



## Appendix 11.9

### HUMAN RECEPTOR MODELLED RESULTS

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## 11.9 Appendix 11.9 Human receptor modelled results

Modelled changes in concentrations of NO<sub>2</sub>, PM<sub>10</sub> and PM<sub>2.5</sub> for the 2030 operational year of the Proposed Development are presented in Table 1. The Air Quality Assessment Levels (AQAL) considered are the UK annual average air quality objectives for each pollutant.

### Operational

Table 1 Modelled concentrations at human receptors for operational assessment for baseline (BL), future baseline do nothing (DN, traffic scenario 2), future baseline with proposed development do something (DS, traffic scenario 3), % of the concentration of the AQAL, % change in concentration relative to AQAL and the IAQM impact descriptor

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
R.1	17.1	13.1	13.4	33	0.6	Negligible	16.1	16.0	16.1	40	0.2	Negligible	10.4	10.4	10.4	52	0.3	Negligible
R.2	18.9	14.0	14.3	36	0.8	Negligible	16.2	16.3	16.4	41	0.2	Negligible	10.5	10.5	10.6	53	0.3	Negligible
R.3	21.1	14.9	15.2	38	0.9	Negligible	16.6	16.7	16.8	42	0.3	Negligible	10.8	10.8	10.9	54	0.3	Negligible
R.4	18.3	13.7	13.9	35	0.7	Negligible	16.3	16.4	16.5	41	0.2	Negligible	10.6	10.6	10.6	53	0.3	Negligible
R.5	17.0	12.9	13.1	33	0.6	Negligible	16.2	16.2	16.3	41	0.2	Negligible	10.5	10.5	10.5	53	0.2	Negligible
R.6	22.3	14.9	15.3	38	1.1	Negligible	17.1	17.2	17.3	43	0.4	Negligible	11.1	11.0	11.1	56	0.5	Negligible
R.7	15.0	12.2	12.3	31	0.4	Negligible	16.0	16.0	16.1	40	0.2	Negligible	10.4	10.4	10.4	52	0.2	Negligible
R.8	15.4	12.3	12.5	31	0.5	Negligible	16.1	16.1	16.1	40	0.2	Negligible	10.4	10.4	10.4	52	0.2	Negligible
R.9	14.9	12.2	12.3	31	0.4	Negligible	16.0	16.0	16.1	40	0.2	Negligible	10.4	10.4	10.4	52	0.2	Negligible
R.10	14.5	12.0	12.2	30	0.4	Negligible	16.0	16.0	16.0	40	0.2	Negligible	10.4	10.3	10.4	52	0.2	Negligible
R.11	15.5	12.4	12.6	31	0.6	Negligible	16.1	16.1	16.2	40	0.2	Negligible	10.5	10.4	10.5	52	0.3	Negligible
R.12	16.4	13.7	13.9	35	0.5	Negligible	15.9	15.9	16.0	40	0.2	Negligible	10.3	10.3	10.3	52	0.2	Negligible
R.13	20.7	15.1	15.6	39	1.1	Negligible	16.6	16.5	16.7	42	0.4	Negligible	10.7	10.7	10.8	54	0.5	Negligible
R.14	23.4	16.3	16.7	42	1.1	Negligible	16.8	16.8	16.9	42	0.4	Negligible	10.9	10.8	10.9	55	0.5	Negligible
R.15	34.2	20.7	21.5	54	2.1	Negligible	17.9	17.9	18.2	45	0.7	Negligible	11.6	11.5	11.7	58	0.8	Negligible
R.16	23.0	16.0	16.5	41	1.2	Negligible	16.6	16.5	16.7	42	0.4	Negligible	10.8	10.7	10.8	54	0.5	Negligible
R.17	23.4	16.8	17.2	43	1.1	Negligible	16.3	16.4	16.5	41	0.5	Negligible	10.6	10.6	10.7	54	0.5	Negligible

