
Appendix C2

Regional Air Quality Assessments

DMRB: Regional Impact Assessment

OUTPUT SHEET

Summary

Name	Maybole Do minimum 2031		
Year	2025	Number of links	10
Pollutant	Total emission	Units	
CO	19,772	kg/year	
THC	3,469	kg/year	
NO _x	15,457	kg/year	
PM ₁₀	412	kg/year	
C	1,701	tonnes/year	

All links

Link number	Link title	Emissions				
		CO (kg/year)	THC (kg/year)	NO _x (kg/year)	PM ₁₀ (kg/year)	C (tonnes/year)
1	A77 North of Maybole (Kirkmichael Road to North	10,676	1,902	9,298	237	1,004
2	A77 Maybole Cassillis Road	2,020	359	1,511	42	165
3	A77 Maybole High Street	1,836	326	1,130	35	133
4	A77 Maybole Whitehall	781	152	675	18	69
5	A77 South of Maybole (Coral Glen to South round	2,669	518	2,339	61	237
6	B7023 Culzean Road (Barns Terrace to Maybole	981	116	260	11	51
7	B7023 Culzean Road (Cargill Road to Whitefauld	185	22	54	2	10
8	B7023 Culzean Road (Whitefaulds Ave to Gallow	362	43	115	4	20
9	B7023 Culzean Road (Gallowhill Avenue to Culze	184	22	54	2	10
10	Ladyland Road	79	9	21	1	4

Summary

Name	Maybole Do something 2018	
Year	2018	Number of links 12
Pollutant	Total emission	Units
CO	15,509	kg/year
THC	2,487	kg/year
NO _x	13,378	kg/year
PM ₁₀	370	kg/year
C	1,539	tonnes/year

All links

Link number	Link title	Emissions					
		CO (kg/year)	THC (kg/year)	NO _x (kg/year)	PM ₁₀ (kg/year)	C (tonnes/year)	
1	A77 North of Maybole (Kirkmichael Road to North	3,497	424	1,794	59	259	
2	A77 Maybole Cassillis Road	702	90	305	11	45	
3	A77 Maybole High Street	717	85	192	8	37	
4	A77 Maybole Whitehall	287	36	108	4	17	
5	A77 South of Maybole (Coral Glen to South round	882	110	330	12	52	
6	B7023 Culzean Road (Barns Terrace to Maybole	575	68	173	6	30	
7	B7023 Culzean Road (Cargill Road to Whitefauld	139	16	39	1	7	
8	B7023 Culzean Road (Whitefaulds Ave to Gallow	346	40	98	4	18	
9	B7023 Culzean Road (Gallowhill Avenue to Culze	180	21	54	2	10	
10	Ladyland Road	26	3	8	0	1	
11	Maybole Bypass North	7,256	1,398	9,125	236	952	
12	Maybole Bypass South	900	195	1,154	26	111	

Summary

Name	Maybole Do minimum 2018	
Year	2018	Number of links 10
Pollutant	Total emission	Units
CO	17,929	kg/year
THC	3,017	kg/year
NO _x	13,739	kg/year
PM ₁₀	358	kg/year
C	1,504	tonnes/year

All links

Link number	Link title	Emissions				
		CO (kg/year)	THC (kg/year)	NO _x (kg/year)	PM ₁₀ (kg/year)	C (tonnes/year)
1	A77 North of Maybole (Kirkmichael Road to North	9,690	1,658	8,326	207	892
2	A77 Maybole Cassillis Road	1,804	307	1,328	36	144
3	A77 Maybole High Street	1,626	276	969	29	114
4	A77 Maybole Whitehall	711	132	590	15	60
5	A77 South of Maybole (Coral Glen to South round	2,398	443	2,027	52	205
6	B7023 Culzean Road (Barns Terrace to Maybole	932	110	263	10	48
7	B7023 Culzean Road (Cargill Road to Whitefauld	175	21	53	2	9
8	B7023 Culzean Road (Whitefaulds Ave to Gallow	343	41	112	4	19
9	B7023 Culzean Road (Gallowhill Avenue to Culze	175	21	53	2	9
10	Ladyland Road	73	8	19	1	4

