Human	514537.1	105039.1	1.6	N/A	Yes
H058	Human	514555.5	105043.2	1.6	N/A	Yes
H059	Human	514569.9	105047.4	1.6	N/A	Yes
H060	Human	514596.1	105056.5	1.6	N/A	Yes
H061	Human	514606.1	105076.0	1.6	N/A	Yes
H062	Human	514630.8	105081.5	1.6	N/A	Yes
H063	Human	514647.0	105089.4	1.6	N/A	Yes
H064	Human	514657.2	105090.9	1.6	N/A	Yes
H065	Human	514678.9	105098.0	1.6	N/A	Yes
H066	Human	514696.1	105108.9	1.6	N/A	Yes
H067	Human	514709.7	105109.5	1.6	N/A	Yes
H068	Human	514726.4	105114.4	1.6	N/A	Yes
H069	Human	514741.0	105116.7	1.6	N/A	Yes
H070	Human	514777.7	105115.2	1.6	N/A	Yes
H071	Human	514788.1	105116.1	1.6	N/A	Yes
H072	Human	514808.9	105121.6	1.6	N/A	Yes
H073	Human	514842.8	105120.0	1.6	N/A	Yes
H074	Human	514858.1	105121.5	1.6	N/A	Yes
H075	Human	514895.9	105124.4	1.6	N/A	Yes
H076	Human	514909.9	105124.7	1.6	N/A	Yes
H077	Human	514925.7	105125.8	1.6	N/A	Yes
H078	Human	514943.0	105126.9	1.6	N/A	Yes
H079	Human	514957.4	105127.6	1.6	N/A	Yes
H080	Human	514990.9	105143.6	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H081	Human	514995.0	105128.4	1.6	N/A	Yes
H082	Human	515473.6	105194.1	1.6	N/A	Yes
H083	Human	515460.8	105190.4	1.6	N/A	Yes
H084	Human	515448.4	105186.0	1.6	N/A	Yes
H085	Human	515436.8	105181.2	1.6	N/A	Yes
H086	Human	515423.4	105177.8	1.6	N/A	Yes
H087	Human	515411.1	105173.8	1.6	N/A	Yes
H088	Human	515364.5	105160.9	1.6	N/A	Yes
H089	Human	515315.6	105141.5	1.6	N/A	Yes
H090	Human	515264.3	105102.7	1.6	N/A	Yes
H091	Human	515245.0	105106.5	1.6	N/A	Yes
H092	Human	515233.1	105109.3	1.6	N/A	Yes
H093	Human	515217.7	105110.6	1.6	N/A	Yes
H094	Human	515179.9	105111.8	1.6	N/A	Yes
H095	Human	515156.6	105109.5	1.6	N/A	Yes
H096	Human	515122.6	105104.2	1.6	N/A	Yes
H097	Human	515097.6	105097.1	1.6	N/A	Yes
H098	Human	515048.9	105100.4	1.6	N/A	Yes
H099	Human	515007.6	105097.8	1.6	N/A	Yes
H100	Human	515002.1	105094.0	1.6	N/A	Yes
H101	Human	514965.4	105092.0	1.6	N/A	Yes
H102	Human	514946.9	105091.4	1.6	N/A	Yes
H103	Human	514935.9	105090.5	1.6	N/A	Yes
H104	Human	514921.7	105089.3	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H105	Human	514905.4	105089.3	1.6	N/A	Yes
H106	Human	514863.6	105085.3	1.6	N/A	Yes
H107	Human	514854.1	105084.9	1.6	N/A	Yes
H108	Human	514814.8	105081.9	1.6	N/A	Yes
H109	Human	514782.1	105077.9	1.6	N/A	Yes
H110	Human	514763.4	105064.1	1.6	N/A	Yes
H111	Human	514743.4	105061.1	1.6	N/A	Yes
H112	Human	514713.6	105056.4	1.6	N/A	Yes
H113	Human	514692.7	105052.7	1.6	N/A	Yes
H114	Human	514663.9	105030.8	1.6	N/A	Yes
H115	Human	514557.2	105004.4	1.6	N/A	Yes
H116	Human	514559.9	104996.5	1.6	N/A	Yes
H117	Human	514563.1	104988.2	1.6	N/A	Yes
H118	Human	514565.8	104980.4	1.6	N/A	Yes
H119	Human	514568.4	104972.6	1.6	N/A	Yes
H120	Human	514571.4	104964.7	1.6	N/A	Yes
H121	Human	514538.3	104999.6	1.6	N/A	Yes
H122	Human	514525.7	104997.6	1.6	N/A	Yes
H123	Human	514504.7	104995.8	1.6	N/A	Yes
H124	Human	514484.2	104994.1	1.6	N/A	Yes
H125	Human	514469.6	104993.9	1.6	N/A	Yes
H126	Human	514456.8	104992.8	1.6	N/A	Yes
H127	Human	514425.4	104995.1	1.6	N/A	Yes
H128	Human	514376.9	104991.4	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H129	Human	514360.9	104989.2	1.6	N/A	Yes
H130	Human	514332.0	104985.1	1.6	N/A	Yes
H131	Human	514297.7	104975.7	1.6	N/A	Yes
H132	Human	514283.1	104967.3	1.6	N/A	Yes
H133	Human	514263.8	104959.5	1.6	N/A	Yes
H134	Human	514246.0	104953.2	1.6	N/A	Yes
H135	Human	514234.5	104948.4	1.6	N/A	Yes
H136	Human	514198.0	104942.2	1.6	N/A	Yes
H137	Human	514191.6	104946.5	1.6	N/A	Yes
H138	Human	514183.9	104947.9	1.6	N/A	Yes
H139	Human	514044.1	104901.8	1.6	N/A	Yes
H140	Human	514043.5	104937.5	1.6	N/A	Yes
H141	Human	514025.6	104948.4	1.6	N/A	Yes
H142	Human	514010.5	104961.7	1.6	N/A	Yes
H143	Human	513999.5	104974.4	1.6	N/A	Yes
H144	Human	513991.3	104983.8	1.6	N/A	Yes
H145	Human	513984.1	104992.6	1.6	N/A	Yes
H146	Human	513974.9	105000.9	1.6	N/A	Yes
H147	Human	513961.3	105013.1	1.6	N/A	Yes
H148	Human	513953.0	105023.0	1.6	N/A	Yes
H149	Human	513944.6	105033.4	1.6	N/A	Yes
H150	Human	513934.7	105043.6	1.6	N/A	Yes
H151	Human	513924.6	105056.6	1.6	N/A	Yes
H152	Human	513918.0	105067.0	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H153	Human	513910.0	105076.4	1.6	N/A	Yes
H154	Human	513902.9	105086.3	1.6	N/A	Yes
H155	Human	513893.6	105098.8	1.6	N/A	Yes
H156	Human	513884.9	105110.5	1.6	N/A	Yes
H157	Human	513879.9	105122.8	1.6	N/A	Yes
H158	Human	513871.5	105138.3	1.6	N/A	Yes
H159	Human	513869.2	105147.0	1.6	N/A	Yes
H160	Human	513854.9	105161.6	1.6	N/A	Yes
H161	Human	513846.8	105175.8	1.6	N/A	Yes
H162	Human	513846.3	105187.4	1.6	N/A	Yes
H163	Human	513845.4	105199.0	1.6	N/A	Yes
H164	Human	513841.8	105206.6	1.6	N/A	Yes
H165	Human	513822.7	105234.5	1.6	N/A	Yes
H166	Human	513818.8	105270.5	1.6	N/A	Yes
H167	Human	513801.2	105283.6	1.6	N/A	Yes
H168	Human	513792.1	105290.9	1.6	N/A	Yes
H169	Human	513774.2	105304.6	1.6	N/A	Yes
H170	Human	513763.2	105312.3	1.6	N/A	Yes
H171	Human	513740.8	105327.1	1.6	N/A	Yes
H172	Human	513722.6	105336.5	1.6	N/A	Yes
H173	Human	513703.0	105358.3	1.6	N/A	Yes
H174	Human	513675.5	105372.4	1.6	N/A	Yes
H175	Human	513654.0	105407.2	1.6	N/A	Yes
H176	Human	513626.6	105416.6	1.6	N/A	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
H177	Human	513601.6	105447.9	1.6	N/A	Yes
H178	Human	513591.8	105459.5	1.6	N/A	Yes
H179	Human	513568.2	105481.6	1.6	N/A	Yes
H180	Human	513519.0	105506.1	1.6	N/A	Yes
H181	Human	513506.7	105511.2	1.6	N/A	Yes
H182	Human	513493.4	105514.2	1.6	N/A	Yes
H183	Human	513478.1	105519.4	1.6	N/A	Yes
H184	Human	513461.0	105524.5	1.6	N/A	Yes
H185	Human	513448.8	105527.9	1.6	N/A	Yes
H186	Human	513432.0	105531.6	1.6	N/A	Yes
H187	Human	513418.5	105533.9	1.6	N/A	Yes
H188	Human	513386.2	105517.7	1.6	N/A	Yes
H189	Human	513345.9	105514.3	1.6	N/A	Yes
H190	Human	513260.9	105535.6	1.6	N/A	Yes
H191	Human	513245.5	105540.3	1.6	N/A	Yes
H192	Human	513216.1	105546.2	1.6	N/A	Yes
H193	Human	513165.2	105547.0	1.6	N/A	Yes
WT2	Grove Lodge Roadside	514184	104963	1.8	Roadside	Yes
4N	Heene Way (UK02) Urban Background	513609	102556	1.5	Urban Background	No
5N	Cleveland Road (UK01) Urban Background	512701	105562	2	Urban Background	No
6N	Gainsborough Avenue (UK06) Roadside	515190	105122	2	Roadside	No

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
N1C	High Street East Urban Centre	515114	102670	2	Urban Centre	No
N5	First Avenue Roadside	514495	105020	1.5	Roadside	No
N8	Littlehampton Road Roadside	513236	104651	3.5	Roadside	No
N11	Dawes Close Urban Background	515812	103309	1.5	Urban Background	No
N18A	Kinnall Court, Upper Brighton Road Suburban	515315	105141	2	Suburban	No
N21	Greenwood Cottage, A27 Roadside	509777	105696	3	Roadside	No
N22	Falmer Close, C-Dust monitor Urban Background	511010	102226	1.5	Urban Background	No
N24	152 Upper Brighton Road Roadside	515151	105109	2	Roadside	No
N25	Warren Court House Suburban	513845	105191	2	Suburban	No
N27	Tarring Road, Crossing Roadside	513380	103352	2.5	Roadside	No
N28	Chapel Road/Teville Road Roadside	514740	103173	2.5	Roadside	No
N29	Downlands Parade Roadside	515014	105099	4	Roadside	No
N30A	Grove Lodge Cottages Roadside	514183	104948	2.5	Roadside	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
N31	South Farm Road, roundabout Kerbside	514317	103329	2.5	Kerbside	No
N35	30 Upper Brighton Road House Roadside	514266	104961	2	Roadside	Yes
N39	SW of roundabout at Grove Lodge Roadside	514088	104906	4	Roadside	Yes
N42	Norfolk House Roadside	514742	103234	2	Roadside	No
N43	23 Upper Brighton Road Suburban	514199	104982	2	Suburban	Yes
N44A	NOx Analyser, 21 Upper Brighton Road Roadside	514184	104963	2	Roadside	Yes
N44B	NOx Analyser, 21 Upper Brighton Road Roadside	514184	104963	2	Roadside	Yes
N44C	NOx Analyser, 21 Upper Brighton Road Roadside	514184	104963	2	Roadside	Yes
N45	11 Hill Barn Lane Suburban	514126	105063	2	Suburban	Yes
N48	Shaftesbury Avenue Roadside	512063	103385	2	Roadside	No
N52	Newland Road Kerbside	514973	103335	2	Kerbside	No
N53	Offington Corner Roadside	513278	105623	2	Roadside	Yes

ID	Description	X coordinates	Y coordinates	Height (m)	Monitor class-ification	In AQMA?
N54	The Aquarena Roadside	515595	102725	3	Roadside	No
N56	Titnore Way Suburban	510318	104506	3	Suburban	No
N57	Lyndhurst Road Roadside	515114	102975	2.5	Roadside	No
N61	Broadwater Street West Kerbside	514501	104531	2	Kerbside	No
N62	Steyne Gardens Kerbside	515201	102500	2	Kerbside	No
N63	New Broadway, Tarring Rd Roadside	513437	103311	2	Roadside	No
N64	South Street, outside Starbucks Urban Centre	514946	102541	2.5	Urban Centre	No
N65	Teville Road (opposite Unleashed) Kerbside	514543	103220	2.5	Kerbside	No