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
R.18	18.4	14.8	15.1	38	0.6	Negligible	15.5	15.5	15.6	39	0.2	Negligible	10.1	10.1	10.2	51	0.3	Negligible
R.19	22.9	16.6	17.0	43	1.0	Negligible	16.2	16.3	16.5	41	0.4	Negligible	10.6	10.6	10.7	53	0.5	Negligible
R.20	18.3	14.8	15.0	37	0.5	Negligible	15.4	15.5	15.6	39	0.2	Negligible	10.1	10.1	10.1	51	0.3	Negligible
R.21	21.4	16.0	16.3	41	0.9	Negligible	15.9	16.0	16.1	40	0.4	Negligible	10.4	10.4	10.5	52	0.4	Negligible
R.22	32.3	21.6	22.2	56	1.4	Negligible	19.6	19.6	19.8	49	0.5	Negligible	12.2	12.1	12.2	61	0.6	Negligible
R.23	22.3	18.0	18.2	46	0.4	Negligible	18.5	18.4	18.5	46	0.2	Negligible	11.5	11.4	11.5	57	0.2	Negligible
R.24	22.6	17.9	18.0	45	0.2	Negligible	18.5	18.5	18.5	46	0.1	Negligible	11.5	11.4	11.5	57	0.1	Negligible
R.25	32.6	21.7	22.1	55	1.1	Negligible	19.8	19.8	19.9	50	0.4	Negligible	12.3	12.2	12.3	61	0.5	Negligible
R.26	29.2	20.3	20.5	51	0.7	Negligible	19.5	19.4	19.5	49	0.3	Negligible	12.1	12.0	12.1	60	0.3	Negligible
R.27	41.9	24.7	24.9	62	0.4	Negligible	21.8	21.7	21.7	54	0.1	Negligible	13.5	13.3	13.3	67	0.2	Negligible
R.28	46.3	26.5	26.7	67	0.5	Negligible	22.5	22.4	22.4	56	0.2	Negligible	13.9	13.7	13.7	69	0.2	Negligible
R.29	33.3	22.3	22.5	56	0.4	Negligible	19.8	19.8	19.9	50	0.2	Negligible	12.6	12.4	12.5	62	0.2	Negligible
R.30	26.1	19.2	19.2	48	0.0	Negligible	18.8	18.5	18.5	46	0.0	Negligible	11.9	11.7	11.7	58	0.0	Negligible
R.31	28.0	20.0	20.0	50	-0.2	Negligible	18.9	18.7	18.7	47	-0.1	Negligible	12.0	11.8	11.8	59	-0.1	Negligible
R.32	31.4	21.1	21.0	52	-0.4	Negligible	19.4	19.1	19.0	48	-0.2	Negligible	12.3	12.0	12.0	60	-0.2	Negligible
R.33	25.9	19.5	19.4	48	-0.2	Negligible	18.8	18.6	18.5	46	-0.1	Negligible	11.9	11.7	11.7	59	-0.1	Negligible
R.34	46.8	26.2	26.1	65	-0.2	Negligible	22.2	21.6	21.5	54	-0.1	Negligible	14.0	13.4	13.4	67	-0.1	Negligible
R.35	28.2	20.1	20.2	51	0.2	Negligible	19.2	19.0	19.0	48	0.1	Negligible	12.2	12.0	12.0	60	0.1	Negligible
R.36	31.3	21.1	21.2	53	0.2	Negligible	19.6	19.3	19.3	48	0.1	Negligible	12.4	12.1	12.2	61	0.1	Negligible
R.37	24.1	17.0	17.1	43	0.2	Negligible	17.5	17.3	17.3	43	0.1	Negligible	11.6	11.4	11.4	57	0.1	Negligible
R.38	32.4	19.6	19.7	49	0.3	Negligible	18.6	18.2	18.3	46	0.1	Negligible	12.2	11.9	12.0	60	0.1	Negligible
R.39	49.7	25.7	25.6	64	-0.1	Negligible	21.4	20.8	20.8	52	-0.1	Negligible	13.9	13.4	13.4	67	-0.1	Negligible
R.40	29.8	18.9	18.9	47	0.0	Negligible	18.5	18.2	18.3	46	0.0	Negligible	12.2	11.9	11.9	60	0.0	Negligible
R.41	23.0	16.8	16.8	42	0.0	Negligible	17.6	17.4	17.4	44	0.0	Negligible	11.6	11.5	11.5	57	0.0	Negligible
R.42	42.5	24.6	24.7	62	0.3	Negligible	21.3	20.7	20.7	52	0.1	Negligible	13.4	12.9	12.9	65	0.1	Negligible
R.43	23.9	16.9	17.0	43	0.3	Negligible	17.4	17.2	17.3	43	0.1	Negligible	11.6	11.4	11.4	57	0.2	Negligible
R.44	31.3	19.2	19.3	48	0.3	Negligible	18.3	18.0	18.0	45	0.1	Negligible	12.1	11.8	11.8	59	0.1	Negligible
R.45	23.9	17.0	17.1	43	0.0	Negligible	17.6	17.5	17.5	44	0.0	Negligible	11.7	11.5	11.5	58	0.0	Negligible

