



**WINNIPEG**  
**Air Testing**

**Practical Health and Safety Solutions**

5 Donwood Drive, Winnipeg, MB R2G 0V9  
Phone (204) 668-3141  
Email: [contact@winnipegairtesting.com](mailto:contact@winnipegairtesting.com)

**Worker Noise Monitoring**



Worker noise monitoring is performed by placing a small noise dosimeter on the worker’s shoulder. There are no wires or boxes – just a small cone that is worn. The dosimeter records the worker’s noise exposure over the course of the day. It doesn’t record the words – only the sound levels in decibels. At the end of the day, the dosimeter is retrieved and the data is downloaded.

The results give you the average noise exposure. This value is then corrected for any hearing protection. The results are presented not only in decibels but expressed as a percent risk of Noise-Induced Hearing Loss – both before and after correcting for hearing protection. Expressing the results like this makes a much better impact on workers. An example is shown below.

Station	Saw Operator	Caster	Machine Shop
Noise Exposure	90.3 dBA	87.8 dBA	95.8 dBA
Risk of Noise Induced Hearing Loss (NIHL)	29%	23%	44%
Hearing Protection	Laser Lites	Laser Lites	Laser Lites
NRR Rating	32	32	32
Corrected Noise Exposure	81.3 dBA	78.8 dBA	86.8 dBA
Risk of NIHL	6%	0%	20%