Table 1-2 Modelled annual mean NO_2 impacts due to construction traffic

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H001	40	0.04	14.84	0.1%	37.1%	Negligible
H002	40	0.02	12.12	0.0%	30.3%	Negligible
H003	40	0.04	15.32	0.1%	38.3%	Negligible
H004	40	0.03	12.21	0.1%	30.5%	Negligible
H005	40	0.04	15.18	0.1%	38.0%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H006	40	0.04	15.26	0.1%	38.2%	Negligible
H007	40	0.03	15.07	0.1%	37.7%	Negligible
H008	40	0.04	15.59	0.1%	39.0%	Negligible
H009	40	0.05	16.11	0.1%	40.3%	Negligible
H010	40	0.04	14.90	0.1%	37.3%	Negligible
H011	40	0.03	13.69	0.1%	34.2%	Negligible
H012	40	0.02	12.20	0.0%	30.5%	Negligible
H013	40	0.03	13.29	0.1%	33.2%	Negligible
H014	40	0.04	13.78	0.1%	34.5%	Negligible
H015	40	0.03	14.21	0.1%	35.5%	Negligible
H016	40	0.02	12.56	0.1%	31.4%	Negligible
H017	40	0.03	12.66	0.1%	31.7%	Negligible
H018	40	0.03	13.07	0.1%	32.7%	Negligible
H019	40	0.05	16.21	0.1%	40.5%	Negligible
H020	40	0.05	16.04	0.1%	40.1%	Negligible
H021	40	0.04	15.54	0.1%	38.9%	Negligible
H022	40	0.05	15.54	0.1%	38.9%	Negligible
H023	40	0.05	16.32	0.1%	40.8%	Negligible
H024	40	0.04	16.10	0.1%	40.3%	Negligible
H025	40	0.04	16.22	0.1%	40.6%	Negligible
H026	40	0.04	15.21	0.1%	38.0%	Negligible
H027	40	0.06	17.19	0.2%	43.0%	Negligible
H028	40	0.08	22.83	0.2%	57.1%	Negligible
H029	40	0.02	11.42	0.0%	28.6%	Negligible
H030	40	0.02	11.66	0.0%	29.2%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H031	40	0.00	10.64	0.0%	26.6%	Negligible
H032	40	0.00	9.61	0.0%	24.0%	Negligible
H033	40	0.00	9.77	0.0%	24.4%	Negligible
H034	40	0.09	17.08	0.2%	42.7%	Negligible
H035	40	0.07	16.24	0.2%	40.6%	Negligible
H036	40	0.06	15.80	0.2%	39.5%	Negligible
H037	40	0.06	15.67	0.2%	39.2%	Negligible
H038	40	0.06	15.69	0.1%	39.2%	Negligible
H039	40	0.06	15.76	0.2%	39.4%	Negligible
H040	40	0.05	15.50	0.1%	38.8%	Negligible
H041	40	0.04	15.39	0.1%	38.5%	Negligible
H042	40	0.03	13.31	0.1%	33.3%	Negligible
H043	40	0.04	13.24	0.1%	33.1%	Negligible
H044	40	0.04	13.77	0.1%	34.4%	Negligible
H045	40	0.04	13.67	0.1%	34.2%	Negligible
H046	40	0.03	13.29	0.1%	33.2%	Negligible
H047	40	0.03	13.42	0.1%	33.6%	Negligible
H048	40	0.03	13.50	0.1%	33.8%	Negligible
H049	40	0.04	13.46	0.1%	33.7%	Negligible
H050	40	0.04	14.21	0.1%	35.5%	Negligible
H051	40	0.04	13.81	0.1%	34.5%	Negligible
H052	40	0.04	13.99	0.1%	35.0%	Negligible
H053	40	0.03	14.27	0.1%	35.7%	Negligible
H054	40	0.03	14.02	0.1%	35.1%	Negligible
H055	40	0.04	15.12	0.1%	37.8%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H056	40	0.04	14.77	0.1%	36.9%	Negligible
H057	40	0.04	14.84	0.1%	37.1%	Negligible
H058	40	0.04	14.93	0.1%	37.3%	Negligible
H059	40	0.04	14.81	0.1%	37.0%	Negligible
H060	40	0.04	14.48	0.1%	36.2%	Negligible
H061	40	0.03	12.45	0.1%	31.1%	Negligible
H062	40	0.03	12.91	0.1%	32.3%	Negligible
H063	40	0.03	12.84	0.1%	32.1%	Negligible
H064	40	0.03	13.20	0.1%	33.0%	Negligible
H065	40	0.03	13.53	0.1%	33.8%	Negligible
H066	40	0.03	12.90	0.1%	32.3%	Negligible
H067	40	0.03	13.31	0.1%	33.3%	Negligible
H068	40	0.03	13.12	0.1%	32.8%	Negligible
H069	40	0.03	13.17	0.1%	32.9%	Negligible
H070	40	0.03	14.41	0.1%	36.0%	Negligible
H071	40	0.03	14.55	0.1%	36.4%	Negligible
H072	40	0.04	13.96	0.1%	34.9%	Negligible
H073	40	0.04	14.98	0.1%	37.5%	Negligible
H074	40	0.04	14.95	0.1%	37.4%	Negligible
H075	40	0.04	15.06	0.1%	37.7%	Negligible
H076	40	0.04	15.25	0.1%	38.1%	Negligible
H077	40	0.04	15.17	0.1%	37.9%	Negligible
H078	40	0.04	15.08	0.1%	37.7%	Negligible
H079	40	0.04	15.06	0.1%	37.7%	Negligible
H080	40	0.03	12.75	0.1%	31.9%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H081	40	0.04	15.28	0.1%	38.2%	Negligible
H082	40	0.04	14.97	0.1%	37.4%	Negligible
H083	40	0.04	15.12	0.1%	37.8%	Negligible
H084	40	0.04	15.13	0.1%	37.8%	Negligible
H085	40	0.04	15.03	0.1%	37.6%	Negligible
H086	40	0.04	15.27	0.1%	38.2%	Negligible
H087	40	0.05	15.35	0.1%	38.4%	Negligible
H088	40	0.05	16.05	0.1%	40.1%	Negligible
H089	40	0.04	15.51	0.1%	38.8%	Negligible
H090	40	0.02	12.81	0.1%	32.0%	Negligible
H091	40	0.03	13.52	0.1%	33.8%	Negligible
H092	40	0.04	14.15	0.1%	35.4%	Negligible
H093	40	0.04	14.86	0.1%	37.2%	Negligible
H094	40	0.05	16.92	0.1%	42.3%	Negligible
H095	40	0.06	17.43	0.1%	43.6%	Negligible
H096	40	0.05	17.34	0.1%	43.4%	Negligible
H097	40	0.05	16.04	0.1%	40.1%	Negligible
H098	40	0.06	19.18	0.1%	48.0%	Negligible
H099	40	0.06	18.91	0.1%	47.3%	Negligible
H100	40	0.05	17.35	0.1%	43.4%	Negligible
H101	40	0.06	16.95	0.1%	42.4%	Negligible
H102	40	0.05	17.02	0.1%	42.6%	Negligible
H103	40	0.05	16.87	0.1%	42.2%	Negligible
H104	40	0.05	16.68	0.1%	41.7%	Negligible
H105	40	0.05	16.98	0.1%	42.5%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H106	40	0.05	16.88	0.1%	42.2%	Negligible
H107	40	0.05	17.05	0.1%	42.6%	Negligible
H108	40	0.05	17.30	0.1%	43.3%	Negligible
H109	40	0.05	17.31	0.1%	43.3%	Negligible
H110	40	0.04	14.66	0.1%	36.7%	Negligible
H111	40	0.04	14.75	0.1%	36.9%	Negligible
H112	40	0.04	14.99	0.1%	37.5%	Negligible
H113	40	0.05	15.65	0.1%	39.1%	Negligible
H114	40	0.03	14.17	0.1%	35.4%	Negligible
H115	40	0.05	16.38	0.1%	41.0%	Negligible
H116	40	0.04	15.88	0.1%	39.7%	Negligible
H117	40	0.03	14.70	0.1%	36.8%	Negligible
H118	40	0.03	13.98	0.1%	35.0%	Negligible
H119	40	0.03	13.45	0.1%	33.6%	Negligible
H120	40	0.02	13.04	0.0%	32.6%	Negligible
H121	40	0.05	17.67	0.1%	44.2%	Negligible
H122	40	0.05	17.82	0.1%	44.6%	Negligible
H123	40	0.05	17.80	0.1%	44.5%	Negligible
H124	40	0.05	17.44	0.1%	43.6%	Negligible
H125	40	0.05	17.48	0.1%	43.7%	Negligible
H126	40	0.05	17.27	0.1%	43.2%	Negligible
H127	40	0.06	18.42	0.2%	46.1%	Negligible
H128	40	0.06	18.86	0.1%	47.2%	Negligible
H129	40	0.06	19.28	0.2%	48.2%	Negligible
H130	40	0.06	20.22	0.1%	50.6%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H131	40	0.07	20.91	0.2%	52.3%	Negligible
H132	40	0.06	19.27	0.1%	48.2%	Negligible
H133	40	0.06	18.79	0.1%	47.0%	Negligible
H134	40	0.06	18.71	0.2%	46.8%	Negligible
H135	40	0.07	18.46	0.2%	46.2%	Negligible
H136	40	0.11	19.94	0.3%	49.9%	Negligible
H137	40	0.15	23.50	0.4%	58.8%	Negligible
H138	40	0.30	40.07	0.7%	100.2%	Slight
H139	40	0.03	13.09	0.1%	32.7%	Negligible
H140	40	0.05	15.30	0.1%	38.3%	Negligible
H141	40	0.05	14.90	0.1%	37.3%	Negligible
H142	40	0.05	15.19	0.1%	38.0%	Negligible
H143	40	0.05	15.13	0.1%	37.8%	Negligible
H144	40	0.05	15.55	0.1%	38.9%	Negligible
H145	40	0.05	15.85	0.1%	39.6%	Negligible
H146	40	0.05	15.54	0.1%	38.9%	Negligible
H147	40	0.05	15.36	0.1%	38.4%	Negligible
H148	40	0.04	15.57	0.1%	38.9%	Negligible
H149	40	0.05	15.71	0.1%	39.3%	Negligible
H150	40	0.04	15.43	0.1%	38.6%	Negligible
H151	40	0.04	15.51	0.1%	38.8%	Negligible
H152	40	0.04	15.84	0.1%	39.6%	Negligible
H153	40	0.04	15.73	0.1%	39.3%	Negligible
H154	40	0.05	15.85	0.1%	39.6%	Negligible
H155	40	0.04	15.75	0.1%	39.4%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H156	40	0.04	15.34	0.1%	38.4%	Negligible
H157	40	0.04	15.70	0.1%	39.3%	Negligible
H158	40	0.04	15.60	0.1%	39.0%	Negligible
H159	40	0.05	16.13	0.1%	40.3%	Negligible
H160	40	0.04	14.42	0.1%	36.1%	Negligible
H161	40	0.03	14.05	0.1%	35.1%	Negligible
H162	40	0.04	14.70	0.1%	36.8%	Negligible
H163	40	0.04	15.44	0.1%	38.6%	Negligible
H164	40	0.04	15.30	0.1%	38.3%	Negligible
H165	40	0.04	14.19	0.1%	35.5%	Negligible
H166	40	0.06	18.34	0.1%	45.9%	Negligible
H167	40	0.05	16.52	0.1%	41.3%	Negligible
H168	40	0.04	16.34	0.1%	40.9%	Negligible
H169	40	0.04	16.18	0.1%	40.5%	Negligible
H170	40	0.04	16.06	0.1%	40.2%	Negligible
H171	40	0.04	15.82	0.1%	39.6%	Negligible
H172	40	0.03	15.14	0.1%	37.9%	Negligible
H173	40	0.04	16.41	0.1%	41.0%	Negligible
H174	40	0.03	14.36	0.1%	35.9%	Negligible
H175	40	0.04	16.51	0.1%	41.3%	Negligible
H176	40	0.03	14.01	0.1%	35.0%	Negligible
H177	40	0.04	15.03	0.1%	37.6%	Negligible
H178	40	0.04	15.57	0.1%	38.9%	Negligible
H179	40	0.05	16.27	0.1%	40.7%	Negligible
H180	40	0.04	15.69	0.1%	39.2%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H181	40	0.04	15.74	0.1%	39.4%	Negligible
H182	40	0.04	15.33	0.1%	38.3%	Negligible
H183	40	0.04	15.29	0.1%	38.2%	Negligible
H184	40	0.04	15.27	0.1%	38.2%	Negligible
H185	40	0.04	15.31	0.1%	38.3%	Negligible
H186	40	0.04	15.21	0.1%	38.0%	Negligible
H187	40	0.04	15.01	0.1%	37.5%	Negligible
H188	40	0.02	12.57	0.0%	31.4%	Negligible
H189	40	0.02	11.99	0.0%	30.0%	Negligible
H190	40	0.02	12.85	0.0%	32.1%	Negligible
H191	40	0.03	13.04	0.1%	32.6%	Negligible
H192	40	0.03	12.92	0.1%	32.3%	Negligible
H193	40	0.04	12.82	0.1%	32.1%	Negligible
WT2	40	0.13	22.05	0.3%	55.1%	Negligible
4N	40	0.00	8.95	0.0%	22.4%	Negligible
5N	40	0.01	9.96	0.0%	24.9%	Negligible
6N	40	0.07	20.40	0.2%	51.0%	Negligible
N1C	40	0.00	9.03	0.0%	22.6%	Negligible
N5	40	0.09	23.23	0.2%	58.1%	Negligible
N8	40	0.00	9.75	0.0%	24.4%	Negligible
N11	40	0.00	10.56	0.0%	26.4%	Negligible
N18A	40	0.04	15.29	0.1%	38.2%	Negligible
N21	40	0.00	8.63	0.0%	21.6%	Negligible
N22	40	0.00	8.42	0.0%	21.1%	Negligible
N24	40	0.05	17.23	0.1%	43.1%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
N25	40	0.04	14.58	0.1%	36.5%	Negligible
N27	40	0.00	9.64	0.0%	24.1%	Negligible
N28	40	0.00	10.52	0.0%	26.3%	Negligible
N29	40	0.04	15.61	0.1%	39.0%	Negligible
N30A	40	0.26	34.87	0.6%	87.2%	Negligible
N31	40	0.00	10.53	0.0%	26.3%	Negligible
N35	40	0.06	18.72	0.1%	46.8%	Negligible
N39	40	0.06	14.95	0.1%	37.4%	Negligible
N42	40	0.01	10.53	0.0%	26.3%	Negligible
N43	40	0.06	15.64	0.2%	39.1%	Negligible
N44A	40	0.13	21.62	0.3%	54.1%	Negligible
N44B	40	0.13	21.62	0.3%	54.1%	Negligible
N44C	40	0.13	21.62	0.3%	54.1%	Negligible
N45	40	0.02	10.70	0.0%	26.8%	Negligible
N48	40	0.00	8.87	0.0%	22.2%	Negligible
N52	40	0.00	10.53	0.0%	26.3%	Negligible
N53	40	0.04	15.15	0.1%	37.9%	Negligible
N54	40	0.00	9.02	0.0%	22.6%	Negligible
N56	40	0.00	8.00	0.0%	20.0%	Negligible
N57	40	0.00	9.04	0.0%	22.6%	Negligible
N61	40	0.00	10.61	0.0%	26.5%	Negligible
N62	40	0.00	9.02	0.0%	22.6%	Negligible
N63	40	0.00	9.64	0.0%	24.1%	Negligible
N64	40	0.00	9.99	0.0%	25.0%	Negligible
N65	40	0.00	10.53	0.0%	26.3%	Negligible

