



WINNIPEG
Air Testing

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Assessment of Current Hearing Protection

The following table indicates the worker tested, the area the individual was working, their average noise exposure level in dBAs, their risk of noise induced hearing loss (NIHL), and any correction for hearing protection (Appendix A). A table like this included in a noise report.

Sampling Results of Worker Noise Exposure

Work Station	Noise Exposure (dBA)	Risk of NIHL Without Hearing Protection	Hearing Protection	Derated NRR Rating	Corrected Noise Exposure (dBA)	Risk of NIHL
LM Finishing - Angle Saw	98.6	52%	Max Lite Earplugs	8	90.6	31%
Radial Arm Saw	91.3	31%	H. L. Quiet Earplugs	6	85.3	15%
	93.5*	39%	H. L. Quiet Earplugs	6	87.5	23%
Window Press	90.7	31%	None	-	-	31%
Packaging	83.1	10%	Max Lite Earplugs	8	75.1	<3%
Finishing - Heat Duct	85.5	18%	Optime 98 Earmuffs	12.5	73.0	<3%
- Twin Saw	99.6	47%	Earmuffs + earplugs	12.5 + 5	82.1	8%
Cutting	90.4	29%	H. L. Quiet Earplugs	6	84.4	13%
	82.5	10%	H. L. Quiet Earplugs	6	76.5	<3%
Drilling	95.2	42%	H. L. Quiet Earplugs	6	89.2	26%
Orma Machine	83.1	10%	Max Lite Earplugs	8	77.1	<3%

*Worker wore badge home during testing. Non-workplace noise not included in calculating the worker's noise exposure.

Risk of Noise Induced Hearing Loss – Colour Coding Criteria

<5%	Low, background level of NIHL
5-10%	Slightly elevated risk of NIHL
>10%	Elevated risk of NIHL, additional controls recommended