

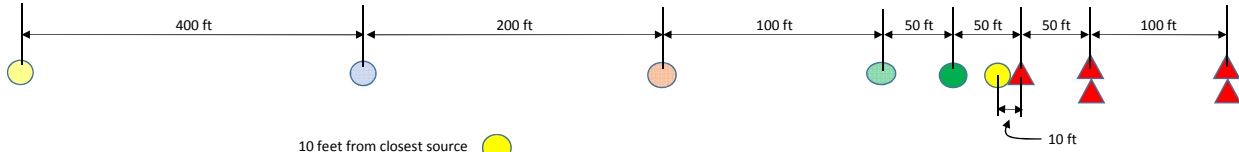
# Attachment G: Revised Table 3.12-5 Noise and Modeling Spreadsheet

**Table 3.12-5: Land-Based Construction Equipment Noise Levels at Various Distances**

Distance from Construction Activity (feet)	L <sub>eq</sub> Noise Level (dBA)
10	95
50	83
100	79
200	74
400	69
800	63
1,600	58
3,200	52
6,400	46

Notes:  
dBA = A-weighted decibels; L<sub>eq</sub> = equivalent sound pressure level  
See text narrative preceding this table for the parameters of this noise modeling scenario.

**Construction Noise Analysis**



10 feet from closest source

Lmax	Util	Util	Leq	Distance (ft)	Noise Level	Energy
85	0.4	-4.0	81.0	10.0	95.0	3162277660.2
85	0.4	-4.0	81.0	60.0	79.4	87841046.1
85	0.4	-4.0	81.0	60.0	79.4	87841046.1
85	0.4	-4.0	81.0	160.0	70.9	12352647.1
85	0.4	-4.0	81.0	160.0	70.9	12352647.1
95.3						

50 feet from closest source

Lmax	Util	Util	Leq	Distance (ft)	Noise Level	Energy
85	0.4	-4.0	81.0	50.0	81.0	126491106.4
85	0.4	-4.0	81.0	100.0	75.0	31622776.6
85	0.4	-4.0	81.0	100.0	75.0	31622776.6
85	0.4	-4.0	81.0	200.0	69.0	7905694.2
85	0.4	-4.0	81.0	200.0	69.0	7905694.2
83.1						

100 feet from closest source

Lmax	Util	Util	Leq	Distance (ft)	Noise Level	Energy
85	0.4	-4.0	81.0	100.0	75.0	31622776.6
85	0.4	-4.0	81.0	150.0	71.5	14054567.4
85	0.4	-4.0	81.0	150.0	71.5	14054567.4
85	0.4	-4.0	81.0	250.0	67.0	5059644.3
85	0.4	-4.0	81.0	250.0	67.0	5059644.3
78.4						

200 feet from closest source

Lmax	Util	Util	Leq	Distance (ft)	Noise Level	Energy
85	0.4	-4.0	81.0	200.0	69.0	7905694.2
85	0.4	-4.0	81.0	250.0	67.0	5059644.3
85	0.4	-4.0	81.0	250.0	67.0	5059644.3
85	0.4	-4.0	81.0	350.0	64.1	2581451.2
85	0.4	-4.0	81.0	350.0	64.1	2581451.2
73.7						

400 feet from closest source

Lmax	Util	Util	Leq	Distance (ft)	Noise Level	Energy
85	0.4	-4.0	81.0	400.0	63.0	1976423.5
85	0.4	-4.0	81.0	450.0	61.9	1561618.6
85	0.4	-4.0	81.0	450.0	61.9	1561618.6
85	0.4	-4.0	81.0	550.0	60.2	1045381.0
85	0.4	-4.0	81.0	550.0	60.2	1045381.0
68.6						

800 feet from closest source

Lmax	Util	Util	Leq	Distance (ft)	Noise Level	Energy
85	0.4	-4.0	81.0	800.0	56.9	494105.9
85	0.4	-4.0	81.0	850.0	56.4	437685.5
85	0.4	-4.0	81.0	850.0	56.4	437685.5
85	0.4	-4.0	81.0	950.0	55.4	350390.9
85	0.4	-4.0	81.0	950.0	55.4	350390.9
63.2						