Table 1-3 Modelled annual mean PM_{10} impacts due to construction traffic

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H001	40	0.02	16.96	0.1%	42.4%	Negligible
H002	40	0.01	15.89	0.0%	39.7%	Negligible
H003	40	0.02	17.15	0.1%	42.9%	Negligible
H004	40	0.01	15.92	0.0%	39.8%	Negligible
H005	40	0.02	17.10	0.1%	42.7%	Negligible
H006	40	0.02	17.13	0.1%	42.8%	Negligible
H007	40	0.02	17.05	0.1%	42.6%	Negligible
H008	40	0.02	17.26	0.1%	43.1%	Negligible
H009	40	0.03	17.47	0.1%	43.7%	Negligible
H010	40	0.02	16.98	0.1%	42.5%	Negligible
H011	40	0.02	16.50	0.0%	41.3%	Negligible
H012	40	0.01	15.92	0.0%	39.8%	Negligible
H013	40	0.02	16.34	0.0%	40.9%	Negligible
H014	40	0.02	16.53	0.0%	41.3%	Negligible
H015	40	0.02	16.71	0.0%	41.8%	Negligible
H016	40	0.01	16.05	0.0%	40.1%	Negligible
H017	40	0.01	16.09	0.0%	40.2%	Negligible
H018	40	0.01	16.25	0.0%	40.6%	Negligible
H019	40	0.03	17.51	0.1%	43.8%	Negligible
H020	40	0.03	17.44	0.1%	43.6%	Negligible
H021	40	0.02	17.24	0.1%	43.1%	Negligible
H022	40	0.02	17.24	0.1%	43.1%	Negligible
H023	40	0.03	17.55	0.1%	43.9%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H024	40	0.03	17.47	0.1%	43.7%	Negligible
H025	40	0.03	17.51	0.1%	43.8%	Negligible
H026	40	0.02	17.11	0.1%	42.8%	Negligible
H027	40	0.03	17.91	0.1%	44.8%	Negligible
H028	40	0.05	20.27	0.1%	50.7%	Negligible
H029	40	0.01	15.61	0.0%	39.0%	Negligible
H030	40	0.01	15.70	0.0%	39.3%	Negligible
H031	40	0.01	15.31	0.0%	38.3%	Negligible
H032	40	0.00	14.45	0.0%	36.1%	Negligible
H033	40	0.00	14.51	0.0%	36.3%	Negligible
H034	40	0.05	18.15	0.1%	45.4%	Negligible
H035	40	0.04	17.80	0.1%	44.5%	Negligible
H036	40	0.04	17.61	0.1%	44.0%	Negligible
H037	40	0.04	17.56	0.1%	43.9%	Negligible
H038	40	0.03	17.56	0.1%	43.9%	Negligible
H039	40	0.03	17.58	0.1%	43.9%	Negligible
H040	40	0.03	17.46	0.1%	43.6%	Negligible
H041	40	0.02	17.40	0.1%	43.5%	Negligible
H042	40	0.02	15.90	0.1%	39.8%	Negligible
H043	40	0.02	15.87	0.0%	39.7%	Negligible
H044	40	0.02	16.07	0.1%	40.2%	Negligible
H045	40	0.02	16.03	0.1%	40.1%	Negligible
H046	40	0.02	15.88	0.0%	39.7%	Negligible
H047	40	0.02	15.94	0.0%	39.8%	Negligible
H048	40	0.02	15.97	0.0%	39.9%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H049	40	0.02	15.95	0.0%	39.9%	Negligible
H050	40	0.02	16.24	0.1%	40.6%	Negligible
H051	40	0.02	16.09	0.0%	40.2%	Negligible
H052	40	0.02	16.16	0.1%	40.4%	Negligible
H053	40	0.02	16.27	0.1%	40.7%	Negligible
H054	40	0.02	16.17	0.1%	40.4%	Negligible
H055	40	0.02	16.61	0.1%	41.5%	Negligible
H056	40	0.02	16.47	0.1%	41.2%	Negligible
H057	40	0.02	16.50	0.1%	41.2%	Negligible
H058	40	0.02	16.53	0.1%	41.3%	Negligible
H059	40	0.02	16.49	0.1%	41.2%	Negligible
H060	40	0.02	16.35	0.1%	40.9%	Negligible
H061	40	0.01	15.55	0.0%	38.9%	Negligible
H062	40	0.02	15.73	0.0%	39.3%	Negligible
H063	40	0.02	15.70	0.0%	39.3%	Negligible
H064	40	0.02	15.84	0.0%	39.6%	Negligible
H065	40	0.02	15.97	0.0%	39.9%	Negligible
H066	40	0.02	15.72	0.0%	39.3%	Negligible
H067	40	0.02	15.89	0.0%	39.7%	Negligible
H068	40	0.02	15.81	0.0%	39.5%	Negligible
H069	40	0.02	15.83	0.0%	39.6%	Negligible
H070	40	0.02	16.33	0.1%	40.8%	Negligible
H071	40	0.02	16.38	0.1%	41.0%	Negligible
H072	40	0.02	16.14	0.0%	40.4%	Negligible
H073	40	0.02	16.55	0.1%	41.4%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H074	40	0.02	16.54	0.1%	41.4%	Negligible
H075	40	0.02	16.59	0.1%	41.5%	Negligible
H076	40	0.02	16.66	0.1%	41.7%	Negligible
H077	40	0.02	16.63	0.1%	41.6%	Negligible
H078	40	0.02	16.59	0.1%	41.5%	Negligible
H079	40	0.02	16.59	0.1%	41.5%	Negligible
H080	40	0.02	15.66	0.0%	39.2%	Negligible
H081	40	0.02	16.67	0.1%	41.7%	Negligible
H082	40	0.02	17.32	0.1%	43.3%	Negligible
H083	40	0.02	17.38	0.1%	43.5%	Negligible
H084	40	0.02	17.39	0.1%	43.5%	Negligible
H085	40	0.02	17.34	0.1%	43.4%	Negligible
H086	40	0.02	17.44	0.1%	43.6%	Negligible
H087	40	0.02	17.47	0.1%	43.7%	Negligible
H088	40	0.03	17.75	0.1%	44.4%	Negligible
H089	40	0.02	17.54	0.1%	43.8%	Negligible
H090	40	0.01	16.46	0.0%	41.2%	Negligible
H091	40	0.02	16.74	0.0%	41.9%	Negligible
H092	40	0.02	16.99	0.0%	42.5%	Negligible
H093	40	0.02	17.27	0.1%	43.2%	Negligible
H094	40	0.03	18.11	0.1%	45.3%	Negligible
H095	40	0.03	18.31	0.1%	45.8%	Negligible
H096	40	0.03	18.28	0.1%	45.7%	Negligible
H097	40	0.03	17.75	0.1%	44.4%	Negligible
H098	40	0.04	19.04	0.1%	47.6%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H099	40	0.04	18.93	0.1%	47.3%	Negligible
H100	40	0.03	18.28	0.1%	45.7%	Negligible
H101	40	0.03	17.35	0.1%	43.4%	Negligible
H102	40	0.03	17.38	0.1%	43.4%	Negligible
H103	40	0.03	17.32	0.1%	43.3%	Negligible
H104	40	0.03	17.24	0.1%	43.1%	Negligible
H105	40	0.03	17.36	0.1%	43.4%	Negligible
H106	40	0.03	17.32	0.1%	43.3%	Negligible
H107	40	0.03	17.39	0.1%	43.5%	Negligible
H108	40	0.03	17.49	0.1%	43.7%	Negligible
H109	40	0.03	17.50	0.1%	43.7%	Negligible
H110	40	0.02	16.42	0.1%	41.1%	Negligible
H111	40	0.02	16.46	0.1%	41.1%	Negligible
H112	40	0.02	16.56	0.1%	41.4%	Negligible
H113	40	0.03	16.82	0.1%	42.1%	Negligible
H114	40	0.02	16.23	0.1%	40.6%	Negligible
H115	40	0.03	17.12	0.1%	42.8%	Negligible
H116	40	0.02	17.58	0.1%	44.0%	Negligible
H117	40	0.02	17.11	0.0%	42.8%	Negligible
H118	40	0.01	16.82	0.0%	42.1%	Negligible
H119	40	0.01	16.61	0.0%	41.5%	Negligible
H120	40	0.01	16.45	0.0%	41.1%	Negligible
H121	40	0.03	18.31	0.1%	45.8%	Negligible
H122	40	0.03	18.37	0.1%	45.9%	Negligible
H123	40	0.03	18.36	0.1%	45.9%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H124	40	0.03	18.21	0.1%	45.5%	Negligible
H125	40	0.03	18.23	0.1%	45.6%	Negligible
H126	40	0.03	18.14	0.1%	45.4%	Negligible
H127	40	0.03	18.61	0.1%	46.5%	Negligible
H128	40	0.03	18.80	0.1%	47.0%	Negligible
H129	40	0.04	18.97	0.1%	47.4%	Negligible
H130	40	0.04	19.36	0.1%	48.4%	Negligible
H131	40	0.04	19.66	0.1%	49.1%	Negligible
H132	40	0.04	18.97	0.1%	47.4%	Negligible
H133	40	0.04	18.78	0.1%	47.0%	Negligible
H134	40	0.04	18.76	0.1%	46.9%	Negligible
H135	40	0.04	18.67	0.1%	46.7%	Negligible
H136	40	0.06	19.35	0.2%	48.4%	Negligible
H137	40	0.09	20.91	0.2%	52.3%	Negligible
H138	40	0.22	28.88	0.6%	72.2%	Negligible
H139	40	0.02	16.50	0.0%	41.2%	Negligible
H140	40	0.03	17.40	0.1%	43.5%	Negligible
H141	40	0.03	17.23	0.1%	43.1%	Negligible
H142	40	0.03	17.34	0.1%	43.4%	Negligible
H143	40	0.03	17.43	0.1%	43.6%	Negligible
H144	40	0.03	17.59	0.1%	44.0%	Negligible
H145	40	0.03	17.70	0.1%	44.2%	Negligible
H146	40	0.03	17.25	0.1%	43.1%	Negligible
H147	40	0.02	17.17	0.1%	42.9%	Negligible
H148	40	0.02	17.26	0.1%	43.1%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H149	40	0.02	17.31	0.1%	43.3%	Negligible
H150	40	0.02	17.20	0.1%	43.0%	Negligible
H151	40	0.02	17.23	0.1%	43.1%	Negligible
H152	40	0.02	17.36	0.1%	43.4%	Negligible
H153	40	0.02	17.32	0.1%	43.3%	Negligible
H154	40	0.02	17.36	0.1%	43.4%	Negligible
H155	40	0.02	17.33	0.1%	43.3%	Negligible
H156	40	0.02	17.16	0.1%	42.9%	Negligible
H157	40	0.02	17.30	0.1%	43.3%	Negligible
H158	40	0.02	17.27	0.1%	43.2%	Negligible
H159	40	0.03	17.48	0.1%	43.7%	Negligible
H160	40	0.02	16.79	0.0%	42.0%	Negligible
H161	40	0.02	16.65	0.0%	41.6%	Negligible
H162	40	0.02	16.90	0.1%	42.3%	Negligible
H163	40	0.02	17.20	0.1%	43.0%	Negligible
H164	40	0.02	17.14	0.1%	42.9%	Negligible
H165	40	0.02	16.70	0.0%	41.7%	Negligible
H166	40	0.03	18.38	0.1%	45.9%	Negligible
H167	40	0.03	17.63	0.1%	44.1%	Negligible
H168	40	0.03	17.56	0.1%	43.9%	Negligible
H169	40	0.03	17.50	0.1%	43.7%	Negligible
H170	40	0.03	17.45	0.1%	43.6%	Negligible
H171	40	0.02	17.35	0.1%	43.4%	Negligible
H172	40	0.02	17.08	0.1%	42.7%	Negligible
H173	40	0.03	17.59	0.1%	44.0%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H174	40	0.02	16.77	0.0%	41.9%	Negligible
H175	40	0.03	17.63	0.1%	44.1%	Negligible
H176	40	0.02	16.63	0.0%	41.6%	Negligible
H177	40	0.02	17.03	0.1%	42.6%	Negligible
H178	40	0.02	17.25	0.1%	43.1%	Negligible
H179	40	0.03	17.53	0.1%	43.8%	Negligible
H180	40	0.02	17.30	0.1%	43.3%	Negligible
H181	40	0.02	17.32	0.1%	43.3%	Negligible
H182	40	0.02	17.15	0.1%	42.9%	Negligible
H183	40	0.02	17.14	0.1%	42.8%	Negligible
H184	40	0.02	17.13	0.1%	42.8%	Negligible
H185	40	0.02	17.15	0.1%	42.9%	Negligible
H186	40	0.02	17.11	0.1%	42.8%	Negligible
H187	40	0.02	17.03	0.1%	42.6%	Negligible
H188	40	0.01	16.06	0.0%	40.1%	Negligible
H189	40	0.01	15.83	0.0%	39.6%	Negligible
H190	40	0.01	16.17	0.0%	40.4%	Negligible
H191	40	0.02	16.24	0.0%	40.6%	Negligible
H192	40	0.02	16.20	0.0%	40.5%	Negligible
H193	40	0.02	16.17	0.0%	40.4%	Negligible
WT2	40	0.08	20.27	0.2%	50.7%	Negligible
4N	40	0.00	14.02	0.0%	35.0%	Negligible
5N	40	0.00	15.38	0.0%	38.5%	Negligible
6N	40	0.04	19.54	0.1%	48.9%	Negligible
N1C	40	0.00	13.41	0.0%	33.5%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
N5	40	0.06	19.98	0.1%	50.0%	Negligible
N8	40	0.00	15.28	0.0%	38.2%	Negligible
N11	40	0.00	15.08	0.0%	37.7%	Negligible
N18A	40	0.02	17.45	0.1%	43.6%	Negligible
N21	40	0.00	13.89	0.0%	34.7%	Negligible
N22	40	0.00	14.17	0.0%	35.4%	Negligible
N24	40	0.03	18.24	0.1%	45.6%	Negligible
N25	40	0.02	16.85	0.1%	42.1%	Negligible
N27	40	0.00	15.20	0.0%	38.0%	Negligible
N28	40	0.00	15.56	0.0%	38.9%	Negligible
N29	40	0.02	17.58	0.1%	43.9%	Negligible
N30A	40	0.18	26.23	0.4%	65.6%	Negligible
N31	40	0.00	15.57	0.0%	38.9%	Negligible
N35	40	0.04	18.75	0.1%	46.9%	Negligible
N39	40	0.03	17.26	0.1%	43.2%	Negligible
N42	40	0.00	15.56	0.0%	38.9%	Negligible
N43	40	0.03	17.54	0.1%	43.8%	Negligible
N44A	40	0.08	20.09	0.2%	50.2%	Negligible
N44B	40	0.08	20.09	0.2%	50.2%	Negligible
N44C	40	0.08	20.09	0.2%	50.2%	Negligible
N45	40	0.01	14.88	0.0%	37.2%	Negligible
N48	40	0.00	14.77	0.0%	36.9%	Negligible
N52	40	0.00	15.56	0.0%	38.9%	Negligible
N53	40	0.02	17.08	0.1%	42.7%	Negligible
N54	40	0.00	13.41	0.0%	33.5%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
N56	40	0.00	14.26	0.0%	35.6%	Negligible
N57	40	0.00	13.42	0.0%	33.5%	Negligible
N61	40	0.00	15.51	0.0%	38.8%	Negligible
N62	40	0.00	13.41	0.0%	33.5%	Negligible
N63	40	0.00	15.20	0.0%	38.0%	Negligible
N64	40	0.00	13.89	0.0%	34.7%	Negligible
N65	40	0.00	15.56	0.0%	38.9%	Negligible

