

Appendix 12.3 Construction Noise Assessment

Table 12.1: BS 5228 ABC Assessment Thresholds

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

NOTE 1 A significant effect has been deemed to occur if the total LAeq 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 LAeq noise level for the period increases by more than 3 dB due to construction activity.

Table 12.2: Construction Noise Significance Criteria

		Construction Phase			
		Concreting	Haulage Lorry	Earth moving	Road Pavement
NSR A Charnwood Road / Filey Road	Ambient Noise Level (dB(A))	50	50	50	50
	Total Noise Level (dB(A))*	76	73	75	71
	Threshold (dB(A))**	65	65	65	65
	Significance	Substantial Adverse	Moderate Adverse	Substantial Adverse	Moderate Adverse
NSR B Orchard Street / Margaret Avenue	Ambient Noise Level (dB(A))	50	50	50	50
	Total Noise Level (dB(A))*	76	73	75	71
	Threshold (dB(A))**	65	65	65	65
	Significance	Substantial Adverse	Moderate Adverse	Substantial Adverse	Moderate Adverse
NSR C Glan Usk Primary School	Ambient Noise Level (dB(A))	50	50	50	50
	Total Noise Level (dB(A))*	80	77	79	74
	Threshold (dB(A))**	65	65	65	65
	Significance	Substantial Adverse	Substantial Adverse	Substantial Adverse	Moderate Adverse

* Ambient noise level + predicted construction noise

** threshold values set by table above