NOISE PREVENTION

The purpose of this presentation is to provide training for personnel on the management of noise in the workplace.





WHAT IS A HAZARDOUS NOISE

A hazardous noise in relation to hearing means noise that exceeds the exposure standard noise in the workplace.

- long to or time cer full amage you and painlessly that you subscribe deterioration from Excessive exposure of ho levels over a hea ng.
- This may ma to th
- Haza noise in the workplace presents a real risk

LEGISLATION What the law says

Noise exposure at the worker exceed the exposure That means that ris with noise m

AVERAGE DECIBELS (dB)

TEMPORARY EFFECTS

The temporary effects from excessive no exposure are:

SUBSCRIBE NOW AND GET FULL ACCESS ITS; Ringing, buzzing, or ro and/or muffled he

HUMMINE ROARING BUZZING

WHAT ARE THE PERMANENT EFFECTS FROM EXCESSIVE TOLSE?

- Constant ringing in the ears (ti
- John the Tri Trouble hearing highered phone ringing,
- Spe ch c nsonan hard to h
- orn the TV or radio up to hear it You clea

NOISE EFFECTS



The outer e funnels sour along the ear cana alone eardrum.

When sound waves strike the eardrum, the ossicles conduct the vibrations to the cochlea in the inner ear.

Hair cells within the inner ear respond to vibrations by generating nerve impulses. The brain

HAIR CELL DAMAGE

If the hair cells deep down inside the eastecome damaged, they do not heal.



HOW MUCH NOISE?

Tests have indicated that a daily noise dosest an 8hour working day is 85 decibels or 85 d

For every addition of three (3) methat you are exposed unproted



NOISE LEVELS & TIME EXPOSURES

Equivalent Noise Exposures LAeq,8h = 85 db(A)	
Noise Level dB(A)	Exposure Time (Unpro ed)
80	1 urs
82	2 rs
85	h
88	4 ho GESS
91	2 hours ACCE
94	EULL
	2 hour ACCESS 2 hour ACCESS 2 hour ACCESS 2 minutes 7.5 minutes 3.8 minutes 1.9 minutes 57 seconds 28.8 seconds
100	minutes
	7.5 minutes
SIBE	3.8 minutes
109 IRSCRID	1.9 minutes
1 SUBS	57 seconds
11	28.8 seconds
118	14.4 seconds
121	7.2 seconds
124	3.6 seconds
107	1.0.000nds

NOISE LEVELS

190 AB(A)

- Conversation
- Old Lawn Mower
- Belt Sander
- Angle Grinder
- Warker lack
- Qu ck C
- Ro
- Cho
- Shot

Some Comm 60 dB(A) SUBSCRIBE NOW AND GET FULL ACCESS
SUBSCRIBE NOW AND GET FULL ACCESS Heari 112 dB(A) 85 db **Normal Conversation** 160 dB(A) 60 db

Clothes Dryer

bel Levels

shot. Fireworks

iPod at Peak Volume

Baby Crying

Rock Concert

Busy City Traffic

Vacuum Cleaner

Raindrop

40 db

Helicopter

rplane takeoff - 25 Meters

ASSESSING NOISE

Noise assessments in the workplace should carried out if you need to raise your voice neone SUBSCRIBE NOW AND GET FULL ACCES. approximately one metre awa Noise assessments workplace.

NOISE CONTROLS

If noise is a hazard at the workplace!

- Identify if noise is excessive or
- Consult with workers.
- SUBSCRIBE NOW AND GET FULL ACCE. Assess the risks ex us re.
- evelop
- cers with training and information about • Pr noi
- If warranted, provide audiometric testing for workers.

HEARING PROTECTION

Hearing protectors can be very effectime but fit properly and are worn and care

vo c eren ec piect sull Access an selected.

yo c eren sof AND GET FULL Access an selected.

gs subscribe NoW AND GET FULL Access an selected. A significant noise reduction achieved if the corre

There wo d



HOW TO FIT EAR PLUGS

- Slowly roll and compress the foam plug intervery thin cylinder.
- While compressed, insert the
- er if you read a continue of the backers of archan was read aring a function.

 It subscribes from dirt, and material that Fitting is easier if you read the ear outward an

Keep can irr ır canal.

plugs after use if they harden or do not re-Discard

HOW TO FIT EARMUFFS

- Muffs must fully enclose the ears to seal against the head.
- bot a pull om by GET FULL ACCESS en wear on AND under the cushions.

 SUBSCRIBE NON AND under the cushions. Adjust the headband, so the pressure around the ears
- Pull the hair based a
- Dor t store pe

WHAT ARE MY OBLIGATIONS?

- Follow the instructions given to prote the risks associated with noise exposure.
- Use hearing prote
- SUBSCRIBE NOW AND GET FULL ACCESS

 SUBSCRIBE NOW AND GET FULL ACCESS

 GOOD

 GO Maintain ye canditio
- SAFETY FIRST WO

Hearing

protection

IN SUMMARY



PROTECT YOUR HEARING OR END UP DEAF!