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
R.46	17.3	13.3	13.3	33	0.0	Negligible	16.6	16.5	16.5	41	0.0	Negligible	10.5	10.5	10.5	52	0.0	Negligible
R.47	41.2	22.4	22.3	56	-0.2	Negligible	19.9	19.4	19.3	48	-0.1	Negligible	13.1	12.6	12.5	63	-0.1	Negligible
R.48	24.9	17.3	17.3	43	0.0	Negligible	17.7	17.5	17.5	44	0.0	Negligible	11.7	11.5	11.5	58	0.0	Negligible
R.49	24.5	17.1	17.2	43	0.3	Negligible	17.6	17.3	17.4	43	0.2	Negligible	11.6	11.4	11.5	57	0.2	Negligible
R.50	21.8	17.3	17.3	43	0.1	Negligible	17.5	17.3	17.4	43	0.1	Negligible	11.3	11.1	11.2	56	0.1	Negligible
R.51	19.9	16.7	16.8	42	0.1	Negligible	17.2	17.1	17.1	43	0.0	Negligible	11.1	11.0	11.0	55	0.0	Negligible
R.52	19.2	16.5	16.5	41	0.1	Negligible	17.1	17.0	17.0	43	0.0	Negligible	11.0	11.0	11.0	55	0.0	Negligible
R.53	16.3	14.4	14.5	36	0.1	Negligible	16.9	16.9	16.9	42	0.0	Negligible	10.6	10.6	10.6	53	0.0	Negligible
R.54	11.6	10.6	10.6	27	0.0	Negligible	14.5	14.5	14.5	36	0.0	Negligible	9.5	9.4	9.4	47	0.0	Negligible
R.55	18.5	14.3	14.6	36	0.5	Negligible	16.1	16.0	16.1	40	0.2	Negligible	10.4	10.4	10.4	52	0.2	Negligible
R.56	17.8	13.8	13.9	35	0.3	Negligible	16.0	15.8	15.9	40	0.1	Negligible	10.4	10.3	10.3	51	0.1	Negligible
R.57	14.2	11.5	11.6	29	0.3	Negligible	16.5	16.4	16.4	41	0.1	Negligible	10.0	9.9	9.9	50	0.1	Negligible
R.58	19.1	13.0	13.2	33	0.5	Negligible	16.6	16.3	16.4	41	0.2	Negligible	10.8	10.5	10.6	53	0.2	Negligible
R.59	14.8	11.7	11.8	29	0.3	Negligible	16.6	16.4	16.5	41	0.1	Negligible	10.1	9.9	10.0	50	0.1	Negligible
R.60	18.0	12.7	12.8	32	0.4	Negligible	16.4	16.2	16.2	41	0.2	Negligible	10.7	10.5	10.5	52	0.2	Negligible
R.61	18.3	12.8	13.0	32	0.4	Negligible	16.5	16.2	16.3	41	0.2	Negligible	10.7	10.5	10.5	53	0.2	Negligible
R.62	16.4	12.1	12.3	31	0.4	Negligible	16.8	16.6	16.7	42	0.2	Negligible	10.2	10.0	10.1	50	0.2	Negligible
R.63	16.3	13.4	13.5	34	0.2	Negligible	15.9	15.7	15.8	39	0.1	Negligible	10.3	10.2	10.2	51	0.1	Negligible
R.64	10.1	9.4	9.4	23	0.1	Negligible	15.3	15.3	15.3	38	0.0	Negligible	9.6	9.6	9.6	48	0.0	Negligible
R.65	10.6	9.5	9.5	24	0.1	Negligible	15.4	15.3	15.3	38	0.0	Negligible	9.6	9.6	9.6	48	0.0	Negligible
R.66	11.9	10.8	10.8	27	0.1	Negligible	14.8	14.8	14.8	37	0.0	Negligible	9.7	9.7	9.7	48	0.0	Negligible
R.67	13.2	11.1	11.2	28	0.2	Negligible	15.0	15.0	15.0	37	0.1	Negligible	9.8	9.8	9.8	49	0.1	Negligible
R.68	14.5	11.4	11.6	29	0.4	Negligible	15.2	15.1	15.1	38	0.2	Negligible	9.9	9.8	9.9	49	0.2	Negligible
R.69	12.8	11.0	11.1	28	0.2	Negligible	15.0	14.9	14.9	37	0.1	Negligible	9.8	9.7	9.8	49	0.1	Negligible
R.70	13.6	11.2	11.3	28	0.2	Negligible	15.1	15.0	15.0	38	0.1	Negligible	9.9	9.8	9.8	49	0.1	Negligible
R.71	15.6	11.9	12.0	30	0.3	Negligible	15.3	15.2	15.3	38	0.1	Negligible	10.0	9.9	9.9	50	0.1	Negligible
R.72	18.0	12.7	12.8	32	0.2	Negligible	15.5	15.4	15.5	39	0.1	Negligible	10.1	10.0	10.1	50	0.1	Negligible
R.73	20.5	13.6	13.7	34	0.3	Negligible	15.9	15.8	15.9	40	0.1	Negligible	10.4	10.3	10.3	51	0.1	Negligible