Table 1-4 Modelled annual mean $PM_{2.5}$ impacts due to construction traffic

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H001	25	0.01	11.50	0.0%	46.0%	Negligible
H002	25	0.01	10.90	0.0%	43.6%	Negligible
H003	25	0.01	11.60	0.0%	46.4%	Negligible
H004	25	0.01	10.92	0.0%	43.7%	Negligible
H005	25	0.01	11.57	0.0%	46.3%	Negligible
H006	25	0.01	11.59	0.0%	46.4%	Negligible
H007	25	0.01	11.55	0.0%	46.2%	Negligible
H008	25	0.01	11.66	0.1%	46.7%	Negligible
H009	25	0.01	11.78	0.1%	47.1%	Negligible
H010	25	0.01	11.51	0.0%	46.0%	Negligible
H011	25	0.01	11.24	0.0%	45.0%	Negligible
H012	25	0.01	10.92	0.0%	43.7%	Negligible
H013	25	0.01	11.16	0.0%	44.6%	Negligible
H014	25	0.01	11.26	0.0%	45.0%	Negligible
H015	25	0.01	11.36	0.0%	45.4%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H016	25	0.01	11.00	0.0%	44.0%	Negligible
H017	25	0.01	11.02	0.0%	44.1%	Negligible
H018	25	0.01	11.11	0.0%	44.4%	Negligible
H019	25	0.01	11.80	0.1%	47.2%	Negligible
H020	25	0.01	11.76	0.1%	47.1%	Negligible
H021	25	0.01	11.65	0.1%	46.6%	Negligible
H022	25	0.01	11.65	0.1%	46.6%	Negligible
H023	25	0.01	11.83	0.1%	47.3%	Negligible
H024	25	0.01	11.78	0.1%	47.1%	Negligible
H025	25	0.01	11.80	0.1%	47.2%	Negligible
H026	25	0.01	11.58	0.0%	46.3%	Negligible
H027	25	0.02	12.02	0.1%	48.1%	Negligible
H028	25	0.03	13.33	0.1%	53.3%	Negligible
H029	25	0.00	10.75	0.0%	43.0%	Negligible
H030	25	0.01	10.80	0.0%	43.2%	Negligible
H031	25	0.00	10.58	0.0%	42.3%	Negligible
H032	25	0.00	10.00	0.0%	40.0%	Negligible
H033	25	0.00	10.03	0.0%	40.1%	Negligible
H034	25	0.03	12.40	0.1%	49.6%	Negligible
H035	25	0.02	12.21	0.1%	48.8%	Negligible
H036	25	0.02	12.11	0.1%	48.4%	Negligible
H037	25	0.02	12.08	0.1%	48.3%	Negligible
H038	25	0.02	12.08	0.1%	48.3%	Negligible
H039	25	0.02	12.09	0.1%	48.4%	Negligible
H040	25	0.01	12.02	0.1%	48.1%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H041	25	0.01	11.99	0.1%	48.0%	Negligible
H042	25	0.01	10.80	0.0%	43.2%	Negligible
H043	25	0.01	10.78	0.0%	43.1%	Negligible
H044	25	0.01	10.90	0.0%	43.6%	Negligible
H045	25	0.01	10.87	0.0%	43.5%	Negligible
H046	25	0.01	10.79	0.0%	43.2%	Negligible
H047	25	0.01	10.82	0.0%	43.3%	Negligible
H048	25	0.01	10.84	0.0%	43.3%	Negligible
H049	25	0.01	10.83	0.0%	43.3%	Negligible
H050	25	0.01	10.99	0.0%	44.0%	Negligible
H051	25	0.01	10.90	0.0%	43.6%	Negligible
H052	25	0.01	10.94	0.0%	43.8%	Negligible
H053	25	0.01	11.00	0.0%	44.0%	Negligible
H054	25	0.01	10.95	0.0%	43.8%	Negligible
H055	25	0.01	11.19	0.1%	44.8%	Negligible
H056	25	0.01	11.11	0.0%	44.5%	Negligible
H057	25	0.01	11.13	0.1%	44.5%	Negligible
H058	25	0.01	11.15	0.1%	44.6%	Negligible
H059	25	0.01	11.12	0.0%	44.5%	Negligible
H060	25	0.01	11.05	0.0%	44.2%	Negligible
H061	25	0.01	10.60	0.0%	42.4%	Negligible
H062	25	0.01	10.71	0.0%	42.8%	Negligible
H063	25	0.01	10.69	0.0%	42.8%	Negligible
H064	25	0.01	10.77	0.0%	43.1%	Negligible
H065	25	0.01	10.84	0.0%	43.4%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H066	25	0.01	10.70	0.0%	42.8%	Negligible
H067	25	0.01	10.79	0.0%	43.2%	Negligible
H068	25	0.01	10.75	0.0%	43.0%	Negligible
H069	25	0.01	10.76	0.0%	43.0%	Negligible
H070	25	0.01	11.03	0.0%	44.1%	Negligible
H071	25	0.01	11.07	0.0%	44.3%	Negligible
H072	25	0.01	10.93	0.0%	43.7%	Negligible
H073	25	0.01	11.16	0.1%	44.6%	Negligible
H074	25	0.01	11.15	0.1%	44.6%	Negligible
H075	25	0.01	11.18	0.1%	44.7%	Negligible
H076	25	0.01	11.22	0.1%	44.9%	Negligible
H077	25	0.01	11.20	0.1%	44.8%	Negligible
H078	25	0.01	11.18	0.1%	44.7%	Negligible
H079	25	0.01	11.18	0.1%	44.7%	Negligible
H080	25	0.01	10.67	0.0%	42.7%	Negligible
H081	25	0.01	11.23	0.1%	44.9%	Negligible
H082	25	0.01	11.20	0.0%	44.8%	Negligible
H083	25	0.01	11.23	0.0%	44.9%	Negligible
H084	25	0.01	11.24	0.0%	45.0%	Negligible
H085	25	0.01	11.21	0.0%	44.9%	Negligible
H086	25	0.01	11.27	0.1%	45.1%	Negligible
H087	25	0.01	11.28	0.1%	45.1%	Negligible
H088	25	0.01	11.44	0.1%	45.8%	Negligible
H089	25	0.01	11.32	0.1%	45.3%	Negligible
H090	25	0.01	10.73	0.0%	42.9%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H091	25	0.01	10.88	0.0%	43.5%	Negligible
H092	25	0.01	11.02	0.0%	44.1%	Negligible
H093	25	0.01	11.18	0.0%	44.7%	Negligible
H094	25	0.02	11.64	0.1%	46.6%	Negligible
H095	25	0.02	11.75	0.1%	47.0%	Negligible
H096	25	0.02	11.73	0.1%	46.9%	Negligible
H097	25	0.01	11.44	0.1%	45.8%	Negligible
H098	25	0.02	12.15	0.1%	48.6%	Negligible
H099	25	0.02	12.09	0.1%	48.4%	Negligible
H100	25	0.02	11.73	0.1%	46.9%	Negligible
H101	25	0.02	11.60	0.1%	46.4%	Negligible
H102	25	0.02	11.62	0.1%	46.5%	Negligible
H103	25	0.02	11.58	0.1%	46.3%	Negligible
H104	25	0.02	11.54	0.1%	46.2%	Negligible
H105	25	0.02	11.61	0.1%	46.4%	Negligible
H106	25	0.02	11.59	0.1%	46.3%	Negligible
H107	25	0.02	11.62	0.1%	46.5%	Negligible
H108	25	0.02	11.68	0.1%	46.7%	Negligible
H109	25	0.02	11.68	0.1%	46.7%	Negligible
H110	25	0.01	11.09	0.0%	44.4%	Negligible
H111	25	0.01	11.11	0.0%	44.4%	Negligible
H112	25	0.01	11.16	0.1%	44.7%	Negligible
H113	25	0.01	11.31	0.1%	45.2%	Negligible
H114	25	0.01	10.98	0.0%	43.9%	Negligible
H115	25	0.02	11.47	0.1%	45.9%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H116	25	0.01	12.09	0.0%	48.4%	Negligible
H117	25	0.01	11.83	0.0%	47.3%	Negligible
H118	25	0.01	11.67	0.0%	46.7%	Negligible
H119	25	0.01	11.56	0.0%	46.2%	Negligible
H120	25	0.01	11.47	0.0%	45.9%	Negligible
H121	25	0.02	12.49	0.1%	50.0%	Negligible
H122	25	0.02	12.53	0.1%	50.1%	Negligible
H123	25	0.02	12.52	0.1%	50.1%	Negligible
H124	25	0.02	12.44	0.1%	49.8%	Negligible
H125	25	0.02	12.45	0.1%	49.8%	Negligible
H126	25	0.01	12.40	0.1%	49.6%	Negligible
H127	25	0.02	12.66	0.1%	50.7%	Negligible
H128	25	0.02	12.77	0.1%	51.1%	Negligible
H129	25	0.02	12.86	0.1%	51.4%	Negligible
H130	25	0.02	13.08	0.1%	52.3%	Negligible
H131	25	0.02	13.24	0.1%	53.0%	Negligible
H132	25	0.02	12.86	0.1%	51.5%	Negligible
H133	25	0.02	12.76	0.1%	51.0%	Negligible
H134	25	0.02	12.74	0.1%	51.0%	Negligible
H135	25	0.02	12.69	0.1%	50.8%	Negligible
H136	25	0.03	13.07	0.1%	52.3%	Negligible
H137	25	0.05	13.93	0.2%	55.7%	Negligible
H138	25	0.12	18.32	0.5%	73.3%	Negligible
H139	25	0.01	11.49	0.0%	46.0%	Negligible
H140	25	0.02	11.99	0.1%	48.0%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H141	25	0.02	11.90	0.1%	47.6%	Negligible
H142	25	0.02	11.96	0.1%	47.8%	Negligible
H143	25	0.02	11.99	0.1%	48.0%	Negligible
H144	25	0.02	12.08	0.1%	48.3%	Negligible
H145	25	0.02	12.14	0.1%	48.6%	Negligible
H146	25	0.01	11.66	0.1%	46.6%	Negligible
H147	25	0.01	11.61	0.1%	46.5%	Negligible
H148	25	0.01	11.66	0.1%	46.6%	Negligible
H149	25	0.01	11.69	0.1%	46.8%	Negligible
H150	25	0.01	11.63	0.1%	46.5%	Negligible
H151	25	0.01	11.65	0.1%	46.6%	Negligible
H152	25	0.01	11.72	0.1%	46.9%	Negligible
H153	25	0.01	11.70	0.1%	46.8%	Negligible
H154	25	0.01	11.72	0.1%	46.9%	Negligible
H155	25	0.01	11.70	0.1%	46.8%	Negligible
H156	25	0.01	11.61	0.0%	46.4%	Negligible
H157	25	0.01	11.69	0.1%	46.8%	Negligible
H158	25	0.01	11.67	0.1%	46.7%	Negligible
