



Errata for *The Noise Manual*, 5th Edition, First Printing

Chapter	Page #	Location	Original Text	Correct Text
-	iv		ISBN 0-932628-02-9	ISBN 0-931504-02-4
	vi	Alice Suter information	asuter@cdsn.net	ahsuter@charter.net
3	72	Equation 3.8	$L_{A8hn} = 10 \log \left[\frac{T}{8} \int_0^T 10^{L_A(t)/10} dt \right] = L_{Aeq,T} + 10 \log \left(\frac{T}{8} \right)$	$L_{A8hn} = 10 \log \left[\frac{1}{8} \int_0^T 10^{L_A(t)/10} dt \right] = L_{Aeq,T} + 10 \log \left(\frac{T}{8} \right)$
3	74	Equation 3.14	$TWA = 16.61 \log \left[\frac{T}{8} \int_0^T 10^{L_{AS}(t)/16.61} dt \right]$	$TWA = 16.61 \log \left[\frac{1}{8} \int_0^T 10^{L_{AS}(t)/16.61} dt \right] = L_{OSHA} + 16.61 \log \left(\frac{T}{8} \right)$
7	228	Observed Frequency Counts	Class 1 (less than 85.74): 5 observations Class 2 (85.75 to 87.24): 6 observations Class 3 (87.25 to 88.38): 4 observations Class 4 (88.39 to 89.45): 6 observations	Class 1 (less than 85.75): 5 observations Class 2 (85.76 to 87.23): 6 observations Class 3 (87.24 to 88.39): 4 observations Class 4 (88.40 to 89.45): 6 observations
7	234	Bottom of page	P= .6393 - .0869 0.5524	P= .6393 - .0869 0.5424
7	235	Top of Page	"Therefore 55.2% of the employee..."	"Therefore 54.2% of the employee..."
7	240	Row following equation 7.5	TWA=16.61 log[D(%)/100(%)]+90, dBA	L _{A8hn} =16.61 log[D(%)/100(%)]+90, dBA

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9	299	McGill AirPressure Corp.	n/a	Sound Absorptive Materials: 2, 5-7 Sound Absorptive Systems: 3-5 Sound Barrier Materials: 1-2 Sound Barrier Systems: 1-8 Composite Materials: 1-2 Composite Systems: 1-6 Vibration Damping Materials: 5 Silencers: 3,5,7,9,11
9	321	Figure 9.21 (Lower right hand figure)	Deflection (Hz)	Deflection (in)
9	328	Table 9.8- (under Engine Exhaust Silencers)	Low Speed <350 fpm	Low Speed <350 rpm
9	360	Line 5	"To maximize the potential noise reduction,..."	"To maximize the potential insertion loss,..."
9	Same as Above	Line 13	"...can be used to estimate the noise reduction of..."	"...can be used to estimate the insertion loss of..."
9	Same as Above	Line 16	"From the chart, the noise reduction at each frequency..."	"From the chart, the insertion loss at each frequency..."
9	361	Figure 9.46 (y-axis label)	Noise Reduction (dB)	Insertion Loss (dB)
9	Same as Above	Figure 9.46 (Title)	Figure 9.46-Noise Reduction of a partial barrier.	Figure 9.46-Insertion Loss of a partial barrier.

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9	Same as Above	Table 9.13 (Title)	Noise Reduction through the use of a partial barrier.	Insertion Loss through the use of a partial barrier.
9	Same as Above	Table 9.13 (Line 6)	Noise Reduction (dB)	Insertion Loss (dB)
9	Same as Above	Third Line of Text	"For all practical purposes, diffraction effects will limit the maximum IL (or NR)..."	"For all practical purposes, diffraction effects will limit the maximum IL..."
10	425	Figure 10.21 (y-axis label)	26	25
11	486	Figure 11.11	n/a	In the columns for 1000 Hz and 1250 Hz, there are too many dots shown. There should be 8 dots instead of 10, uniformly spaced vertically.
14	580	Table 14.3 (Row 1) Octave-Band Level (dB)	54.4	54.7
14	587	Table 14.6 (title)	Mean speech levels for male and female speakers in quiet	Mean speech levels for male and female speakers in quiet (at 1 m)
14	592	Table 14.7 (Case 1, Step 6)	(Last number in the column) 9.777	0.9777
14	Same as Above	Case 2, Step 2	(Fourth number in the N _i column) 178.62	17.62
14	593	G _i	25.7 38.8 42.2 38.8 41.6 42.7	-25.7 -38.8 -42.2 -38.8 -41.6 -42.7

Chapter	Page #	Location	Original Text	Correct Text
15	604	First full paragraph, 1st Sentence	"A long-term average sound level over a 24-hour period can be used to describe the acoustical climate of a community."	"A long-term average sound level over a 24-hour period can be used to describe community noise."
15	Same as Above	First full paragraph, 2nd sentence	"...between 10:00 p.m. and 7:00 a.m. before the average is calculated."	"...between 10 p.m. and 7 a.m. (Equation 15.1a)."
15	Same as Above	First full paragraph, Line 7	"As with any average, communities with..."	"Communities with..."
15	Same as Above	First full paragraph, last line	"...at least 200 people per km ² is related to the population density by (EPA, 1974):"	"...at least 200 people per km ² can be estimated using Equation 15.1b (EPA, 1974)."
15	Same as Above	New equation to add	n/a, but should be added and called 15.1a	$L_{dn} = 10 \log 1/24 [15 \bullet 10^{(L_d/10)} + 9 \bullet 10^{(L_n + 10)/10}]$ dBA (15.1a)
15	Same as Above	Equation 15.1	n/a	Equation should be renumbered 15.1b
15	Same as Above	Following new 15.1a	n/a	Where, L _d is the equivalent-continuous sound level from 7 a.m. until 10 p.m., and L _n is the equivalent-continuous sound level from 10 p.m. until 7 a.m.
15	618	Step 8	"...yields A-weighted octave-band values of 47.3, 58.3, 56.9, 54.6, and 31.1 dBA, respectively."	"...yields A-weighted octave-band values of 45.3, 58.3, 56.9, 52.0, and 28.4 dBA, respectively."

Chapter	Page #	Location	Original Text	Correct Text
15	621	Table 15.4	n/a (column for 250 Hz data is missing)	(Add column) 0.04
15	628	7th Line (from bottom of page)	"The DNL existing in the community can be estimated from sound measurements or from Table 15.7 or from Equation 15.1."	"The DNL existing in the community can be estimated from sound measurements using Equation 15.1a, or from Table 15.7, or using Equation 15.1b."
15	630	Line 3 (in shaded box)	"Actual DNL for the two communities can be estimated to be 53 and 56 dBA using Equation 15.1."	"Actual DNL for the two communities can be estimated to be 53 and 56 dBA using Equation 15.1b."
16	650	Row 2 (under MSHA)	"Audiograms must be reviewed within 30 days and feedback provided in writing to each miner within 30 days thereafter."	"Audiograms must be reviewed within 30 days and feedback provided in writing to each miner within 10 days thereafter."
16	650	Row 5 (under MSHA)	"Notify worker within 10 days: unless STS is not work-related,..."	"Within 30 days of receiving evidence or confirmation of STS: unless STS is not work-related,..."