

## Appendix 9.3 Construction Noise Assessment

Table A9.3.1: BS 5228 ABC Assessment Thresholds

Assessment category and threshold value period (L <sub>Aeq</sub> )	Ambient noise level (dB(A))	Threshold value, in decibels (dB)		
		Category A	Category B	Category C
<b>Daytime</b>	0700 - 1900 weekdays	65	70	75
	0700 - 1300 Saturdays			
<b>Evening</b>	1900 - 2300 weekdays	55	60	65
	1300 - 2300 Saturdays			
	0700 - 2300 Sundays			
<b>Night</b>	2300 - 0700	45	50	55

NOTE 1 A significant effect has been deemed to occur if the total L<sub>Aeq</sub> noise level, including construction, exceeds the threshold level for the Category appropriate to the ambient noise level.

NOTE 2 If the ambient noise level exceeds the threshold values given in the table (i.e. the ambient noise level is higher than the above values), then a significant effect is deemed to occur if the total L<sub>Aeq</sub> noise level for the period increases by more than 3 dB due to construction activity.

Table A9.3.2: Construction Noise Significance Criteria

		Construction Phase					
		Concreting	Haulage Lorry	Earth moving	Road Pavement	Dredging	Piling
NSR A	Ambient Noise Level (dB(A))	50	50	50	50	50	50
	Total Noise Level (dB(A))*	55	54	55	52	53	55
	Threshold (dB(A)**)	65	65	65	65	65	65
	Significance	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
NSR B	Ambient Noise Level (dB(A))	50	50	50	50	50	50
	Total Noise Level (dB(A))*	55	54	55	52	53	55
	Threshold (dB(A)**)	65	65	65	65	65	65
	Significance	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible
NSR C	Ambient Noise Level (dB(A))	50	50	50	50	50	50
	Total Noise Level (dB(A))*	58	55	57	54	55	57
	Threshold (dB(A)**)	65	65	65	65	65	65
	Significance	Negligible	Negligible	Negligible	Negligible	Negligible	Negligible

\* Ambient noise level + predicted construction noise

\*\* threshold values set by table above