Noise Control and Hearing Damage

Provided by Curt Speck, President Safety Resources Company of Ohio and SCSC Steering Committee Member

Permanent hearing loss is no joke, it can be caused by an instant exposure to a high level of noise like an explosion or gradually over time, unfortunately once permanent hearing loss occurs it cannot be reversed or cured. Hearing loss occurs when cilia, (tiny hair cells that line the inner ear) are damaged. At first, damage happens to the cilia that receive the higher frequencies. Gradually, noise damages more of the ear and affects how speech is heard. Muffled or distorted speech sounds maybe an indication of substantial hearing loss. Fortunately hearing damage can be prevented with controlled exposure and proper hearing protection.

How do I know if my tools and/or work area are too noisy? Noise control in the workplace/jobsite is extremely important as damage can occur at noise levels equal to a running lawn mower over an eight-hour period. This level of noise may cause a temporary loss of hearing but even repeated or periodic

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October 10, 2019

Importance of Vaccines in 2019

Susan Seifert RN,BC
Immunization Program Coordinator/Lead Case Manager
Stark County Health Department

October Spotlight Co.

The Stark County Board of Developmental Disabilities is in the business of building relationships with people served and their families, employees, providers of services, and the greater Stark community. By focusing on our mandated responsibilities of funding, planning and coordinating services, we “support people with disabilities and their families” by way of education, advocacy, and cost effective budgeting, while keeping people healthy and safe.

330-477-5200
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Stark County Safety Council Mission Statement: To provide a forum for safety and health information, education and networking in Stark County, through leadership, innovation, facilitation, program, and support, in partnership with other public and private organizations.
exposure to high noise levels your hearing may become limited or not fully recover. Hearing loss can occur slowly over time from moderate levels of noise and you may not even realize it is happening until it is too late!! It is a painless, gradual process and a long-term hazard.

Sound intensity is measured in decibels –dBA. Decibels are measured on a logarithmic scale; this means that a small increase in decibels results in a huge change in the amount of noise and the potential damage to a person’s hearing. Example: If the level increases by 3 dBA this doubles the amount of noise and reduces the recommended exposure time by half.

OSHA recommends workplace noise levels be kept below 85dBA as an 8-hour time weighted average. Research indicates that your hearing can be damaged by regular 8-hour exposures to 85dBA. Repeated exposures as loud as 100dBA can damage your earing in as little as an hour a day. As the noise level increases the quicker it damages your hearing.

National Institute for Occupational Safety and Health (NIOSH) recommends worker exposures should be controlled below a level equivalent to 85 dBA for 8 hours to minimize occupational noise induced hearing loss. NIOSH found that significant noise induced hearing loss occurs at exposures equivalent to OSHA Permissible Exposure Limits. NIOSH also recommends a 3dBA exchange rate so that every 3dBA increase represents a doubled noise amount and reduces the recommended exposure times.

**Equipment used for measuring noise**: Sound Level Meter and Noise Dosimeter.

A **Sound Level Meter** measures sound/noise levels by using a microphone is positioned at ear level of the user. Equipment that is determined to be loud can be labeled with a hazardous noise sticker.

A **Noise Dosimeter** measures the average exposure throughout the work day/shift or a particular task during the work day. When a sound level meter is not available use the 2-3 Foot Rule. Stand about an arm’s length from a coworker if you have to raise your voice to be heard it is likely that the sound level is at or above 85dBA.

**3 Steps to Noise Control**
- Reduce it
- Move it
- Block it

An **Industrial Hygienist** helps employers in all industries determine occupational exposures and reduce the risk of occupational illnesses due to environmental stressors, noise, and contact with or inhalation of chemicals, harmful dusts, fumes or vapors. Contact your local BWC or safety consultant for additional information or referrals.

**Remember**: The BEST hearing protective device is the one you actually wear!
Safety Tip of the Month
Provided by Troy Manion, Safety Director, Hilscher-Clarke & Vice Chair SCSC Steering Committee

Together We Can Beat the Flu

6 Tips to Stay Healthy this Flu Season

- Avoid touching eyes, nose, mouth
- Cover your sneeze/cough
- Wash your hands
- Stay home if you’re sick
- Avoid contact with sick people
- Get the Flu Vaccine

The flu vaccine is the first step in protecting yourself
Q: What are the employer responsibilities to protect temporary workers?

A: There is a joint responsibility of the host employers and the staffing agency.

