APPENDIX C

AIR QUALITY ASSESSMENTS

DMRB: Assessment of Local Air Quality

OUTPUT SHEET

Current receptor

Receptor Name	Dungoyle	Receptor number	10
Assessment year	2011		

CLEAR RESULTS - CURRENT RECEPTOR

CLEAR RESULTS - ALL RECEPTORS

Results

Pollutant	Annual mean				For comparison with Air Quality Standards		
	Background concentration	Road traffic component	Total	Units	Metric	Value	Units
CO	0.00	0.00	0.00	mg/m^3	Annual mean*	0.00	mg/m^3
Benzene	0.00	0.00	0.00	$\mu g/m^3$	Annual mean	0.00	$\mu g/m^3$
1,3-butadiene	0.00	0.00	0.00	$\mu g/m^3$	Annual mean	0.00	$\mu g/m^3$
NO_x	0.0	0.6	0.6	$\mu g/m^3$	Not applicable		
NO_2	4.8	0.4	5.2	$\mu g/m^3$	Annual mean*	5.2	$\mu g/m^3$
PM_{10}	8.1	0.06	8.11	$\mu g/m^3$	Annual mean	8.1	$\mu g/m^3$
					Days >50$\mu g/m^3$	0	Days

* See Footnote 32 in DMRB Volume 11 Chapter 3

Contribution of each link to annual mean

Link number	CO (mg/m^3)	Benzene ($\mu g/m^3$)	1,3-butadiene ($\mu g/m^3$)	NOx ($\mu g/m^3$)	PM_{10} ($\mu g/m^3$)
1	0.00	0.00	0.00	0.64	0.06
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

All receptors

Receptor number	Name	Year	Pollutant concentrations at receptor						
			CO *	Benzene	1,3-butadiene	NO_x	NO_2 *	PM_{10}	
			Annual mean mg/m^3	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Days >50$\mu g/m^3$
1	The Graze Restaurant	2011	0.02	0.02	0.01	3.56	6.38	8.39	0.00
2	Fernside	2011	0.03	0.03	0.02	5.10	6.93	8.54	0.00
3	No.1	2011	0.02	0.03	0.01	3.97	6.53	8.43	0.00
4	Maulside Lodge	2011	0.03	0.03	0.01	4.20	6.61	8.45	0.00
5	No.17	2011	0.01	0.01	0.00	0.98	5.32	8.14	0.00
6	No.18	2011	0.00	0.00	0.00	0.58	5.13	8.11	0.00
7	No.22	2011	0.00	0.00	0.00	0.18	4.92	8.07	0.00
8	No.25	2011	0.01	0.01	0.00	1.13	5.39	8.16	0.00
9	No.27	2011	0.01	0.02	0.01	2.31	5.89	8.27	0.00
10	Dungoyle	2011	0.00	0.00	0.00	0.64	5.16	8.11	0.00

* See Footnote 32 in DMRB Volume 11 Chapter 3

DMRB: Assessment of Local Air Quality

OUTPUT SHEET

Current receptor

Receptor Name	Dungoyle	Receptor number	10
Assessment year	2011		

CLEAR RESULTS - CURRENT RECEPTOR

CLEAR RESULTS - ALL RECEPTORS

Results

Pollutant	Annual mean				For comparison with Air Quality Standards		
	Background concentration	Road traffic component	Total	Units	Metric	Value	Units
CO	0.00	0.01	0.01	mg/m^3	Annual mean*	0.01	mg/m^3
Benzene	0.00	0.01	0.01	µg/m^3	Annual mean	0.01	µg/m^3
1,3-butadiene	0.00	0.01	0.01	µg/m^3	Annual mean	0.01	µg/m^3
NO_x	0.0	2.1	2.1	µg/m^3	Not applicable		
NO_2	4.8	1.0	5.8	µg/m^3	Annual mean*	5.8	µg/m^3
PM_{10}	8.1	0.20	8.25	µg/m^3	Annual mean	8.3	µg/m^3
					Days >50µg/m^3	0	Days

* See Footnote 32 in DMRB Volume 11 Chapter 3

Contribution of each link to annual mean

Link number	CO (mg/m^3)	Benzene (µg/m^3)	1,3-butadiene (µg/m^3)	NOx (µg/m^3)	PM_{10} (µg/m^3)
1	0.01	0.01	0.01	2.09	0.20
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

All receptors

Receptor number	Name	Year	Pollutant concentrations at receptor						
			CO *	Benzene	1,3-butadiene	NO_x	NO_2 *	PM_{10}	
			Annual mean mg/m^3	Annual mean µg/m^3	Annual mean µg/m^3	Annual mean µg/m^3	Annual mean µg/m^3	Annual mean µg/m^3	Days >50µg/m^3
1	The Graze Restuarnt	2011	0.02	0.02	0.01	3.47	6.34	8.38	0.00
2	Fernside	2011	0.03	0.04	0.02	5.37	7.03	8.56	0.00
3	No.1	2011	0.02	0.02	0.01	3.20	6.24	8.36	0.00
4	Maulside Lodge	2011	0.03	0.03	0.01	4.20	6.61	8.45	0.00
5	No.17	2011	0.03	0.04	0.02	5.49	7.07	8.58	0.00
6	No.18	2011	0.03	0.04	0.02	5.37	7.03	8.56	0.00
7	No.22	2011	0.01	0.01	0.00	1.24	5.44	8.17	0.00
8	No.25	2011	0.00	0.00	0.00	0.17	4.91	8.07	0.00
9	No.27	2011	0.02	0.02	0.01	2.89	6.12	8.33	0.00
10	Dungoyle	2011	0.01	0.01	0.01	2.09	5.80	8.25	0.00

