

Alternative: Assuming Adoption of High Noise Corridor EPP Approach

ATTACHMENT 2B

WESTERLY WIND CONDITIONS MODELLING

National Meeting

(Proposed up to 3 days/year)

	La max	La1,15min	+75/80dba	Credits/day	La,eq,15min	+45/65dba	Credits/day	Total Credits
1. Majura Hall	94.4	93.6	13.6	1	77.5	12.5	2.5	3.5
2. End of Avonley St	91.9	91.1	11.1	1	75	10	2	3
3. Avonley	85.7	84.9	4.9	1	69.9	4.9	1	2
4. Cherryburn	82.4	81.6	1.6	1	65.7	0.7	1	2
5. Opposite Training Driver Centre	78.4	77.6	-2.4		60.5	-4.5		0
6. The Willows Baile	72.9	72.1	-7.9		54.5	-10.5		0
7. Hacket*	60.5	59.7	-15.3		42.4	-2.6		0
8. Watson*	63.6	62.8	-12.2		45.2	0.2		0
9. Majura, Weber	83.2	82.4	2.4	1	67	2	0.5	1.5
10. Van Gelder	81.1	80.3	0.3	1	63.4	-1.6		1
11. Van Gelder	80.3	79.5	-0.5		63.5	-1.5		0
12. Southwell	74.9	74.1	-5.9		58.6	-6.4		0
13. Dove Cottage	69.8	69	-11		54	-11		0
14. Airport	62.7	61.9	-18.1		48	-17		0
15. Malcolm Vale	84.9	84.1	4.1	1	67.9	2.9	1	2
16. 1.9km east of Runway	84.1	83.3	3.3	1	66.3	1.3	0.5	1.5
17. Keir	93.6	92.8	12.8	1	74.8	9.8	2	3
18. Campbell*	71.5	70.7	-4.3		55.5	10.5	2.5	2.5

WESTERLY WIND CONDITIONS MODELLING

Regional Meeting

(Proposed 10 days/yr (= Four 1 day, Three 2 day))

	La max	La1,15min	+75/80dba	Credits/day	La,eq,15min	+45/65dba	Credits/day	Total Credits
1. Majura Hall	82.3	82.3	2.3	1	68.4	3.4	1	2
2. End of Avonley St	79.9	79.9	-0.1		65.9	0.9	0.5	0.5
3. Avonley	76.4	76.4	-3.6		64	-1		0
4. Cherryburn	72	72	-8		62.5	-2.5		0
5. Opposite Training Driver Centre	64	64	-16		50.7	-14.3		0
6. The Willows Baile	52.3	52.3	-27.7		38.4	-26.6		0
7. Hacket*	43.3	43.3	-31.7		29.6	-15.4		0
8. Watson*	43.3	43.3	-31.7		28.6	-16.4		0
9. Majura, Weber	75.1	75.1	-4.9		59.2	-5.8		0
10. Van Gelder	72.1	72.1	-7.9		57.3	-7.7		0

11. Van Gelder	71.9	71.9	-8.1		57	-8		0
12. Southwell	66	66	-14		52	-13		0
13. Dove Cottage	60.8	60.8	-19.2		47.5	-17.5		0
14. Airport	47	47	-33		44.4	-20.6		0
15. Malcolm Vale	70.5	70.5	-9.5		61.9	-3.1		0
16. 1.9km east of Runway	69.5	69.5	-10.5		58.1	-6.9		0
17. Keir	86.3	86.3	6.3	1	68.3	3.3	1	2
18. Campbell*	57.6	57.6	-17.4		50	5	1	1

WESTERLY WIND CONDITIONS MODELLING

	La max	La1,15min	Local Meeting		(Proposed 26 Days/year)		Total	
			+75/80dba	Credits/day	La,eq,15min	+45/65dba	Credits/day	Credits
1. Majura Hall	77.3	77.3	-2.7		69.4	4.4	1	1
2. End of Avonley St	74.1	74.1	-5.9		66.3	1.3	0.5	0.5
3. Avonley	70.1	70.1	-9.9		63.9	-1.1		0
4. Cherryburn	68.3	68.3	-11.7		62.9	-2.1		0
5. Opposite Training Driver Centre	61.1	61.1	-18.9		52.9	-12.1		0
6. The Willows Baile	46.8	46.8	-33.2		38.8	-26.2		0
7. Hacket*	38.6	38.6	-36.4		30.6	-14.4		0
8. Watson*	37.7	37.7	-37.3		29	-16		0
9. Majura, Weber	67.5	67.5	-12.5		59.2	-5.8		0
10. Van Gelder	65.3	65.3	-14.7		57.2	-7.8		0
11. Van Gelder	64.4	64.4	-15.6		56.7	-8.3		0
12. Southwell	58.3	58.3	-21.7		52	-13		0
13. Dove Cottage	53.8	53.8	-26.2		47.6	-17.4		0
14. Airport	41.5	41.5	-38.5		44.5	-20.5		0
15. Malcolm Vale	67.9	67.9	-12.1		62.9	-2.1		0
16. 1.9km east of Runway	67	67	-13		59.5	-5.5		0
17. Keir	78.4	78.4	-1.6		67.4	2.4	0.5	0.5
18. Campbell*	54.5	54.5	-20.5		50.4	5.4	1	1

NOTES: * denotes Residential (Zone G) - 45dba standard
 Residential - Maximum allowable La,eq, 15min = 65dba
BOLD denotes maximum limit projected to be exceeded

Other Areas assume "High Noise Corridor" (Zone A) - 65dba standard, Max 75dba
 Credit Scale - 0.5 credit for up to each 2.5dba over zone standard