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
R.74	20.4	13.5	13.6	34	0.3	Negligible	15.8	15.7	15.7	39	0.1	Negligible	10.3	10.2	10.2	51	0.1	Negligible
R.75	13.1	11.2	11.2	28	0.1	Negligible	15.1	15.0	15.0	38	0.0	Negligible	9.8	9.8	9.8	49	0.0	Negligible
R.76	15.9	12.1	12.1	30	0.1	Negligible	15.3	15.2	15.3	38	0.0	Negligible	10.0	9.9	9.9	50	0.1	Negligible
R.77	25.4	14.3	14.4	36	0.2	Negligible	17.0	16.8	16.8	42	0.1	Negligible	10.9	10.7	10.7	53	0.1	Negligible
R.78	15.1	10.9	10.9	27	0.0	Negligible	15.9	15.8	15.8	40	0.0	Negligible	10.2	10.1	10.1	50	0.0	Negligible
R.79	17.6	11.7	11.6	29	-0.2	Negligible	16.3	16.1	16.1	40	-0.1	Negligible	10.4	10.3	10.2	51	-0.1	Negligible
R.80	17.8	11.1	11.2	28	0.1	Negligible	15.5	15.3	15.3	38	0.0	Negligible	10.1	10.0	10.0	50	0.0	Negligible
R.81	19.9	12.3	12.4	31	0.1	Negligible	16.5	16.4	16.4	41	0.0	Negligible	10.8	10.6	10.6	53	0.0	Negligible
R.82	14.3	10.9	10.9	27	0.0	Negligible	15.5	15.4	15.4	38	0.0	Negligible	10.4	10.4	10.4	52	0.0	Negligible
R.83	15.2	11.0	10.9	27	-0.1	Negligible	15.9	15.8	15.8	39	0.0	Negligible	10.1	10.1	10.0	50	0.0	Negligible
R.84	17.1	11.5	11.5	29	0.1	Negligible	16.1	16.0	16.0	40	0.1	Negligible	10.5	10.4	10.4	52	0.1	Negligible
R.85	14.5	10.7	10.8	27	0.1	Negligible	15.5	15.5	15.5	39	0.0	Negligible	10.2	10.1	10.1	51	0.0	Negligible
R.86	14.2	10.6	10.6	27	0.1	Negligible	15.6	15.5	15.5	39	0.0	Negligible	10.2	10.1	10.1	51	0.0	Negligible
R.87	24.5	18.8	18.8	47	0.0	Negligible	18.5	18.2	18.2	46	0.0	Negligible	11.7	11.5	11.5	58	0.0	Negligible
R.88	25.4	19.3	19.3	48	-0.1	Negligible	18.7	18.5	18.5	46	-0.1	Negligible	11.8	11.7	11.7	58	-0.1	Negligible
R.89	25.8	19.5	19.5	49	-0.1	Negligible	18.8	18.6	18.6	47	-0.1	Negligible	11.9	11.8	11.8	59	-0.1	Negligible
R.90	24.1	17.0	17.0	43	0.1	Negligible	17.9	17.8	17.8	44	0.0	Negligible	11.6	11.5	11.5	57	0.0	Negligible
R.91	21.7	16.2	16.2	41	0.1	Negligible	17.7	17.6	17.6	44	0.0	Negligible	11.5	11.4	11.4	57	0.0	Negligible
R.92	25.0	17.3	17.3	43	0.1	Negligible	18.0	17.8	17.8	45	0.0	Negligible	11.7	11.5	11.5	58	0.0	Negligible
R.93	26.2	17.7	17.8	44	0.1	Negligible	18.1	17.9	17.9	45	0.0	Negligible	11.7	11.6	11.6	58	0.1	Negligible
R.94	19.2	15.4	15.4	38	0.1	Negligible	17.5	17.4	17.4	44	0.0	Negligible	11.3	11.3	11.3	56	0.0	Negligible
R.95	23.3	16.7	16.8	42	0.1	Negligible	17.8	17.7	17.7	44	0.0	Negligible	11.6	11.4	11.5	57	0.0	Negligible
CanalR.1	22.4	17.6	17.7	44	0.2	Negligible	17.3	17.2	17.3	43	0.1	Negligible	11.1	11.0	11.0	55	0.1	Negligible
CanalR.2	26.2	18.9	19.0	48	0.3	Negligible	17.9	17.9	17.9	45	0.1	Negligible	11.5	11.4	11.4	57	0.1	Negligible
CanalR.3	19.3	15.2	15.4	39	0.7	Negligible	15.6	15.6	15.7	39	0.3	Negligible	10.2	10.2	10.3	51	0.3	Negligible
CanalR.4	23.6	16.8	17.3	43	1.1	Negligible	16.3	16.4	16.6	41	0.5	Negligible	10.6	10.6	10.7	54	0.5	Negligible
CanalR.5	32.7	21.0	21.2	53	0.5	Negligible	19.0	18.9	19.0	48	0.2	Negligible	12.1	12.0	12.0	60	0.2	Negligible
CanalR.6	25.6	18.5	18.6	47	0.3	Negligible	17.7	17.6	17.7	44	0.1	Negligible	11.4	11.2	11.3	56	0.1	Negligible

