

Table 5.XI-2. Estimated Noise in the Vicinity of an Active Construction Site

Distance to Receptor (feet)	Sound Level at Receptor (dBA)
50	85
100	79
200	73
500	64
600	62
800	60
1,000	57
1,500	53
2,000	50
2,500	47
3,000	44
4,000	40
5,280	36
7,500	29

Notes: The following assumptions were used:

Basic sound level drop-off rate:	6.0 dB per doubling of distance
Molecular absorption coefficient:	0.7 dB per 1,000 feet
Anomalous excess attenuation:	1.0 dB per 1,000 feet
Reference sound level:	85 dBA
Distance for reference sound level:	50 feet

This calculation does not include the effects, if any, of local shielding that may reduce sound levels further.