H159	25	0.01	11.78	0.1%	47.1%	Negligible
H160	25	0.01	11.40	0.0%	45.6%	Negligible
H161	25	0.01	11.32	0.0%	45.3%	Negligible
H162	25	0.01	11.47	0.0%	45.9%	Negligible
H163	25	0.01	11.63	0.0%	46.5%	Negligible
H164	25	0.01	11.60	0.0%	46.4%	Negligible
H165	25	0.01	11.35	0.0%	45.4%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H166	25	0.02	12.28	0.1%	49.1%	Negligible
H167	25	0.01	11.87	0.1%	47.5%	Negligible
H168	25	0.01	11.83	0.1%	47.3%	Negligible
H169	25	0.01	11.80	0.1%	47.2%	Negligible
H170	25	0.01	11.77	0.1%	47.1%	Negligible
H171	25	0.01	11.72	0.1%	46.9%	Negligible
H172	25	0.01	11.56	0.0%	46.3%	Negligible
H173	25	0.01	11.85	0.1%	47.4%	Negligible
H174	25	0.01	11.39	0.0%	45.6%	Negligible
H175	25	0.01	11.87	0.1%	47.5%	Negligible
H176	25	0.01	11.31	0.0%	45.3%	Negligible
H177	25	0.01	11.54	0.0%	46.2%	Negligible
H178	25	0.01	11.66	0.1%	46.6%	Negligible
H179	25	0.01	11.81	0.1%	47.3%	Negligible
H180	25	0.01	11.69	0.1%	46.7%	Negligible
H181	25	0.01	11.70	0.1%	46.8%	Negligible
H182	25	0.01	11.61	0.0%	46.4%	Negligible
H183	25	0.01	11.60	0.0%	46.4%	Negligible
H184	25	0.01	11.59	0.0%	46.4%	Negligible
H185	25	0.01	11.60	0.0%	46.4%	Negligible
H186	25	0.01	11.58	0.0%	46.3%	Negligible
H187	25	0.01	11.54	0.0%	46.1%	Negligible
H188	25	0.01	11.00	0.0%	44.0%	Negligible
H189	25	0.01	10.87	0.0%	43.5%	Negligible
H190	25	0.01	11.06	0.0%	44.2%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H191	25	0.01	11.10	0.0%	44.4%	Negligible
H192	25	0.01	11.08	0.0%	44.3%	Negligible
H193	25	0.01	11.06	0.0%	44.2%	Negligible
WT2	25	0.04	13.57	0.2%	54.3%	Negligible
4N	25	0.00	9.77	0.0%	39.1%	Negligible
5N	25	0.00	10.82	0.0%	43.3%	Negligible
6N	25	0.02	12.43	0.1%	49.7%	Negligible
N1C	25	0.00	9.30	0.0%	37.2%	Negligible
N5	25	0.03	13.06	0.1%	52.2%	Negligible
N8	25	0.00	10.81	0.0%	43.2%	Negligible
N11	25	0.00	10.76	0.0%	43.0%	Negligible
N18A	25	0.01	11.27	0.1%	45.1%	Negligible
N21	25	0.00	9.26	0.0%	37.1%	Negligible
N22	25	0.00	10.01	0.0%	40.0%	Negligible
N24	25	0.02	11.71	0.1%	46.8%	Negligible
N25	25	0.01	11.44	0.0%	45.8%	Negligible
N27	25	0.00	10.80	0.0%	43.2%	Negligible
N28	25	0.00	11.00	0.0%	44.0%	Negligible
N29	25	0.01	11.34	0.1%	45.4%	Negligible
N30A	25	0.09	16.86	0.4%	67.4%	Negligible
N31	25	0.00	11.00	0.0%	44.0%	Negligible
N35	25	0.02	12.74	0.1%	51.0%	Negligible
N39	25	0.02	11.91	0.1%	47.7%	Negligible
N42	25	0.00	11.00	0.0%	44.0%	Negligible
N43	25	0.02	12.07	0.1%	48.3%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
N44A	25	0.04	13.47	0.2%	53.9%	Negligible
N44B	25	0.04	13.47	0.2%	53.9%	Negligible
N44C	25	0.04	13.47	0.2%	53.9%	Negligible
N45	25	0.01	10.23	0.0%	40.9%	Negligible
N48	25	0.00	10.50	0.0%	42.0%	Negligible
N52	25	0.00	11.00	0.0%	44.0%	Negligible
N53	25	0.01	11.57	0.0%	46.3%	Negligible
N54	25	0.00	9.30	0.0%	37.2%	Negligible
N56	25	0.00	9.62	0.0%	38.5%	Negligible
N57	25	0.00	9.31	0.0%	37.2%	Negligible
N61	25	0.00	10.95	0.0%	43.8%	Negligible
N62	25	0.00	9.30	0.0%	37.2%	Negligible
N63	25	0.00	10.80	0.0%	43.2%	Negligible
N64	25	0.00	9.63	0.0%	38.5%	Negligible
N65	25	0.00	11.00	0.0%	44.0%	Negligible

2. Glossary of terms and abbreviations

Table 2-1 Glossary of terms and abbreviations

Term (acronym)	Definition
AQMA	Air Quality Management Area. If a Local Authority identifies any locations within its boundaries where the Air Quality Objectives are not likely to be achieved, it must declare the area as an AQMA. The area may encompass just one or two streets, or it could be much bigger. The Local Authority is subsequently required to put together a plan to improve air quality in that area — a Local Air Quality Action Plan.
AQO	Air Quality Objective. The Air Quality Objectives are policy targets generally expressed as a maximum ambient concentration to be achieved, either without exception or with a permitted number of exceedances, within a specified timescale. The Objectives are set out in the UK Government's Air Quality Strategy for the key air pollutants.
Construction	Used both to refer to the whole construction phase of a project, and more specifically to refer to an activity involved in the provision of a new structure (building, road, etc.).
IAQM	Institute of Air Quality Management.
NO_2	Nitrogen dioxide.
PC	Process contribution.
PEC	Predicted environmental contribution.
PM	Particulate matter. Microscopic portions of solid matter suspended in air. This includes a wide range of particle sizes and different chemical constituents. It consists of both primary components, which are emitted directly into the atmosphere, and secondary components, which are formed within the atmosphere as a result of chemical reactions. Commonly used to refer to both PM_{10} and $PM_{2.5}$.
PM_{10}	Particulate matter smaller than 10 µm in diameter.
$PM_{2.5}$	Particulate matter smaller than 2.5 µm in diameter.
Proposed Development	The development that is subject to the application for development consent, as described in **Chapter 4 The Proposed Development**.
Receptor	These are as defined in Regulation 5(2) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

Term (acronym)	Definition
	and include population and human health, biodiversity, land, soil, water, air, climate, material assets, cultural heritage and landscape that may be at risk from exposure to pollutants which could potentially arise as a result of the Proposed Development.

4.20.2

Rampion 2 WIND FARM

Volume 4, Appendix 20.2

Full results of construction plant modelling

GoBe wood.

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1. Introduction

1.1.1 This Appendix presents full quantitative results of the modelling of the impact of construction plant. **Table 1-1** presents details of the receptors where impacts have been modelled.

1.1.2 **Table 1-2** to **Table 1-4** present modelled annual mean nitrogen dioxide (NO_2) and particulate matter (PM) (PM_{10} and $PM_{2.5}$) concentrations, along with the impact descriptor according to Institute of Air Quality Management (IAQM) (2017) guidance. Results are presented to several decimal places. This is to aid comparison against Air Quality Objectives (AQO), between receptors and between the With Proposed Development and Without Proposed Development scenarios. The number of decimal places should not be interpreted as an indication of the accuracy of the results.

1.1.3 The table headers use terminology promulgated by the Environment Agency (2020) but widely used in air quality assessments. The Process Contribution (PC) is the contribution to the concentration of pollutant arising from the Proposed Development, in this case from road traffic generated by construction activity. The Predicted Environmental Contribution (PEC) is the total concentration, including the contribution from the Proposed Development plus the contribution from all other sources, including background sources and road traffic not associated with the Proposed Development.

