

Noise Readings

Taken in connection with planning application 22/00032/FUL, Joinery Workshop at Clay Dub Site, Duns Road Industrial Estate, Greenlaw, TD10 6XJ.

Method

A brand new (freshly calibrated) hand-held Cadrim decibel meter was used to take readings. The meter does not log readings, so was photographed live as readings were taken. Readings were taken at the entrance to the proposed site; and both within and outside the joiners' existing workshop at Eccles – with no equipment running and with all equipment running.



Background reading at site access, beside Border Embroidery unit. The range of readings was from 42 to 50 decibels.



The reading increases when traffic passes, 60 to 64 decibels.



Same with traffic going downhill.



Inside the current workshop at lunchtime ... all equipment, dust extraction and radio switched off. The range is 45 to 50 decibels. This seemingly high band is partly due to proximity to Olivers Transport.



Outside the workshop the readings are slightly higher, again due to proximity to Olivers Transport. The range was 45 to 50 decibels.



Inside the workshop with the radio and dust extraction switched on, a bandsaw, a circular saw and the planer/thicknesser running. This is equivalent to a full team working. The band is 85 to 90 decibels.

Note the planer/thicknesser is processing a piece of timber. This is the noisiest machine.



Same. The highest reading obtained was this one, 89.3 decibels.

A nail gun also produced 87 to 90 decibels, but only for a split second, which was too quick to photograph.



Outside the workshop while all the equipment was on and with the door shut, the range was 52 to 62 decibels.

The door is closed except during the morning and afternoon rush periods, loading or unloading, and on the hottest of days.



Olivers Yard, next door, produced 45 to 55 decibels while a lorry and a forklift were in use.



Out on the road – no influence from the woodworking machinery, only background sound.



This is despite poor insulation and sound insulation, and with a panel missing from the door.

Conclusion

The full complement of woodworking machinery plus dust extraction and radio is quite loud within the workshop but is barely detectable outside when the door is closed. Ten metres away, workshop noise is barely detectable above the background noise at Eccles. The proposed workshop will be better insulated, with better sound proofing, and its doors face away from the village, roads and habitation. Although the background noise level at the site is lower than that at Eccles, passing traffic is significantly louder. It is thought that the woodworking machinery will not be audible at Border Embroidery or at Clay Dub Cottage, and certainly will not be audible beyond. The most intrusive noise is of traffic passing along the A6105.