* See Footnote 32 in DMRB Volume 11 Chapter 3

DMRB: Assessment of Local Air Quality

OUTPUT SHEET

Current receptor

Receptor Name	No.27	Receptor number	9
Assessment year	2014		

CLEAR RESULTS - CURRENT RECEPTOR

CLEAR RESULTS - ALL RECEPTORS

Results

Pollutant	Annual mean				For comparison with Air Quality Standards		
	Background concentration	Road traffic component	Total	Units	Metric	Value	Units
CO	0.00	0.01	0.01	mg/m^3	Annual mean*	0.01	mg/m^3
Benzene	0.00	0.01	0.01	$\mu g/m^3$	Annual mean	0.01	$\mu g/m^3$
1,3-butadiene	0.00	0.01	0.01	$\mu g/m^3$	Annual mean	0.01	$\mu g/m^3$
NO_x	0.0	2.2	2.2	$\mu g/m^3$	Not applicable		
NO_2	4.3	1.1	5.3	$\mu g/m^3$	Annual mean*	5.3	$\mu g/m^3$
PM_{10}	7.9	0.21	8.11	$\mu g/m^3$	Annual mean	8.1	$\mu g/m^3$
					Days >50$\mu g/m^3$	0	Days

* See Footnote 32 in DMRB Volume 11 Chapter 3

Contribution of each link to annual mean

Link number	CO (mg/m^3)	Benzene ($\mu g/m^3$)	1,3-butadiene ($\mu g/m^3$)	NOx ($\mu g/m^3$)	PM_{10} ($\mu g/m^3$)
1	0.01	0.01	0.01	2.23	0.21
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

All receptors

Receptor number	Name	Year	Pollutant concentrations at receptor						
			CO *	Benzene	1,3-butadiene	NO_x	NO_2 *	PM_{10}	
			Annual mean mg/m^3	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Days >50$\mu g/m^3$
1	The Graze Restaurant	2014	0.02	0.02	0.01	3.45	5.81	8.23	0.00
2	Fernside	2014	0.03	0.03	0.02	4.94	6.36	8.37	0.00
3	No.1	2014	0.02	0.02	0.01	3.84	5.96	8.26	0.00
4	Maulside Lodge	2014	0.02	0.03	0.01	4.06	6.04	8.28	0.00
5	No.17	2014	0.01	0.01	0.00	0.94	4.78	7.99	0.00
6	No.18	2014	0.00	0.00	0.00	0.56	4.60	7.95	0.00
7	No.22	2014	0.00	0.00	0.00	0.17	4.39	7.92	0.00
8	No.25	2014	0.01	0.01	0.00	1.09	4.85	8.00	0.00
9	No.27	2014	0.01	0.01	0.01	2.23	5.34	8.11	0.00
10	Dungoyle	2014	0.00	0.00	0.00	0.62	4.63	7.96	0.00

* See Footnote 32 in DMRB Volume 11 Chapter 3

DMRB: Assessment of Local Air Quality

OUTPUT SHEET

Current receptor

Receptor Name	Dungoyle	**Receptor number**	10
Assessment year	2014		

CLEAR RESULTS - CURRENT RECEPTOR

CLEAR RESULTS - ALL RECEPTORS

Results

Pollutant	Annual mean				For comparison with Air Quality Standards		
	Background concentration	Road traffic component	Total	Units	Metric	Value	Units
CO	0.00	0.01	0.01	mg/m^3	Annual mean*	0.01	mg/m^3
Benzene	0.00	0.01	0.01	$\mu g/m^3$	Annual mean	0.01	$\mu g/m^3$
1,3-butadiene	0.00	0.01	0.01	$\mu g/m^3$	Annual mean	0.01	$\mu g/m^3$
NO_x	0.0	1.9	1.9	$\mu g/m^3$	Not applicable		
NO_2	4.3	0.9	5.2	$\mu g/m^3$	Annual mean*	5.2	$\mu g/m^3$
PM_{10}	7.9	0.18	8.08	$\mu g/m^3$	Annual mean	8.1	$\mu g/m^3$
					Days >50$\mu g/m^3$	0	Days

* See Footnote 32 in DMRB Volume 11 Chapter 3

Contribution of each link to annual mean

Link number	CO (mg/m^3)	Benzene ($\mu g/m^3$)	1,3-butadiene ($\mu g/m^3$)	NOx ($\mu g/m^3$)	PM_{10} ($\mu g/m^3$)
1	0.01	0.01	0.01	1.91	0.18
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

All receptors

Receptor number	Name	Year	Pollutant concentrations at receptor						
			CO *	Benzene	1,3-butadiene	NO_x	NO_2 *	PM_{10}	
			Annual mean mg/m^3	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Annual mean $\mu g/m^3$	Days >50$\mu g/m^3$
1	The Graze Retaurant	2014	0.02	0.02	0.01	3.17	5.71	8.19	0.00
2	Fernside	2014	0.03	0.04	0.02	4.90	6.34	8.35	0.00
3	No.1	2014	0.02	0.02	0.01	2.92	5.61	8.17	0.00
4	Maulside Lodge	2014	0.02	0.03	0.01	3.83	5.96	8.25	0.00
5	No.17	2014	0.03	0.04	0.02	5.01	6.38	8.36	0.00
6	No.18	2014	0.03	0.04	0.02	4.90	6.34	8.35	0.00
7	No.22	2014	0.01	0.01	0.00	1.13	4.87	8.00	0.00
8	No.25	2014	0.00	0.00	0.00	0.15	4.38	7.91	0.00
9	No.27	2014	0.02	0.02	0.01	2.64	5.50	8.14	0.00
10	Dungoyle	2014	0.01	0.01	0.01	1.91	5.21	8.08	0.00

* See Footnote 32 in DMRB Volume 11 Chapter 3