Table 1-1 List of receptors where impacts from construction plant are modelled

Description	X coordinates	Y coordinates	Height (m)
Landfall			
Kents Farm	500859	101632	1.6
Brookpits Cottage	500970	101912	1.6
Marina View	501620	102212	1.6
Rope walk	502198	101931	1.6
The Mill	501551	101248	1.6
Atherington Farm	500632	100896	1.6
Climping Street	500242	101355	1.6
Wineham Lane North substation search area			
Old Doctors	523846	121298	1.6
Little Farm	524745	121510	1.6

Description	X coordinates	Y coordinates	Height (m)
Partridge Farm	525453	121043	1.6
Combe Farm House	525027	120721	1.6
Twineham Court Farm	524499	120803	1.6
Twineham Grange Cottage	524579	120618	1.6
Twineham Grange	524096	120412	1.6
Grovelands Farm House	523825	120264	1.6
Wineham Lane 1	523598	120141	1.6
Wineham Lane 2	523583	120568	1.6
Wineham Lane 3	523596	120772	1.6
The Hatch	523491	121131	1.6
Westridge Place	523787	121540	1.6
Oakfield Farm	524086	121817	1.6
New Farm House	524170	121895	1.6
Dawes Farm	524432	121752	1.6
Bolney Road / Kent Street substation search area			
Coopers Farm	522873	123002	1.6
Barnfield Lodge	523341	123070	1.6
Southlands	523193	122668	1.6
Lyelands	523978	122781	1.6
Woodlands Farm	524244	122224	1.6
Oakfield Farm	523878	121911	1.6
Ridgelands	523379	121920	1.6
Westridge Farm	523227	121882	1.6
Taintfield Farm	522520	122016	1.6
Field House Farm	521865	122232	1.6

Description	X coordinates	Y coordinates	Height (m)
White House	522441	122564	1.6
Oakendene Manor	522765	122611	1.6
South Lodge	522749	122775	1.6
HDDs			
H09	501571	104002	1.6
H10	501567	103949	1.6
H11	502921	106068	1.6
H12	502833	105656	1.6
H13	502840	105655	1.6
H14	502890	105637	1.6
H15	502764	105514	1.6
H16	503691	106045	1.6
H17	503574	106073	1.6
H18	503546	106082	1.6
H19	503534	106091	1.6
H20	503505	106101	1.6
H21	514194	113432	1.6
H22	514302	113561	1.6
H23	514398	113632	1.6
H24	520920	120225	1.6
H25	520925	119999	1.6
H26	520923	119978	1.6
H27	520924	119957	1.6
H28	520923	119935	1.6
H29	520920	119916	1.6

Description	X coordinates	Y coordinates	Height (m)
H30	520917	119896	1.6
H31	520915	119878	1.6
H32	521035	119881	1.6
H33	520864	119927	1.6
H34	520828	119884	1.6
H35	501601	103410	1.6
H36	501587	103477	1.6
H37	501588	103534	1.6
H38	503289	106002	1.6
H39	503199	105546	1.6
H40	503048	106040	1.6
H41	509191	112766	1.6
H42	509840	113106	1.6
H43	510493	112954	1.6
H44	512150	113276	1.6
H45	512226	113382	1.6
H46	512833	113307	1.6
H47	512682	112902	1.6
H48	512591	112921	1.6
H49	512337	112914	1.6
H50	512227	113043	1.6
H51	513583	113278	1.6
H52	519130	117583	1.6
H53	519557	116405	1.6
H54	518830	116153	1.6

Description	X coordinates	Y coordinates	Height (m)
H55	518759	116766	1.6
H56	521487	120192	1.6
H57	522355	120127	1.6
H58	522173	119646	1.6
H59	522264	121479	1.6
H60	522850	121323	1.6
H61	522447	121151	1.6
H62	521812	121065	1.6

Table 1-2 Modelled annual mean NO_2 impacts due to construction plant

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
Landfall						
Kents Farm	40	0.50	7.76	1.3%	19.4%	Negligible
Brookpits Cottage	40	0.24	7.50	0.6%	18.8%	Negligible
Marina View	40	0.15	8.50	0.4%	21.3%	Negligible
Rope walk	40	0.13	7.35	0.3%	18.4%	Negligible
The Mill	40	1.13	8.12	2.8%	20.3%	Negligible
Atherington Farm	40	0.54	7.04	1.4%	17.6%	Negligible
Climping Street	40	0.25	7.51	0.6%	18.8%	Negligible
Wineham Lane North substation search area						
Old Doctors	40	0.85	7.88	2.1%	19.7%	Negligible
Little Farm	40	0.68	7.83	1.7%	19.6%	Negligible
Partridge Farm	40	0.12	7.58	0.3%	19.0%	Negligible
Combe Farm House	40	0.23	7.74	0.6%	19.4%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
Twineham Court Farm	40	1.02	8.16	2.6%	20.4%	Negligible
Twineham Grange Cottage	40	0.61	7.75	1.5%	19.4%	Negligible
Twineham Grange	40	0.36	7.50	0.9%	18.8%	Negligible
Grovelands Farm House	40	0.20	7.22	0.5%	18.1%	Negligible
Wineham Lane 1	40	0.12	7.14	0.3%	17.9%	Negligible
Wineham Lane 2	40	0.12	7.14	0.3%	17.9%	Negligible
Wineham Lane 3	40	0.13	7.15	0.3%	17.9%	Negligible
The Hatch	40	0.12	7.15	0.3%	17.9%	Negligible
Westridge Place	40	0.75	7.78	1.9%	19.5%	Negligible
Oakfield Farm	40	0.55	7.70	1.4%	19.3%	Negligible
New Farm House	40	0.44	7.59	1.1%	19.0%	Negligible
Dawes Farm	40	0.59	7.74	1.5%	19.4%	Negligible
Bolney Road / Kent Street substation search area						
Coopers Farm	40	0.48	7.63	1.2%	19.1%	Negligible
Barnfield Lodge	40	0.34	7.42	0.9%	18.6%	Negligible
Southlands	40	2.92	10.27	7.3%	25.7%	Slight
Lyelands	40	0.20	7.55	0.5%	18.9%	Negligible
Woodlands Farm	40	0.10	7.54	0.2%	18.9%	Negligible
Oakfield Farm	40	0.17	7.32	0.4%	18.3%	Negligible
Ridgelands	40	0.47	7.50	1.2%	18.8%	Negligible
Westridge Farm	40	0.74	7.77	1.9%	19.4%	Negligible
Taintfield Farm	40	0.33	7.82	0.8%	19.6%	Negligible
Field House Farm	40	0.08	8.48	0.2%	21.2%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
White House	40	0.50	7.99	1.3%	20.0%	Negligible
Oakendene Manor	40	1.56	9.05	3.9%	22.6%	Negligible
South Lodge	40	0.80	8.29	2.0%	20.7%	Negligible
RDX-01 DTX-01 RDX-02						
H01	40	0.13	7.39	0.3%	18.5%	Negligible
H02	40	0.12	7.38	0.3%	18.5%	Negligible
H03	40	0.14	8.49	0.4%	21.2%	Negligible
H04	40	0.13	7.35	0.3%	18.4%	Negligible
H05	40	0.64	7.63	1.6%	19.1%	Negligible
RVX-01 DTX-05 RLX-01						
H09	40	0.07	7.40	0.2%	18.5%	Negligible
H10	40	0.09	8.03	0.2%	20.1%	Negligible
H35	40	1.51	9.45	3.8%	23.6%	Negligible
H36	40	0.97	8.91	2.4%	22.3%	Negligible
H37	40	0.60	8.54	1.5%	21.4%	Negligible
RLX-02 DTX-08						
H09	40	0.78	8.11	2.0%	20.3%	Negligible
H10	40	0.57	8.51	1.4%	21.3%	Negligible
H35	40	0.15	8.09	0.4%	20.2%	Negligible
H36	40	0.18	8.12	0.4%	20.3%	Negligible
H37	40	0.21	8.15	0.5%	20.4%	Negligible
RDX-03						
H11	40	0.06	8.01	0.1%	20.0%	Negligible
H12	40	3.67	11.44	9.2%	28.6%	Slight
H13	40	3.50	11.27	8.8%	28.2%	Slight

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H14	40	1.13	8.90	2.8%	22.3%	Negligible
H15	40	0.48	8.25	1.2%	20.6%	Negligible
H16	40	0.02	7.25	0.0%	18.1%	Negligible
H17	40	0.02	7.25	0.0%	18.1%	Negligible
H18	40	0.02	7.25	0.0%	18.1%	Negligible
H19	40	0.02	7.25	0.0%	18.1%	Negligible
H20	40	0.02	7.25	0.0%	18.1%	Negligible
H38	40	0.04	7.27	0.1%	18.2%	Negligible
H39	40	0.08	8.15	0.2%	20.4%	Negligible
H40	40	0.06	7.29	0.1%	18.2%	Negligible
RDX-04 RDX-05						
H11	40	0.16	8.11	0.4%	20.3%	Negligible
H12	40	0.23	8.00	0.6%	20.0%	Negligible
H13	40	0.24	8.01	0.6%	20.0%	Negligible
H14	40	0.29	8.06	0.7%	20.2%	Negligible
H15	40	0.14	7.91	0.4%	19.8%	Negligible
H16	40	0.14	7.37	0.3%	18.4%	Negligible
H17	40	0.15	7.38	0.4%	18.5%	Negligible
H18	40	0.16	7.39	0.4%	18.5%	Negligible
H19	40	0.15	7.38	0.4%	18.5%	Negligible
H20	40	0.16	7.39	0.4%	18.5%	Negligible
H38	40	0.45	7.68	1.1%	19.2%	Negligible
H39	40	2.35	10.42	5.9%	26.1%	Slight
H40	40	0.24	7.47	0.6%	18.7%	Negligible
RDX-WE01 RDX-WE02						

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H11	40	0.06	8.01	0.1%	20.0%	Negligible
H12	40	0.04	7.81	0.1%	19.5%	Negligible
H13	40	0.04	7.81	0.1%	19.5%	Negligible
H14	40	0.04	7.81	0.1%	19.5%	Negligible
H16	40	4.19	11.42	10.5%	28.6%	Moderate
H17	40	1.93	9.16	4.8%	22.9%	Negligible
H18	40	1.20	8.43	3.0%	21.1%	Negligible
H19	40	1.03	8.26	2.6%	20.7%	Negligible
H20	40	0.76	7.99	1.9%	20.0%	Negligible
H38	40	0.16	7.39	0.4%	18.5%	Negligible
H39	40	0.09	8.16	0.2%	20.4%	Negligible
H40	40	0.08	7.31	0.2%	18.3%	Negligible
TRX-13						
H41	40	0.05	6.75	0.1%	16.9%	Negligible
RDX-07 RDX-08 STX-02						
H44	40	0.27	8.62	0.7%	21.6%	Negligible
H45	40	0.23	8.58	0.6%	21.5%	Negligible
H46	40	0.21	8.56	0.5%	21.4%	Negligible
H47	40	0.21	7.41	0.5%	18.5%	Negligible
H48	40	0.33	7.53	0.8%	18.8%	Negligible
H49	40	1.44	8.64	3.6%	21.6%	Negligible
H50	40	0.58	8.93	1.5%	22.3%	Negligible
RDX-09 TRX-17						
H44	40	0.07	8.42	0.2%	21.1%	Negligible
H45	40	0.07	8.42	0.2%	21.1%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H46	40	0.11	8.46	0.3%	21.2%	Negligible
H47	40	0.19	7.39	0.5%	18.5%	Negligible
H48	40	0.45	7.65	1.1%	19.1%	Negligible
H49	40	0.29	7.49	0.7%	18.7%	Negligible
H50	40	0.14	8.49	0.4%	21.2%	Negligible
RDX-B01						
H21	40	0.66	7.97	1.7%	19.9%	Negligible
H22	40	0.17	7.48	0.4%	18.7%	Negligible
H23	40	0.08	7.39	0.2%	18.5%	Negligible
H51	40	0.03	8.38	0.1%	21.0%	Negligible
DTX-14 RVX-02						
H52	40	0.03	7.06	0.1%	17.7%	Negligible
H53	40	0.08	7.11	0.2%	17.8%	Negligible
H54	40	0.12	7.11	0.3%	17.8%	Negligible
H55	40	0.16	7.15	0.4%	17.9%	Negligible
RDX-15						
H24	40	0.19	7.27	0.5%	18.2%	Negligible
H25	40	0.69	7.87	1.7%	19.7%	Negligible
H26	40	0.58	7.76	1.5%	19.4%	Negligible
H27	40	0.49	7.67	1.2%	19.2%	Negligible
H28	40	0.44	7.62	1.1%	19.1%	Negligible
H29	40	0.44	7.62	1.1%	19.1%	Negligible
H30	40	0.43	7.61	1.1%	19.0%	Negligible
H31	40	0.43	7.61	1.1%	19.0%	Negligible
H32	40	0.14	7.08	0.3%	17.7%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H33	40	1.14	8.32	2.9%	20.8%	Negligible
H34	40	1.00	8.18	2.5%	20.5%	Negligible
H56	40	0.04	6.98	0.1%	17.5%	Negligible
STX-BHL01						
H24	40	0.06	7.14	0.1%	17.9%	Negligible
H25	40	0.07	7.25	0.2%	18.1%	Negligible
H26	40	0.07	7.25	0.2%	18.1%	Negligible
H27	40	0.07	7.25	0.2%	18.1%	Negligible
H28	40	0.07	7.25	0.2%	18.1%	Negligible
H29	40	0.07	7.25	0.2%	18.1%	Negligible
H30	40	0.07	7.25	0.2%	18.1%	Negligible
H31	40	0.07	7.25	0.2%	18.1%	Negligible
H32	40	0.09	7.03	0.2%	17.6%	Negligible
H33	40	0.07	7.25	0.2%	18.1%	Negligible
H34	40	0.06	7.24	0.2%	18.1%	Negligible
H56	40	0.21	7.15	0.5%	17.9%	Negligible
H57	40	0.29	7.20	0.7%	18.0%	Negligible
H58	40	0.31	7.26	0.8%	18.2%	Negligible
STX-OD03						
H59	40	0.46	7.45	1.2%	18.6%	Negligible
H60	40	0.32	7.31	0.8%	18.3%	Negligible
H61	40	1.76	8.75	4.4%	21.9%	Negligible
H62	40	0.17	7.22	0.4%	18.1%	Negligible