Summary

Name	Maybole Do something 2013		
Year	2013	Number of links	12
Pollutant	Total emission		Units
CO	15,180		kg/year
THC	2,430		kg/year
NO _x	15,503		kg/year
PM ₁₀	429		kg/year
C	1,508		tonnes/year

All links

Link number	Link title	Emissions				
		CO (kg/year)	THC (kg/year)	NO _x (kg/year)	PM ₁₀ (kg/year)	C (tonnes/year)
1	A77 North of Maybole (Kirkmichael Road to North	3,429	-419	2,020	64	260
2	A77 Maybole Cassillis Road	691	90	356	12	45
3	A77 Maybole High Street	705	84	215	9	37
4	A77 Maybole Whitehall	283	36	120	4	17
5	A77 South of Maybole (Coral Glen to South round	869	109	374	13	53
6	B7023 Culzean Road (Barns Terrace to Maybole	564	67	206	7	31
7	B7023 Culzean Road (Cargill Road to Whitefauld	138	16	43	2	7
8	B7023 Culzean Road (Whitefaulds Ave to Gallow	342	39	106	4	18
9	B7023 Culzean Road (Gallowhill Avenue to Culze	178	20	58	2	10
10	Ladyland Road	26	3	9	0	1
11	Maybole Bypass North	7,086	1,364	10,724	282	926
12	Maybole Bypass South	869	182	1,272	29	101

Summary

Name	Maybole Do minimum 2013	
Year	2013	Number of links 10
Pollutant	Total emission	Units
CO	17,531	kg/year
THC	2,949	kg/year
NO _x	15,885	kg/year
PM ₁₀	417	kg/year
C	1,463	tonnes/year

All links

Link number	Link title	Emissions				
		CO (kg/year)	THC (kg/year)	NO _x (kg/year)	PM ₁₀ (kg/year)	C (tonnes/year)
1	A77 North of Maybole (Kirkmichael Road to North)	9,471	1,619	9,593	240	865
2	A77 Maybole Cassillis Road	1,766	302	1,555	42	140
3	A77 Maybole High Street	1,586	270	1,130	35	111
4	A77 Maybole Whitehall	693	129	684	18	58
5	A77 South of Maybole (Coral Glen to South round)	2,338	432	2,349	61	198
6	B7023 Culzean Road (Barns Terrace to Maybole)	918	108	306	11	49
7	B7023 Culzean Road (Cargill Road to Whitefauld)	173	20	59	2	10
8	B7023 Culzean Road (Whitefaulds Ave to Galloway)	339	40	126	4	19
9	B7023 Culzean Road (Gallowhill Avenue to Culzean)	173	21	61	2	10
10	Ladyland Road	73	8	21	1	4

DMRB: Regional Impact Assessment

OUTPUT SHEET

Summary

Name	Maybole Do something 2031	
Year	2025	Number of links 12
Pollutant	Total emission	Units
CO	16,927	kg/year
THC	2,838	kg/year
NO _x	14,969	kg/year
PM ₁₀	421	kg/year
C	1,735	tonnes/year

All links

Link number	Link title	Emissions				
		CO (kg/year)	THC (kg/year)	NO _x (kg/year)	PM ₁₀ (kg/year)	C (tonnes/year)
1	A77 North of Maybole (Kirkmichael Road to North	3,724	457	1,884	68	278
2	A77 Maybole Cassillis Road	748	98	320	12	49
3	A77 Maybole High Street	760	91	206	10	40
4	A77 Maybole Whitehall	305	39	118	5	18
5	A77 South of Maybole (Coral Glen to South round	933	119	362	13	56
6	B7023 Cuizean Road (Barns Terrace to Maybole	607	72	167	7	32
7	B7023 Cuizean Road (Cargill Road to Whitefauld	147	17	40	2	7
8	B7023 Cuizean Road (Whitefaulds Ave to Gallow	364	42	101	4	19
9	B7023 Cuizean Road (Gallowhill Avenue to Cuize	189	22	55	2	10
10	Ladyland Road	28	3	8	0	2
11	Maybole Bypass North	8,101	1,647	10,378	269	1,096
12	Maybole Bypass South	1,021	232	1,328	30	129