

FOOD & BEVERAGE INDUSTRY NOISE

TIPS TO PROTECT WORKERS AGAINST AMERICA'S #1 WORK PLACE DISEASE: HEARING LOSS

HAZARDOUS NOISE IS PERVASIVE IN THE



FOOD & BEVERAGE MANUFACTURING INDUSTRY



1.64M+ # of workers in U.S. food

Hearing loss rates are almost twice

and beverage manufacturing²

as high in food production as manufacturing overall³

Food manufacturing workers experience the third-highest rate of occupational hearing loss

33.8 incidents Primary Metal Manufacturing

24.7 incidents Air Transportation

22.9 incidents Food Manufacturing

*Per 10,000 full-time workers4

HEARING LOSS RATES/ 10,000 FULL-TIME EMPLOYEES[®]



MANUFACTURING FROZEN FRUIT,

JUICE, VEGETABLE

BREAKFAST CEREAL

PRODUCTION

SUGAR



ANIMAL SLAUGHTER (EXCLUDING POULTRY)





Packaging conveyance Bottle filling, labeling

COMMON SOURCES OF HAZARDOUS NOISE:

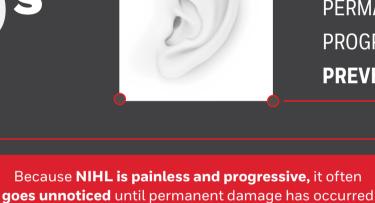
- **Bread slicing**
- Product impact on hoppers
- wrapping, cutting, bagging Canning
- Bowl choppers
- Pneumatic noise, compressed air
- Milling operations
 - Blast-chillers



in NOISE-INDUCED HEARING LOSS (NIHL) NIHL IS THE MOST COMMON OCCUPATIONAL DISEASE IN THE U.S.

Unprotected exposure to hazardous noise results





PROGRESSIVE PREVENTABLE

PAINLESS

PERMANENT

• Prolonged and/or repeated exposure to hazardous noise • Impairs communication with family, public, coworkers • A single high-intensity impulse noise exposure • Leads to social isolation, withdrawal • Reduces quality of life

Diminishes ability to monitor work environment · Reduces productivity

NIHL hurts workers:

- · Increases accident risk · Incurs lifelong expenses for hearing aids
- Increases risk of high blood pressure,
- high cholesterol, heart disease⁶
- 242 million Annual penalties for not

• Temporary hearing loss • Permanent hearing loss

Effects of NIHL:

NIHL is caused by:

- Unrelenting tinnitus (ringing in the ears)
- **100%**

properly protecting workers⁷



Occupational hearing loss is entirely preventable with today's

for hearing loss disability

Annual spent in workers' comp

OSHA 29 CFR 1910.95 requires employers to reduce excessive noise via feasible controls of suitable hearing protectors Refer to OSHA 29 CFR 1910.95 for complete details

Contamination can lead to:

Costly downtime

· Material waste

Here's how:

PREVENTABLE

When controls cannot reduce noise to permissible levels, OSHA requires employers to provide a variety

of Foreign Materials (FM):

solutions to promote hygiene

FM contamination

· Choose corded earplugs to reduce risk of

Protecting Food & Beverage workers' hearing is vital

OSHA recognizes the dangers of occupational noise exposure

- Offer various types of hearing protectors so workers can select a personally comfortable, effective solution Offer various sizes of earplugs to fit each individual's unique ear canal size, shape Educate your workforce - so everyone knows the importance and proper use of hearing protection
- Avoid costly contamination and ensure quick detection Protecting your process material is vital, too.

Conduct earplug fit-testing -- to ensure workers learn how to properly fit earplugs for complete protection

• Select earplugs with machine-detectable features Product recall compatible with your process Damaged corporate reputation Consumer injury, illness or death • Opt for hypoallergenic, washable, nonporous

Lawsuit

- LUTION
- - Metal Detectable Disposable Earplugs
 - Metal Detectable Reusable Earplugs • Ideal for full-time employees to reuse

over the course of 2-4 weeks

unacceptable

• For use where contamination by FM is



Visually-Detectable Corded Earplugs • Features contrasting colors for visual

- detection • Disposable solution is an economic
- choice for users • For use anywhere visual and optimal
- Metal makes it easy for detection and compliance checks
- technology is used to identify a FM

• Disposable solution intended

• An economical choice containing

primary method for locating and

• Ideal for use where metal detection is a

for single-use

embedded metal

rejecting a FM