While the extent of responsibility under the law of staffing agencies and host employers is dependent on the specific facts of each case, staffing agencies and host employers are jointly responsible for maintaining a safe work environment for temporary workers - including, for example, ensuring that OSHA's training, hazard communication, and recordkeeping requirements are fulfilled.

OSHA could hold both the host and temporary employers responsible for the volatile condition(s) - and that can include lack of adequate training regarding workplace hazards. Temporary staffing agencies and host employers share control over the worker, and are therefore jointly responsible for temporary workers' safety and health.

OSHA has concerns that some employers may use temporary workers to avoid meeting all their compliance obligations under the OSH Act. Therefore, it is essential that both employers comply with all relevant OSHA requirements.

A key concept is that each employer should consider the hazards it is in a position to prevent and correct, and in a position to comply with OSHA standards. For example: staffing agencies might provide general safety and health training, and host employers provide specific training tailored to the particular workplace equipment/hazards.

- The key is communication
- Staffing agencies must ensure that they are sending workers to a safe workplace. They also must verify that the host has fulfilled its responsibilities for a safe workplace.
- Ignorance of hazards is not an excuse.
- And, just as important: Host employers must treat temporary workers like any other workers in terms of training and safety and health protections.

OSHA has updated their page on responsibilities and temp workers

https://www.osha.gov/shpguidelines/communication.html
https://www.osha.gov/temp_workers/
It’s important to have a plan in place when a workplace accident occurs. Using an accident checklist can help minimize the impact of the injury on the injured worker and on the employer’s premium. It is imperative that ownership, management and employees understand the necessary procedures to follow when an accident occurs.

- Once an accident occurs it is important to get immediate medical attention for the injured worker, if necessary
- As soon as possible, the injured worker should complete an accident report and sign the First Report of Injury (FROI)
- Once treatment is provided it is important to thoroughly investigate the circumstances of the accident by documenting any evidence in writing, taking photographs and obtaining incident reports and obtaining notarized witness statements
- Notify your Managed Care Organization (MCO) case worker
- Contact your Third Party Administrator (TPA) if you have a question about certification or rejection of the claim or if the injured worker will miss work due to the injury
- Obtain the MEDCO-14 from your MCO. This form has return-to-work information, any work restrictions and the physician’s contact information
- Try to maintain open lines of communication between the employer and the injured worker throughout the life of the claim
- Notify TPA and MCO of any changes in the injured worker’s condition or work status
- The employer should communicate with TPA about any information received from the injured worker’s counsel, the primary physician and BWC

Upcoming Events

**LEPC—Local Emergency Planning Committee Fall Conference—Oct. 3—**
2800 Richville Dr. SW., Massillon—Free—to register: https://davidschmidt349567.typeform.com/to/Mkqs4G

**Fire Prevention Breakfast**—Wed. Oct. 9, 2019—8:00 a.m.-9:30 a.m.—First Christian Church, 6900 Market Ave. N., Canton, OH 4472—$15.00—www.starkcountysc.com

**Ohio Safety Congress & Expo**—March 11 to 13, 2020, Columbus, Register: SafetyCongress@bwc.state.oh.us

*Due to this event, the SCSC March 2020 luncheon will be moved to March 19th!*
FREE BWC SAFETY CLASSES
Free BWC safety classes available at North Canton Service office. See the BWC catalog for class descriptions.

OSHA10: Industry Safety Basics—Oct 1-2—8:30-4:30 pm each day  
Train The Trainer Techniques for Safety—Oct. 29-30—8:30-4:30 (Oct. 29) and 8:30-Noon (Oct. 30) 
Electrical Basics—Nov. 5—8:30-noon

Resources
- The BWC Library creates a monthly ‘Safety Update’ available at www.bwc.ohio.gov

November 14, 2019
“The Safety Illusion” Are you truly safe or is it just an illusion?

Kyle E. Weygandt LSP - MSA Safety / OSHA Compliance Coordinator
Just The F.A.C.T.S. LLC

Spotlight Company:

Safety Council Officers & Contributing Members

Chairman: Randy Martin  
(randym@beaverexcavating.com)

Vice Chair: Troy Manion  
(tmanion@hilscher-clarke.com)

Program Manager & Canton Regional Chamber Representative: Connie Cerny  
(Connie@cantonchamber.org)

Newsletter Coordinator:  
Karen L. Bostrom (kbostrom@kwgd.com)

Ohio BWC Representatives:  
Robin Watson (robin.w.1@bwc.state.oh.us) and Deb Bailey (Deborah.b.1@bwc.state.oh.us)
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