Table 1-3 Modelled annual mean PM_{10} impacts due to construction plant

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
Landfall						
Kents Farm	40	0.01	12.87	0.0%	32.1%	Negligible
Brookpits Cottage	40	0.00	12.86	0.0%	32.1%	Negligible
Marina View	40	0.00	12.96	0.0%	32.4%	Negligible
Rope walk	40	0.00	11.95	0.0%	29.9%	Negligible
The Mill	40	0.02	12.61	0.1%	31.5%	Negligible
Atherington Farm	40	0.01	11.40	0.0%	28.5%	Negligible
Climping Street	40	0.00	12.86	0.0%	32.1%	Negligible
Wineham Lane North substation search area						
Old Doctors	40	0.02	12.29	0.0%	30.7%	Negligible
Little Farm	40	0.01	12.54	0.0%	31.4%	Negligible
Partridge Farm	40	0.00	12.88	0.0%	32.2%	Negligible
Combe Farm House	40	0.00	13.24	0.0%	33.1%	Negligible
Twineham Court Farm	40	0.02	12.82	0.1%	32.1%	Negligible
Twineham Grange Cottage	40	0.01	12.81	0.0%	32.0%	Negligible
Twineham Grange	40	0.01	12.81	0.0%	32.0%	Negligible
Grovelands Farm Hous	40	0.00	12.62	0.0%	31.6%	Negligible
Wineham Lane 1	40	0.00	12.62	0.0%	31.6%	Negligible
Wineham Lane 2	40	0.00	12.62	0.0%	31.6%	Negligible
Wineham Lane 3	40	0.00	12.62	0.0%	31.6%	Negligible
The Hatch	40	0.00	12.28	0.0%	30.7%	Negligible
Westridge Place	40	0.02	12.29	0.0%	30.7%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
Oakfield Farm	40	0.01	12.54	0.0%	31.3%	Negligible
New Farm House	40	0.01	12.54	0.0%	31.3%	Negligible
Dawes Farm	40	0.01	12.54	0.0%	31.3%	Negligible
Bolney Road / Kent Street substation search area						
Coopers Farm	40	0.01	12.88	0.0%	32.2%	Negligible
Barnfield Lodge	40	0.01	12.63	0.0%	31.6%	Negligible
Southlands	40	0.06	12.97	0.1%	32.4%	Negligible
Lyelands	40	0.00	12.91	0.0%	32.3%	Negligible
Woodlands Farm	40	0.00	12.96	0.0%	32.4%	Negligible
Oakfield Farm	40	0.00	12.53	0.0%	31.3%	Negligible
Ridgelands	40	0.01	12.29	0.0%	30.7%	Negligible
Westridge Farm	40	0.02	12.29	0.0%	30.7%	Negligible
Taintfield Farm	40	0.01	12.77	0.0%	31.9%	Negligible
Field House Farm	40	0.00	13.51	0.0%	33.8%	Negligible
White House	40	0.01	12.77	0.0%	31.9%	Negligible
Oakendene Manor	40	0.03	12.80	0.1%	32.0%	Negligible
South Lodge	40	0.02	12.78	0.0%	32.0%	Negligible
RDX-01 DTX-01 RDX-02						
H01	40	0.00	12.86	0.0%	32.1%	Negligible
H02	40	0.00	12.86	0.0%	32.1%	Negligible
H03	40	0.00	12.96	0.0%	32.4%	Negligible
H04	40	0.00	11.95	0.0%	29.9%	Negligible
H05	40	0.01	12.60	0.0%	31.5%	Negligible
RVX-01 DTX-05 RLX-01						
H09	40	0.00	12.62	0.0%	31.5%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H10	40	0.00	13.13	0.0%	32.8%	Negligible
H35	40	0.03	13.16	0.1%	32.8%	Negligible
H36	40	0.02	13.15	0.0%	32.8%	Negligible
H37	40	0.01	13.14	0.0%	32.8%	Negligible
RLX-02 DTX-08						
H09	40	0.02	12.63	0.0%	31.5%	Negligible
H10	40	0.01	13.14	0.0%	32.8%	Negligible
H35	40	0.00	13.14	0.0%	32.8%	Negligible
H36	40	0.00	13.14	0.0%	32.8%	Negligible
H37	40	0.00	13.14	0.0%	32.8%	Negligible
RDX-03						
H11	40	0.00	12.61	0.0%	31.5%	Negligible
H12	40	0.07	12.94	0.2%	32.2%	Negligible
H13	40	0.07	12.94	0.2%	32.2%	Negligible
H14	40	0.02	12.89	0.1%	32.2%	Negligible
H15	40	0.01	12.88	0.0%	32.2%	Negligible
H16	40	0.00	12.22	0.0%	30.6%	Negligible
H17	40	0.00	12.22	0.0%	30.6%	Negligible
H18	40	0.00	12.22	0.0%	30.6%	Negligible
H19	40	0.00	12.22	0.0%	30.6%	Negligible
H20	40	0.00	12.22	0.0%	30.6%	Negligible
H38	40	0.00	12.23	0.0%	30.6%	Negligible
H39	40	0.00	14.02	0.0%	35.1%	Negligible
H40	40	0.00	12.23	0.0%	30.6%	Negligible
RDX-04 RDX-05						

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H11	40	0.00	12.61	0.0%	31.5%	Negligible
H12	40	0.00	12.87	0.0%	32.2%	Negligible
H13	40	0.00	12.87	0.0%	32.2%	Negligible
H14	40	0.01	12.87	0.0%	32.2%	Negligible
H15	40	0.00	12.87	0.0%	32.2%	Negligible
H16	40	0.00	12.23	0.0%	30.6%	Negligible
H17	40	0.00	12.23	0.0%	30.6%	Negligible
H18	40	0.00	12.23	0.0%	30.6%	Negligible
H19	40	0.00	12.23	0.0%	30.6%	Negligible
H20	40	0.00	12.23	0.0%	30.6%	Negligible
H38	40	0.01	12.23	0.0%	30.6%	Negligible
H39	40	0.05	14.07	0.1%	35.1%	Negligible
H40	40	0.00	12.23	0.0%	30.6%	Negligible
RDX-WE01 RDX-WE02						
H11	40	0.00	12.61	0.0%	31.5%	Negligible
H12	40	0.00	12.87	0.0%	32.2%	Negligible
H13	40	0.00	12.87	0.0%	32.2%	Negligible
H14	40	0.00	12.87	0.0%	32.2%	Negligible
H16	40	0.08	12.31	0.2%	30.6%	Negligible
H17	40	0.04	12.26	0.1%	30.6%	Negligible
H18	40	0.02	12.25	0.1%	30.6%	Negligible
H19	40	0.02	12.24	0.1%	30.6%	Negligible
H20	40	0.01	12.24	0.0%	30.6%	Negligible
H38	40	0.00	12.23	0.0%	30.6%	Negligible
H39	40	0.00	14.02	0.0%	35.1%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H40	40	0.00	12.23	0.0%	30.6%	Negligible
TRX-13						
H41	40	0.00	12.41	0.0%	31.0%	Negligible
RDX-07 RDX-08 STX-02						
H44	40	0.01	13.88	0.0%	34.7%	Negligible
H45	40	0.00	13.88	0.0%	34.7%	Negligible
H46	40	0.00	13.88	0.0%	34.7%	Negligible
H47	40	0.00	13.59	0.0%	34.0%	Negligible
H48	40	0.01	13.59	0.0%	34.0%	Negligible
H49	40	0.03	13.61	0.1%	34.0%	Negligible
H50	40	0.01	13.89	0.0%	34.7%	Negligible
RDX-09 TRX-17						
H44	40	0.00	13.88	0.0%	34.7%	Negligible
H45	40	0.00	13.88	0.0%	34.7%	Negligible
H46	40	0.00	13.88	0.0%	34.7%	Negligible
H47	40	0.00	13.59	0.0%	34.0%	Negligible
H48	40	0.01	13.59	0.0%	34.0%	Negligible
H49	40	0.01	13.59	0.0%	34.0%	Negligible
H50	40	0.00	13.88	0.0%	34.7%	Negligible
RDX-B01						
H21	40	0.01	13.16	0.0%	32.9%	Negligible
H22	40	0.00	13.15	0.0%	32.9%	Negligible
H23	40	0.00	13.15	0.0%	32.9%	Negligible
H51	40	0.00	13.04	0.0%	32.6%	Negligible
DTX-14 RVX-02						

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H52	40	0.00	12.29	0.0%	30.7%	Negligible
H53	40	0.00	12.66	0.0%	31.6%	Negligible
H54	40	0.00	12.55	0.0%	31.4%	Negligible
H55	40	0.00	12.55	0.0%	31.4%	Negligible
RDX-15						
H24	40	0.00	13.23	0.0%	33.1%	Negligible
H25	40	0.01	12.25	0.0%	30.6%	Negligible
H26	40	0.01	12.25	0.0%	30.6%	Negligible
H27	40	0.01	12.25	0.0%	30.6%	Negligible
H28	40	0.01	12.25	0.0%	30.6%	Negligible
H29	40	0.01	12.25	0.0%	30.6%	Negligible
H30	40	0.01	12.25	0.0%	30.6%	Negligible
H31	40	0.01	12.25	0.0%	30.6%	Negligible
H32	40	0.00	12.68	0.0%	31.7%	Negligible
H33	40	0.02	12.26	0.1%	30.6%	Negligible
H34	40	0.02	12.26	0.0%	30.6%	Negligible
H56	40	0.00	13.07	0.0%	32.7%	Negligible
STX-BHL01						
H24	40	0.00	13.22	0.0%	33.1%	Negligible
H25	40	0.00	12.24	0.0%	30.6%	Negligible
H26	40	0.00	12.24	0.0%	30.6%	Negligible
H27	40	0.00	12.24	0.0%	30.6%	Negligible
H28	40	0.00	12.24	0.0%	30.6%	Negligible
H29	40	0.00	12.24	0.0%	30.6%	Negligible
H30	40	0.00	12.24	0.0%	30.6%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H31	40	0.00	12.24	0.0%	30.6%	Negligible
H32	40	0.00	12.68	0.0%	31.7%	Negligible
H33	40	0.00	12.24	0.0%	30.6%	Negligible
H34	40	0.00	12.24	0.0%	30.6%	Negligible
H56	40	0.00	13.07	0.0%	32.7%	Negligible
H57	40	0.01	12.45	0.0%	31.1%	Negligible
H58	40	0.01	12.63	0.0%	31.6%	Negligible
STX-OD03						
H59	40	0.01	12.33	0.0%	30.8%	Negligible
H60	40	0.01	12.33	0.0%	30.8%	Negligible
H61	40	0.03	12.36	0.1%	30.8%	Negligible
H62	40	0.00	12.59	0.0%	31.5%	Negligible