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
CanalR.7	40.0	23.0	23.2	58	0.6	Negligible	20.0	19.5	19.6	49	0.2	Negligible	12.8	12.3	12.4	62	0.3	Negligible
CanalR.8	38.1	22.2	22.5	56	0.5	Negligible	20.0	19.6	19.6	49	0.2	Negligible	12.8	12.4	12.5	62	0.2	Negligible

## Construction

Table 2 Modelled concentrations at human receptors for construction traffic assessment for baseline (BL), future baseline do nothing (DN, traffic scenario 2), future baseline with proposed development do something (DS, traffic scenario 3), % of the concentration of the AQAL, % change in concentration relative to AQAL and the IAQM impact descriptor

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
CR.1	15.3	12.4	12.4	31	0.1	Negligible	15.9	15.9	15.9	40	0.1	Negligible	10.3	10.3	10.3	51	0.1	Negligible
CR.2	17.4	13.2	13.3	33	0.2	Negligible	16.2	16.2	16.2	41	0.1	Negligible	10.5	10.5	10.5	52	0.1	Negligible
CR.3	18.3	13.4	13.5	34	0.2	Negligible	16.2	16.1	16.2	40	0.1	Negligible	10.5	10.4	10.5	52	0.1	Negligible
CR.4	21.2	14.6	14.7	37	0.3	Negligible	16.4	16.5	16.5	41	0.1	Negligible	10.7	10.6	10.6	53	0.1	Negligible
CR.5	18.5	14.4	14.4	36	0.1	Negligible	17.8	17.7	17.8	44	0.1	Negligible	12.3	12.3	12.3	61	0.1	Negligible
CR.6	19.0	14.6	14.7	37	0.1	Negligible	17.9	17.9	17.9	45	0.1	Negligible	12.4	12.4	12.4	62	0.1	Negligible
CR.7	19.0	13.8	13.8	35	0.2	Negligible	16.3	16.3	16.3	41	0.1	Negligible	10.6	10.5	10.5	53	0.1	Negligible
CR.8	17.3	14.0	14.0	35	0.1	Negligible	17.6	17.6	17.6	44	0.0	Negligible	12.2	12.2	12.2	61	0.1	Negligible
CR.9	17.3	12.5	12.6	31	0.1	Negligible	16.7	16.7	16.7	42	0.1	Negligible	10.4	10.4	10.4	52	0.1	Negligible
CR.10	15.2	11.9	11.9	30	0.0	Negligible	16.4	16.4	16.4	41	0.0	Negligible	10.2	10.2	10.2	51	0.0	Negligible
CR.11	17.1	13.1	13.2	33	0.2	Negligible	16.1	16.0	16.1	40	0.1	Negligible	10.4	10.4	10.4	52	0.1	Negligible
CR.12	19.0	14.0	14.2	35	0.3	Negligible	16.2	16.3	16.3	41	0.1	Negligible	10.5	10.5	10.5	53	0.1	Negligible
CR.13	18.4	13.7	13.8	35	0.3	Negligible	16.3	16.4	16.4	41	0.1	Negligible	10.6	10.6	10.6	53	0.1	Negligible
CR.14	21.1	14.9	15.0	38	0.5	Negligible	16.6	16.7	16.7	42	0.1	Negligible	10.8	10.8	10.8	54	0.1	Negligible
CR.15	17.0	12.9	13.0	32	0.2	Negligible	16.2	16.2	16.2	41	0.1	Negligible	10.5	10.5	10.5	53	0.1	Negligible
CR.16	15.0	12.2	12.2	30	0.0	Negligible	16.0	16.0	16.0	40	0.0	Negligible	10.4	10.4	10.4	52	0.0	Negligible
CR.17	15.4	12.3	12.3	31	0.1	Negligible	16.1	16.1	16.1	40	0.0	Negligible	10.4	10.4	10.4	52	0.0	Negligible

