



Department of Occupational
Safety & Health

PELAN STRATEGIK PENGUATKUASAAN PERATURAN PENDEDAHAN BISING

N.A.A.P
NOISE
AWARENESS
PROMOTION
&
PUBLICATION

FUNDAMENTALS OF NOISE EXPOSURE

Noise	Described as an unpleasant sound that the listener does not want to hear . It is also known as
Occupational Hearing Loss	Defines a hearing impairment in one or both ears , partially or completely, that results from one's employment . It includes acoustic trauma as well as noise-induced hearing loss .

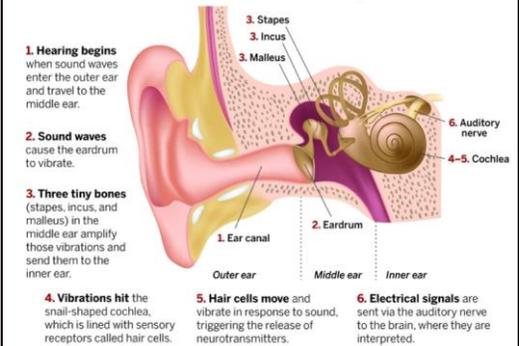
LEGISLATION

Permissible Exposure Limit (PEL), FMA, Reg. 5 & 6 (Noise Exposure) 1989

1. No employee shall be exposed to noise level exceeding equivalent continuous sound level of **90 dB (A)** or exceeding the limits specified in the **First Schedule** or exceeding the **daily noise dose of unity**.
2. No employee shall be exposed to noise level exceeding **115 dB (A)** at any time.
3. No employee shall be exposed to **impulsive noise** exceeding a peak sound pressure level of **140 dB**.

HEARING MECHANISMS

How We Hear



IS YOUR WORK AREA NOISY?



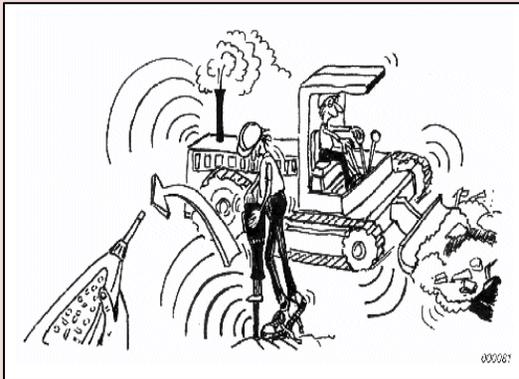
Stand at arm's length from co-worker. If you cannot speak in normal tone and must **SHOUT to communicate, then the level is too high and should be reduced**

WHEN IS WORKPLACE NOISE IS DANGEROUS

There's only one way to know. Have the noise evaluated by registered noise competent person to conduct a **noise monitoring**. There are two basic types:

- **Area monitoring.**

Use a sound-level meter to identify areas in the workplace that may put workers' hearing at risk.

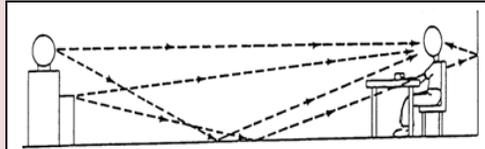


- **Personal monitoring.**

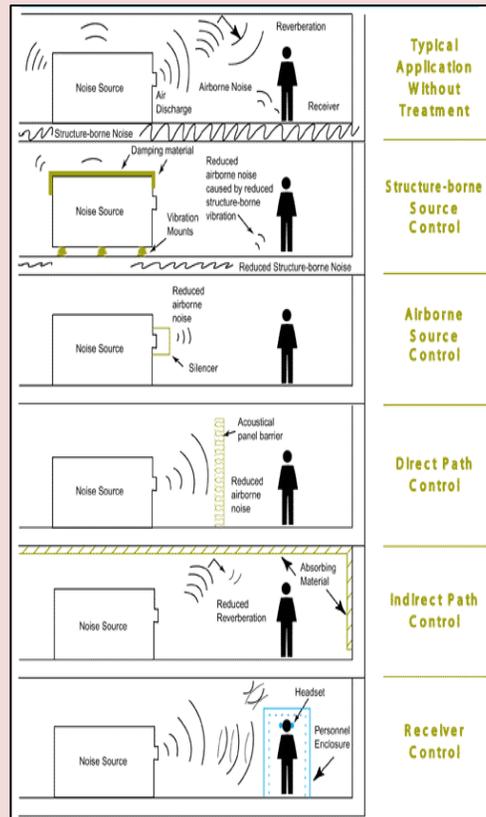
Use a dosimeter to estimate an individual's daily noise dose exposure.



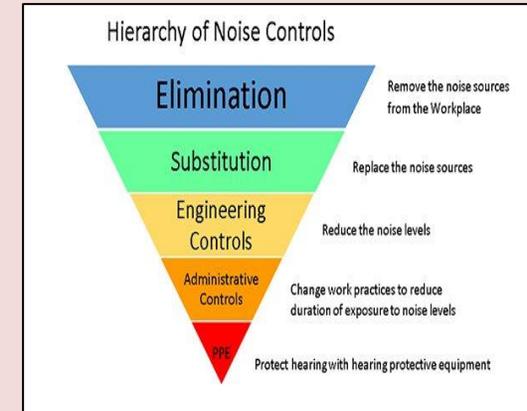
METHOD OF NOISE CONTROL



Source	Path	Receiver
<ul style="list-style-type: none"> • Modify • Redesign • Relocate 	<ul style="list-style-type: none"> • Enclosure • Absorption • Barrier 	<ul style="list-style-type: none"> • Enclosure • Absorption • Relocate • Hearing Protection Devices



HEIRARCHY OF CONTROL



AUDIOMETRIC TESTING

Audiometric is

- Conducted to determine worker's threshold of audibility or worker's hearing ability
- Employer shall appoint approved audiometric testing

Contact Us :

Industrial Hygiene & Ergonomic Division,

Department of Occupational Safety and Health Malaysia, Ministry of Human Resources,

Level 4, Block D4, Parcel D, Federal Government Administrative Centre, 62530 Putrajaya.

Tel : 03-88865000

Fax : 03-88892443

Email : jkkp@mohr.gov.my

Web : www.dosh.gov.my