Table 1-4 Modelled annual mean $PM_{2.5}$ impacts due to construction plant

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
Landfall						
Kents Farm	25	0.01	8.13	0.0%	32.5%	Negligible
Brookpits Cottage	25	0.00	8.13	0.0%	32.5%	Negligible
Marina View	25	0.00	8.37	0.0%	33.5%	Negligible
Rope walk	25	0.00	8.09	0.0%	32.3%	Negligible
The Mill	25	0.02	8.08	0.1%	32.2%	Negligible
Atherington Farm	25	0.01	7.64	0.0%	30.5%	Negligible
Climping Street	25	0.00	8.13	0.0%	32.5%	Negligible
Wineham Lane North substation search area						

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
Old Doctors	25	0.02	8.09	0.1%	32.4%	Negligible
Little Farm	25	0.01	8.15	0.1%	32.6%	Negligible
Partridge Farm	25	0.00	8.28	0.0%	33.1%	Negligible
Combe Farm House	25	0.00	8.39	0.0%	33.6%	Negligible
Twineham Court Farm	25	0.02	8.23	0.1%	32.9%	Negligible
Twineham Grange Cottage	25	0.01	8.22	0.0%	32.9%	Negligible
Twineham Grange	25	0.01	8.22	0.0%	32.9%	Negligible
Grovelands Farm House	25	0.00	8.16	0.0%	32.7%	Negligible
Wineham Lane 1	25	0.00	8.16	0.0%	32.6%	Negligible
Wineham Lane 2	25	0.00	8.16	0.0%	32.6%	Negligible
Wineham Lane 3	25	0.00	8.16	0.0%	32.6%	Negligible
The Hatch	25	0.00	8.07	0.0%	32.3%	Negligible
Westridge Place	25	0.02	8.09	0.1%	32.3%	Negligible
Oakfield Farm	25	0.01	8.15	0.0%	32.6%	Negligible
New Farm House	25	0.01	8.15	0.0%	32.6%	Negligible
Dawes Farm	25	0.01	8.15	0.0%	32.6%	Negligible
Bolney Road / Kent Street substation search area						
Coopers Farm	25	0.01	8.32	0.0%	33.3%	Negligible
Barnfield Lodge	25	0.01	8.20	0.0%	32.8%	Negligible
Southlands	25	0.06	8.36	0.2%	33.5%	Negligible
Lyelands	25	0.00	8.31	0.0%	33.2%	Negligible
Woodlands Farm	25	0.00	8.31	0.0%	33.2%	Negligible
Oakfield Farm	25	0.00	8.14	0.0%	32.6%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
Ridgelands	25	0.01	8.08	0.0%	32.3%	Negligible
Westridge Farm	25	0.02	8.09	0.1%	32.3%	Negligible
Taintfield Farm	25	0.01	8.32	0.0%	33.3%	Negligible
Field House Farm	25	0.00	8.98	0.0%	35.9%	Negligible
White House	25	0.01	8.33	0.0%	33.3%	Negligible
Oakendene Manor	25	0.03	8.35	0.1%	33.4%	Negligible
South Lodge	25	0.02	8.33	0.1%	33.3%	Negligible
RDX-01 DTX-01 RDX-02						
H01	25	0.00	8.13	0.0%	32.5%	Negligible
H02	25	0.00	8.13	0.0%	32.5%	Negligible
H03	25	0.00	8.37	0.0%	33.5%	Negligible
H04	25	0.00	8.09	0.0%	32.3%	Negligible
H05	25	0.01	8.07	0.0%	32.2%	Negligible
RVX-01 DTX-05 RLX-01						
H09	25	0.00	8.16	0.0%	32.6%	Negligible
H10	25	0.00	8.45	0.0%	33.8%	Negligible
H35	25	0.03	8.47	0.1%	33.8%	Negligible
H36	25	0.02	8.46	0.1%	33.8%	Negligible
H37	25	0.01	8.46	0.0%	33.8%	Negligible
RLX-02 DTX-08						
H09	25	0.02	8.18	0.1%	32.6%	Negligible
H10	25	0.01	8.46	0.0%	33.8%	Negligible
H35	25	0.00	8.45	0.0%	33.8%	Negligible
H36	25	0.00	8.45	0.0%	33.8%	Negligible
H37	25	0.00	8.45	0.0%	33.8%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
RDX-03						
H11	25	0.00	8.26	0.0%	33.1%	Negligible
H12	25	0.07	8.33	0.3%	33.1%	Negligible
H13	25	0.07	8.33	0.3%	33.1%	Negligible
H14	25	0.02	8.28	0.1%	33.1%	Negligible
H15	25	0.01	8.27	0.0%	33.1%	Negligible
H16	25	0.00	7.98	0.0%	31.9%	Negligible
H17	25	0.00	7.98	0.0%	31.9%	Negligible
H18	25	0.00	7.98	0.0%	31.9%	Negligible
H19	25	0.00	7.98	0.0%	31.9%	Negligible
H20	25	0.00	7.98	0.0%	31.9%	Negligible
H38	25	0.00	7.98	0.0%	31.9%	Negligible
H39	25	0.00	8.59	0.0%	34.3%	Negligible
H40	25	0.00	7.98	0.0%	31.9%	Negligible
RDX-04 RDX-05						
H11	25	0.00	8.27	0.0%	33.1%	Negligible
H12	25	0.00	8.27	0.0%	33.1%	Negligible
H13	25	0.00	8.27	0.0%	33.1%	Negligible
H14	25	0.01	8.27	0.0%	33.1%	Negligible
H15	25	0.00	8.27	0.0%	33.1%	Negligible
H16	25	0.00	7.98	0.0%	31.9%	Negligible
H17	25	0.00	7.98	0.0%	31.9%	Negligible
H18	25	0.00	7.98	0.0%	31.9%	Negligible
H19	25	0.00	7.98	0.0%	31.9%	Negligible
H20	25	0.00	7.98	0.0%	31.9%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H38	25	0.01	7.98	0.0%	31.9%	Negligible
H39	25	0.05	8.63	0.2%	34.3%	Negligible
H40	25	0.00	7.98	0.0%	31.9%	Negligible
RDX-WE01 RDX-WE02						
H11	25	0.00	8.26	0.0%	33.1%	Negligible
H12	25	0.00	8.26	0.0%	33.1%	Negligible
H13	25	0.00	8.26	0.0%	33.1%	Negligible
H14	25	0.00	8.26	0.0%	33.1%	Negligible
H16	25	0.08	8.06	0.3%	31.9%	Negligible
H17	25	0.04	8.01	0.1%	31.9%	Negligible
H18	25	0.02	8.00	0.1%	31.9%	Negligible
H19	25	0.02	8.00	0.1%	31.9%	Negligible
H20	25	0.01	7.99	0.1%	31.9%	Negligible
H38	25	0.00	7.98	0.0%	31.9%	Negligible
H39	25	0.00	8.59	0.0%	34.3%	Negligible
H40	25	0.00	7.98	0.0%	31.9%	Negligible
TRX-13						
H41	25	0.00	7.86	0.0%	31.4%	Negligible
RDX-07 RDX-08 STX-02						
H44	25	0.01	8.36	0.0%	33.4%	Negligible
H45	25	0.00	8.36	0.0%	33.4%	Negligible
H46	25	0.00	8.36	0.0%	33.4%	Negligible
H47	25	0.00	8.19	0.0%	32.7%	Negligible
H48	25	0.01	8.19	0.0%	32.7%	Negligible
H49	25	0.03	8.21	0.1%	32.7%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H50	25	0.01	8.37	0.0%	33.4%	Negligible
RDX-09 TRX-17						
H44	25	0.00	8.36	0.0%	33.4%	Negligible
H45	25	0.00	8.36	0.0%	33.4%	Negligible
H46	25	0.00	8.36	0.0%	33.4%	Negligible
H47	25	0.00	8.19	0.0%	32.7%	Negligible
H48	25	0.01	8.19	0.0%	32.7%	Negligible
H49	25	0.01	8.19	0.0%	32.7%	Negligible
H50	25	0.00	8.36	0.0%	33.4%	Negligible
RDX-B01						
H21	25	0.01	8.17	0.1%	32.6%	Negligible
H22	25	0.00	8.16	0.0%	32.6%	Negligible
H23	25	0.00	8.16	0.0%	32.6%	Negligible
H51	25	0.00	8.08	0.0%	32.3%	Negligible
DTX-14 RVX-02						
H52	25	0.00	7.97	0.0%	31.9%	Negligible
H53	25	0.00	8.10	0.0%	32.4%	Negligible
H54	25	0.00	8.02	0.0%	32.1%	Negligible
H55	25	0.00	8.02	0.0%	32.1%	Negligible
RDX-15						
H24	25	0.00	8.36	0.0%	33.4%	Negligible
H25	25	0.01	8.07	0.1%	32.2%	Negligible
H26	25	0.01	8.06	0.0%	32.2%	Negligible
H27	25	0.01	8.06	0.0%	32.2%	Negligible
H28	25	0.01	8.06	0.0%	32.2%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H29	25	0.01	8.06	0.0%	32.2%	Negligible
H30	25	0.01	8.06	0.0%	32.2%	Negligible
H31	25	0.01	8.06	0.0%	32.2%	Negligible
H32	25	0.00	8.05	0.0%	32.2%	Negligible
H33	25	0.02	8.08	0.1%	32.2%	Negligible
H34	25	0.02	8.07	0.1%	32.2%	Negligible
H56	25	0.00	8.27	0.0%	33.1%	Negligible
STX-BHL01						
H24	25	0.00	8.36	0.0%	33.4%	Negligible
H25	25	0.00	8.05	0.0%	32.2%	Negligible
H26	25	0.00	8.05	0.0%	32.2%	Negligible
H27	25	0.00	8.05	0.0%	32.2%	Negligible
H28	25	0.00	8.05	0.0%	32.2%	Negligible
H29	25	0.00	8.05	0.0%	32.2%	Negligible
H30	25	0.00	8.05	0.0%	32.2%	Negligible
H31	25	0.00	8.05	0.0%	32.2%	Negligible
H32	25	0.00	8.05	0.0%	32.2%	Negligible
H33	25	0.00	8.05	0.0%	32.2%	Negligible
H34	25	0.00	8.05	0.0%	32.2%	Negligible
H56	25	0.00	8.27	0.0%	33.1%	Negligible
H57	25	0.01	8.10	0.0%	32.4%	Negligible
H58	25	0.01	8.03	0.0%	32.1%	Negligible
STX-OD03						
H59	25	0.01	8.10	0.0%	32.4%	Negligible
H60	25	0.01	8.10	0.0%	32.4%	Negligible

ID	AQO (µg m^{-3})	PC (µg m^{-3})	PEC (µg m^{-3})	PC (% of AQO)	PEC (% of AQO)	Impact
H61	25	0.03	8.13	0.1%	32.4%	Negligible
H62	25	0.00	8.19	0.0%	32.8%	Negligible

2. Glossary of terms and abbreviations

Table 2-1 Glossary of terms and abbreviations

Term (acronym)	Definition
AQO	Air Quality Objective. The Air Quality Objectives are policy targets generally expressed as a maximum ambient concentration to be achieved, either without exception or with a permitted number of exceedances, within a specified timescale. The Objectives are set out in the UK Government's Air Quality Strategy for the key air pollutants.
Construction	Used both to refer to the whole construction phase of a project, and more specifically to refer to an activity involved in the provision of a new structure (building, road, etc.).
IAQM	Institute of Air Quality Management.
NO_2	Nitrogen dioxide.
PC	Process contribution.
PEC	Predicted environmental contribution.
PM	Particulate matter. Microscopic portions of solid matter suspended in air. This includes a wide range of particle sizes and different chemical constituents. It consists of both primary components, which are emitted directly into the atmosphere, and secondary components, which are formed within the atmosphere as a result of chemical reactions. Commonly used to refer to both PM_{10} and $PM_{2.5}$.
PM_{10}	Particulate matter smaller than 10 µm in diameter.
$PM_{2.5}$	Particulate matter smaller than 2.5 µm in diameter.
Proposed Development	The development that is subject to the application for development consent, as described in **Chapter 4 The Proposed Development**.
Receptor	These are as defined in Regulation 5(2) of The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 and include population and human health, biodiversity, land, soil, water, air, climate, material assets, cultural heritage and landscape that may be at risk from exposure to pollutants which could potentially arise as a result of the Proposed Development.

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