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
CR.18	22.4	15.0	15.1	38	0.3	Negligible	17.1	17.2	17.3	43	0.2	Negligible	11.1	11.1	11.1	55	0.2	Negligible
CR.19	14.9	12.1	12.2	30	0.0	Negligible	16.0	16.0	16.0	40	0.0	Negligible	10.4	10.4	10.4	52	0.0	Negligible
CR.20	14.5	12.0	12.0	30	0.0	Negligible	16.0	16.0	16.0	40	0.0	Negligible	10.4	10.3	10.4	52	0.0	Negligible
CR.21	15.4	12.3	12.3	31	0.0	Negligible	16.1	16.1	16.1	40	0.0	Negligible	10.5	10.4	10.4	52	0.0	Negligible
CR.22	16.4	13.7	13.7	34	0.0	Negligible	15.9	15.9	15.9	40	0.0	Negligible	10.3	10.3	10.3	52	0.0	Negligible
CR.23	20.7	15.2	15.2	38	0.2	Negligible	16.6	16.6	16.6	42	0.1	Negligible	10.7	10.7	10.7	54	0.1	Negligible
CR.24	23.4	16.3	16.4	41	0.4	Negligible	16.8	16.8	16.8	42	0.1	Negligible	10.9	10.8	10.9	54	0.2	Negligible
CR.25	22.9	16.0	16.2	40	0.4	Negligible	16.6	16.5	16.6	41	0.1	Negligible	10.8	10.7	10.7	53	0.1	Negligible
CR.26	33.7	20.5	20.8	52	0.9	Negligible	17.8	17.9	18.0	45	0.2	Negligible	11.6	11.5	11.5	58	0.3	Negligible
CR.27	18.3	14.8	14.8	37	0.0	Negligible	15.5	15.5	15.5	39	0.0	Negligible	10.1	10.1	10.1	51	0.0	Negligible
CR.28	23.4	16.8	16.8	42	0.1	Negligible	16.3	16.4	16.4	41	0.1	Negligible	10.6	10.6	10.6	53	0.1	Negligible
CR.29	23.0	16.6	16.7	42	0.1	Negligible	16.2	16.3	16.3	41	0.1	Negligible	10.6	10.6	10.6	53	0.1	Negligible
CR.30	18.4	14.8	14.8	37	0.0	Negligible	15.5	15.5	15.5	39	0.0	Negligible	10.1	10.1	10.1	51	0.0	Negligible
CR.31	21.4	16.0	16.0	40	0.1	Negligible	15.9	16.0	16.0	40	0.1	Negligible	10.4	10.4	10.4	52	0.1	Negligible
CR.32	22.3	18.0	18.0	45	0.0	Negligible	18.5	18.4	18.4	46	0.0	Negligible	11.5	11.4	11.4	57	0.0	Negligible
CR.33	32.2	21.6	21.8	54	0.4	Negligible	19.6	19.6	19.6	49	0.1	Negligible	12.2	12.1	12.1	61	0.1	Negligible
CR.34	32.8	21.8	21.9	55	0.3	Negligible	19.8	19.8	19.8	50	0.1	Negligible	12.3	12.2	12.2	61	0.1	Negligible
CR.35	29.1	20.3	20.3	51	0.0	Negligible	19.5	19.4	19.4	49	0.0	Negligible	12.1	12.0	12.0	60	0.0	Negligible
CR.36	33.6	22.4	22.4	56	0.0	Negligible	19.9	19.9	19.9	50	0.0	Negligible	12.6	12.5	12.5	62	0.0	Negligible
CR.37	28.2	20.1	20.2	50	0.1	Negligible	19.0	18.7	18.7	47	0.0	Negligible	12.0	11.8	11.8	59	0.0	Negligible
CR.38	31.4	21.1	21.3	53	0.3	Negligible	19.4	19.1	19.1	48	0.1	Negligible	12.3	12.0	12.0	60	0.1	Negligible
CR.39	26.1	19.2	19.2	48	0.0	Negligible	18.8	18.5	18.5	46	0.0	Negligible	11.9	11.7	11.7	58	0.0	Negligible
CR.40	25.9	19.5	19.5	49	0.1	Negligible	18.8	18.6	18.6	47	0.1	Negligible	11.9	11.7	11.8	59	0.1	Negligible
CR.41	46.4	26.1	26.2	65	0.3	Negligible	22.1	21.5	21.5	54	0.1	Negligible	13.9	13.4	13.4	67	0.1	Negligible
CR.42	42.6	24.6	24.7	62	0.2	Negligible	21.3	20.7	20.7	52	0.1	Negligible	13.4	12.9	12.9	65	0.1	Negligible
CR.43	31.3	21.1	21.1	53	0.1	Negligible	19.6	19.3	19.3	48	0.0	Negligible	12.4	12.1	12.1	61	0.0	Negligible
CR.44	28.2	20.1	20.1	50	0.0	Negligible	19.2	19.0	19.0	47	0.0	Negligible	12.2	12.0	12.0	60	0.0	Negligible
CR.45	24.0	16.9	16.9	42	0.0	Negligible	17.4	17.2	17.2	43	0.0	Negligible	11.6	11.4	11.4	57	0.0	Negligible

ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
CR.46	24.1	17.0	17.0	43	0.0	Negligible	17.5	17.3	17.3	43	0.0	Negligible	11.6	11.4	11.4	57	0.0	Negligible
CR.47	24.5	17.1	17.1	43	0.0	Negligible	17.6	17.3	17.3	43	0.0	Negligible	11.6	11.4	11.4	57	0.0	Negligible
CR.48	32.1	19.5	19.5	49	0.1	Negligible	18.5	18.2	18.2	45	0.0	Negligible	12.2	11.9	11.9	60	0.0	Negligible
CR.49	31.6	19.3	19.3	48	0.1	Negligible	18.4	18.0	18.0	45	0.0	Negligible	12.1	11.8	11.8	59	0.0	Negligible
CR.50	49.1	25.5	25.5	64	0.2	Negligible	21.3	20.7	20.7	52	0.1	Negligible	13.9	13.3	13.3	67	0.1	Negligible
CR.51	41.0	22.3	22.4	56	0.1	Negligible	19.9	19.3	19.4	48	0.0	Negligible	13.0	12.6	12.6	63	0.0	Negligible
CR.52	29.9	19.0	19.0	47	0.0	Negligible	18.5	18.3	18.3	46	0.0	Negligible	12.2	11.9	12.0	60	0.0	Negligible
CR.53	24.9	17.3	17.3	43	0.0	Negligible	17.7	17.5	17.5	44	0.0	Negligible	11.7	11.5	11.5	58	0.0	Negligible
CR.54	23.8	17.0	17.0	43	0.0	Negligible	17.6	17.5	17.5	44	0.0	Negligible	11.6	11.5	11.5	57	0.0	Negligible
CR.55	23.0	16.8	16.7	42	0.0	Negligible	17.6	17.4	17.4	44	0.0	Negligible	11.6	11.5	11.5	57	0.0	Negligible
CR.56	17.3	13.3	13.2	33	0.0	Negligible	16.6	16.5	16.5	41	0.0	Negligible	10.5	10.5	10.4	52	0.0	Negligible
CR.57	45.6	26.2	26.3	66	0.2	Negligible	22.4	22.2	22.3	56	0.1	Negligible	13.9	13.6	13.6	68	0.1	Negligible
CR.58	41.7	24.6	24.7	62	0.1	Negligible	21.8	21.7	21.7	54	0.1	Negligible	13.5	13.3	13.3	66	0.1	Negligible
CR.59	18.3	13.3	13.4	33	0.2	Negligible	15.8	15.8	15.9	40	0.1	Negligible	10.2	10.1	10.2	51	0.1	Negligible
CR.60	16.0	12.4	12.5	31	0.1	Negligible	15.5	15.5	15.5	39	0.1	Negligible	10.0	9.9	9.9	50	0.1	Negligible
CR.61	20.2	13.9	14.1	35	0.3	Negligible	16.1	16.2	16.2	41	0.2	Negligible	10.4	10.3	10.4	52	0.2	Negligible
