

ERRATA to Proof of Evidence of Nicholas Williams on Noise

1. Appendix 6A to the Environmental Statement Addendum (**ESA**) (CD2.20.4) presented the change in noise levels for night-time air noise. Four scenarios were presented, as follows:
 - 1.1.1 2017 compared to at 2024 (10 mppa);
 - 1.1.2 2017 compared to 2030 (12 mppa);
 - 1.1.3 2024 (10 mppa) compared to 2030 (12 mppa); and
 - 1.1.4 2030 (10 mppa) compared to 2030 (12 mppa).
2. An error has just been found in the presentation of the results relating to the first three of these scenarios. This error derives from the post-processing summarising of the results and not from the noise modelling itself. The day-time air noise results are unaffected.
3. The tables in the ESA that contain the affected results are Tables 6A.57, 6A.59 and 6A.61. Table 10 in the Proof of Evidence of Mr Williams (BAL/W2/2), which reproduced the changes in noise levels from the ESA, also requires correction. This Errata sets out the corrected tables.
4. With regards to the text in the ESA and ESA Appendix, no consequential changes are required. None of the conclusions reached in either the ESA or the Proof of Evidence of Mr Williams are affected by these corrections. All results show changes in noise levels under 2 dB(A). This level of change is classed as 'negligible' by the ESA. The number of people at or above the LOAEL and the number of people at or above the SOAEL is not affected.
5. The numbers that have been corrected are shown in red.

Proof of Evidence of Mr Williams**Updated Table 10**

Change in Noise Level	45 dB L _{Aeq,8h} (LOAEL) to 55 dB L _{Aeq,8h} (SOAEL)		Above 55 dB L _{Aeq,8h} (SOAEL)	
	Beneficial	Adverse	Beneficial	Adverse
ESA – 10 mppa (2024) to 12 mppa (2030)				
0 – 1 dB	20	3750	0	250
1 – 2 dB	0	2	0	0
2 – 3 dB	0	0	0	0
3 – 6 dB	0	0	0	0
6 – 9 dB	0	0	0	0
>9 dB	0	0	0	0
ESA – 10 mppa (2030) to 12 mppa (2030)				
0 – 1 dB	0	2350	0	200

Change in Noise Level	45 dB $L_{Aeq,8h}$ (LOAEL) to 55 dB $L_{Aeq,8h}$ (SOAEL)		Above 55 dB $L_{Aeq,8h}$ (SOAEL)	
	Beneficial	Adverse	Beneficial	Adverse
1 – 2 dB	0	1450	0	40
2 – 3 dB	0	0	0	0
3 – 6 dB	0	0	0	0
6 – 9 dB	0	0	0	0
>9 dB	0	0	0	0

6. References to “1 dB” being the maximum change that is contained in the text of paragraphs 4.7.2, 4.7.3, 4.2.88, 5.2.9 and 5.5.4 of Mr Williams’ Proof of Evidence should be corrected to read “2 dB”. The conclusion reached is otherwise unchanged.

ESA

Corrected ESA Table 6A.57 Dwellings exposed to absolute noise and change in noise, 2017 to 10 mppa 2024, night-time

Subjective description of impact	Contour band, dB L _{Aeq,8h}	Number of dwellings in band, 10 mppa 2024	Beneficial ¹ or adverse change	Change in Noise Level, dB Potential Impact Classification				
				Negligible	Minor	Moderate	Substantial	Very Substantial
				0 – 2 dB	2 – 3 dB	3 – 6 dB	6 – 9 dB	>9 dB
Negligible	45 (LOAEL)	550	Beneficial	550	0	0	0	0
		1900	Adverse	1900	0	0	0	0
Very minor	48	200	Beneficial	200	0	0	0	0
		600	Adverse	600	0	0	0	0
Minor	51	50	Beneficial	50	0	0	0	0
		300	Adverse	300	0	0	0	0
Minor/ Moderate	54	40	Beneficial	40	0	0	0	0
		50	Adverse	50	0	0	0	0
Moderate	55 (SOAEL)	40	Beneficial	40	0	0	0	0
		150	Adverse	150	0	0	0	0
Substantial	60	1	Beneficial	1	0	0	0	0
		0	Adverse	0	0	0	0	0
Very Substantial	63 (UAEL)	0	Beneficial	0	0	0	0	0
		0	Adverse	0	0	0	0	0
Total		850	Beneficial	850	0	0	0	0
		2950	Adverse	2950	0	0	0	0

1. "Beneficial" rows include a small number of dwellings with zero change.

Corrected ESA Table 6A.59
mmpa 2030, night-time

Dwellings exposed to absolute noise and change in noise, 2017 to 12

Subjective description of impact	Contour band dB L _{Aeq,8h}	Number of dwellings in band, 12 mppa 2030	Beneficial ¹ or adverse change	Change in Noise Level, dB Potential Impact Classification				
				Negligible	Minor	Moderate	Substantial	Very Substantial
				0 – 2 dB	2 – 3 dB	3 – 6 dB	6 – 9 dB	>9 dB
Negligible	45 (LOAEL)	20	Beneficial	20	0	0	0	0
		2200	Adverse	2200	0	0	0	0
Very minor	48	9	Beneficial	9	0	0	0	0
		1100	Adverse	1100	0	0	0	0
Minor	51	0	Beneficial	0	0	0	0	0
		400	Adverse	400	0	0	0	0
Minor/ Moderate	54	0	Beneficial	0	0	0	0	0
		90	Adverse	90	0	0	0	0
Moderate	55 (SOAEL)	0	Beneficial	0	0	0	0	0
		250	Adverse	250	0	0	0	0
Substantial	60	0	Beneficial	0	0	0	0	0
		0	Adverse	0	0	0	0	0
Very Substantial	63 (UAEL)	0	Beneficial	0	0	0	0	0
		1	Adverse	1	0	0	0	0
Total		30	Beneficial	30	0	0	0	0
		4000	Adverse	4000	0	0	0	0

1. "Beneficial" rows include a small number of dwellings with zero change.

Corrected ESA Table 6A.61 Dwellings exposed to absolute noise and change in noise, 10 mppa 2024 to 12 mppa 2030, night-time

Subjective description of impact	Contour band dB L _{Aeq,8h}	Number of dwellings in band, 12 mppa 2030	Beneficial or adverse change	Change in Noise Level, dB Potential Impact Classification				
				Negligible	Minor	Moderate	Substantial	Very Substantial
				0 – 2 dB	2 – 3 dB	3 – 6 dB	6 – 9 dB	>9 dB
Negligible	45 (LOAEL)	0	Beneficial	0	0	0	0	0
		2200	Adverse	2200	0	0	0	0
Very minor	48	0	Beneficial	0	0	0	0	0
		1100	Adverse	1100	0	0	0	0
Minor	51	0	Beneficial	0	0	0	0	0
		400	Adverse	400	0	0	0	0
Minor/ Moderate	54	0	Beneficial	0	0	0	0	0
		90	Adverse	90	0	0	0	0
Moderate	55 (SOAEL)	0	Beneficial	0	0	0	0	0
		250	Adverse	250	0	0	0	0
Substantial	60	0	Beneficial	0	0	0	0	0
		0	Adverse	0	0	0	0	0
Very Substantial	63 (UAEL)	0	Beneficial	0	0	0	0	0
		1	Adverse	1	0	0	0	0
Total		0	Beneficial	0	0	0	0	0
		4000	Adverse	4000	0	0	0	0

Nicholas Williams

Bickerdike Allen Partners on behalf of Bristol Airport Limited

4 August 2021