

## **Appendix 3**

### **Results of the DMRB Air Quality Assessment.**

Appendix 3.1. Results of the DMRB Assessment for a Do-minimum Scenario.

Receptor number	Name	Year	CO *	Benzene	1,3-butadiene	NO <sub>x</sub>	NO <sub>2</sub> *	PM <sub>10</sub>	
			Annual mean mg/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Days >50 g/m <sup>3</sup>
1	Shieling base	2010	0.07	0.07	0.03	6.35	4.28	10.37	0.00
1	Shieling base	2025	0.07	0.07	0.03	5.42	3.92	10.08	0.00
2	Riggysyde base	2010	0.11	0.11	0.07	20.84	8.79	11.60	0.00
2	Riggysyde base	2025	0.11	0.11	0.08	17.76	7.90	11.11	0.00
3	Station road base	2010	0.07	0.07	0.02	5.54	3.96	10.31	0.00
3	Station road base	2025	0.08	0.08	0.03	4.75	3.65	10.04	0.00
4	Trostan base	2010	0.07	0.07	0.02	5.10	3.78	10.27	0.00
4	Trostan base	2025	0.07	0.07	0.02	4.38	3.50	10.01	0.00
5	Leaderbank base	2010	0.07	0.07	0.02	4.85	3.68	10.24	0.00
5	Leaderbank base	2025	0.07	0.07	0.02	4.16	3.40	9.98	0.00
6	1 The Row base	2010	0.08	0.08	0.03	6.07	4.17	10.39	0.00
6	1 The Row base	2025	0.08	0.08	0.03	5.22	3.84	10.11	0.00
7	Heathfield base	2010	0.08	0.08	0.02	5.48	3.93	10.32	0.00
7	Heathfield base	2025	0.08	0.08	0.03	4.69	3.62	10.04	0.00
8	Channel Kirk Primary base	2010	0.07	0.07	0.02	4.61	3.58	10.21	0.00
8	Channel Kirk Primary base	2025	0.07	0.07	0.02	3.94	3.31	9.95	0.00

Appendix 3.2. Results of the DMRB Assessment for a Do-something Scenario.

Receptor number	Name	Year	CO *	Benzene	1,3-butadiene	NO <sub>x</sub>	NO <sub>2</sub> *	PM <sub>10</sub>	
			Annual mean mg/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Annual mean g/m <sup>3</sup>	Days >50 g/m <sup>3</sup>
1	The Shieling	2010	0.07	0.07	0.03	6.34	4.27	10.36	0.00
1	The Shieling	2025	0.07	0.07	0.03	5.42	3.92	10.08	0.00
2	Riggsyde	2010	0.11	0.10	0.07	20.86	8.80	11.65	0.00
2	Riggsyde	2025	0.11	0.11	0.08	17.68	7.88	11.14	0.00
3	Station Road	2010	0.08	0.08	0.02	5.58	3.97	10.32	0.00
3	Station Road	2025	0.08	0.08	0.03	4.78	3.66	10.05	0.00
4	Trostan	2010	0.07	0.07	0.02	5.14	3.80	10.28	0.00
4	Trostan	2025	0.07	0.07	0.02	4.41	3.51	10.01	0.00
5	Leaderbank	2010	0.07	0.07	0.02	4.87	3.69	10.25	0.00
5	Leaderbank	2025	0.07	0.07	0.02	4.18	3.41	9.98	0.00
6	1 The Row	2010	0.08	0.08	0.03	5.95	4.12	10.39	0.00
6	1 The Row	2025	0.08	0.08	0.03	5.22	3.84	10.12	0.00
7	Heathfield	2010	0.08	0.08	0.02	5.40	3.90	10.31	0.00
7	Heathfield	2025	0.08	0.08	0.03	4.68	3.62	10.05	0.00
8	Channel Kirk Primary	2010	0.07	0.07	0.02	4.59	3.57	10.21	0.00
8	Channel Kirk Primary	2025	0.07	0.07	0.02	3.94	3.31	9.95	0.00

\*Traffic flows have been stopped along the route therefore the NETCEN background concentrations have been entered.