CR.62	11.1	9.8	9.8	24	0.0	Negligible	15.0	15.0	15.0	38	0.0	Negligible	9.6	9.6	9.6	48	0.0	Negligible
CR.63	14.0	10.7	10.7	27	0.1	Negligible	15.5	15.5	15.5	39	0.1	Negligible	9.9	9.8	9.9	49	0.1	Negligible
CR.64	9.6	9.1	9.1	23	0.0	Negligible	14.5	14.5	14.5	36	0.0	Negligible	9.5	9.4	9.4	47	0.0	Negligible
CR.65	12.4	10.0	10.0	25	0.0	Negligible	14.9	14.9	14.9	37	0.0	Negligible	9.7	9.7	9.7	48	0.0	Negligible
CR.66	24.5	18.8	18.8	47	0.0	Negligible	18.5	18.2	18.2	46	0.0	Negligible	11.7	11.6	11.5	58	0.0	Negligible
CR.67	25.5	19.4	19.4	48	0.1	Negligible	18.7	18.5	18.6	46	0.1	Negligible	11.9	11.7	11.7	59	0.1	Negligible
CR.68	25.8	19.5	19.6	49	0.1	Negligible	18.8	18.6	18.7	47	0.1	Negligible	11.9	11.8	11.8	59	0.1	Negligible
CanalR.1	22.4	17.6	17.7	44	0.0	Negligible	17.3	17.2	17.2	43	0.0	Negligible	11.1	11.0	11.0	55	0.0	Negligible
CanalR.2	26.2	18.9	18.9	47	0.0	Negligible	17.9	17.9	17.9	45	0.0	Negligible	11.5	11.4	11.4	57	0.0	Negligible
CanalR.3	19.3	15.2	15.2	38	0.2	Negligible	15.6	15.6	15.7	39	0.1	Negligible	10.2	10.2	10.2	51	0.1	Negligible
CanalR.4	23.6	16.8	17.0	42	0.3	Negligible	16.3	16.4	16.5	41	0.2	Negligible	10.6	10.6	10.7	53	0.2	Negligible
CanalR.5	32.7	21.0	21.0	53	0.1	Negligible	19.0	18.9	18.9	47	0.1	Negligible	12.1	12.0	12.0	60	0.1	Negligible



ID	NO <sub>2</sub>						PM <sub>10</sub>						PM <sub>2.5</sub>					
	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor	BL	DN	DS	% of AQAL	% Change	Impact descriptor
CanalR.6	25.6	18.5	18.6	46	0.0	Negligible	17.7	17.6	17.6	44	0.0	Negligible	11.4	11.2	11.2	56	0.0	Negligible
CanalR.7	40.0	23.0	23.0	58	0.1	Negligible	20.0	19.5	19.5	49	0.1	Negligible	12.8	12.3	12.3	62	0.1	Negligible
CanalR.8	38.1	22.2	22.3	56	0.1	Negligible	20.0	19.6	19.6	49	0.0	Negligible	12.8	12.4	12.4	62	0.0	Negligible