



# 'HEAR' ON THE PRAIRIES 2023

● A 'HOW TO' WORKSHOP FOR MANAGING A HEARING LOSS PREVENTION PROGRAM

📅 Tuesday, May 16th, 2023

🕒 8:00 am - 4:45 pm

📍 Made Safe, 67B Scurfield Blvd  
Winnipeg, MB R3Y 1G4

**CLICK HERE TO REGISTER** for the event or contact the IPAM office at **204-295-1512** or **office@ipam-manitoba.com**



This workshop is designed specifically for the Audiometric Technician requiring a refresher and all employers, workers and safety professionals responsible for preventing noise induced hearing loss, including those involved in compensation claim management, occupational health nurses, and hearing conservation managers in charge of their company Hearing Loss Prevention Program.

#### **FACILITATOR**



**Karen Turner**

*ProTec Hearing*

#### **FEES**

IPAM Members – \$320.00/person

Non-Members – \$350.00/person

This event contains 6.35 technical hour (0.1 CPD Point) and may be eligible for BCRSP CPD points. See the BCRSP web site at [www.bcrsp.ca](http://www.bcrsp.ca) for CPD point criteria.

#### **CANCELLATION POLICY**

Cancellation of your registration is accepted until May 5th and registration fees will be refunded in full. After May 5th, registration fees, less \$75 administration fee will be refunded. Registrations cancelled after May 12th, are non-refundable. Substitutions are welcomed.

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## **1. PREVENTING NOISE-INDUCED HEARING LOSS BY HELPING WORKERS DISCOVER THE VALUE OF HEALTHY HEARINGS**

Motivating workers to wear hearing protection and take care of their hearing is one of the most difficult things we do. In this session we will focus on how employers can more effectively prevent hearing loss by focusing on the value of hearing and the personal benefits of healthy hearing.

### **Learning Outcomes**

Participants will be able to:

- Lead a discussion of “favorite sounds” that helps workers appreciate the value of hearing
- Demonstrate how hearing loss negatively impacts communication and enjoyment of sound
- Help workers understand how healthy hearing will benefit them

## **2. TECHNOLOGY TO HELP WORKERS HEAR AND COMMUNICATE WHILE WEARING HEARING PROTECTION**

Wearing hearing protection devices (HPDs) is a necessary component of a hearing conservation program (HCP) but workers sometimes report that HPDs interfere with their ability to hear important sounds in the work area and communicate with co-workers. During this session we will highlight technologies that help hearing protection users overcome some of these challenges.

### **Learning Outcomes**

Participants will be able to:

- Describe how hearing protectors may interfere with communication and situational awareness
- Explain how workers may use hearing protectors incorrectly in an attempt to hear important sounds and conversations
- Identify technologies that may make it easier to detect and identify critical sounds in the work area and facilitate communication

### **Ted Madison, M.A., CCC-A, CPS/A**

*Midwest Center for Occupational Health & Safety  
University of Minnesota School of Public Health*

Ted Madison is an audiologist in Saint Paul, Minnesota, specializing in hearing loss prevention. He retired from the 3M Company in 2019 and is currently a CAOHC-certified course director at the Midwest Center for Occupational Health & Safety at the University of Minnesota. He is a Past-President of the National Hearing Conservation Association (NHCA) and a recipient of the 2002 NHCA Outstanding Lecture Award. Ted is a member of the expert committee for the Safe-in-Sound Award for Excellence in Hearing Conservation; an award that recognizes companies that are innovators in reducing noise-induced hearing loss.



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## ***LISTEN CLOSE: A Comprehensive Overview of Occupational Hearing Loss and Implementing Effective Hearing Conservation Programs***

The audiology session will cover a broad range of topics related to hearing health.

The session is designed to provide a comprehensive overview of the mechanics of hearing and physical changes associated with hearing loss due to noise exposure. The session will walk through the steps of an occupational hearing screening including: case history, otoscopy, audiological testing procedures, counseling the employee based on the findings and appropriate recommendations. We will discuss how to interpret the results to identify abnormal audiograms, significant shifts and other reasons for referral in a hearing conservation program. We will also discuss the impact of noise induced hearing loss on communication, cognition and its effects in the workplace. Finally, the session will cover hearing critical jobs where hearing is essential and the use of hearing aids in the workplace. Overall, the session aims to provide participants with a comprehensive understanding of the various aspects of occupational noise exposure and hearing loss in the workplace.

### ***Learning Outcomes***

Participants will be able to:

1. Understand the mechanics and biology of hearing and the physical changes that occur with noise induced hearing loss
2. Identify the different types of hearing loss and understand the cause and effects
3. Understand the procedures for industrial hearing testing and techniques
4. Identify normal, abnormal audiograms including minimal shifts, significant shifts and other red flags
5. Understand the impact of hearing loss on work performance, social life, mental health and earning potential and the importance of prevention and regular hearing screening

### **Mackenzie Dewar, Au.D., M.A.**

*Doctor of Audiology  
Registered Audiologist*

Mackenzie Dewar, Au.D. is a licensed audiologist having earned both her Master's and Doctor of Audiology degrees from the University of Minnesota. Currently working in a private practice setting in Manitoba. Mackenzie offers diagnostic audiological evaluations and customized treatment plans for patients with hearing loss and tinnitus. Along with her clinical work, she assists with hearing conservation programs for various industries and is passionate about educating employers and employees on the importance of hearing health and the benefits of hearing protection devices to prevent loss.



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## **1. NOISE! Occupational Noise Hazards Assessments, & Reporting**

We will review occupational noise hazard assessments, methodology, reporting, and interpretation. Covering current regulations and standards we will learn the in's and outs about this very important component for all hearing conservation programs.

### **Learning Outcomes**

- Learn how to use select hearing protection for any environment and situation
- Know how to interpret noise reduction ratings, international and domestic standards
- Find out brand new innovations in hearing protection

## **2. PROTECTING YOUR EARS FROM NOISE – THERE'S MORE TO IT THAN YOU THINK!**

Hearing protection has come along way over the decades, and too many still do not use and select it correctly. We review what works, what people get wrong, and new innovations to come.

We will cover, hearing protection types, use, care selection, and take the guess work out of protecting your ears. What does the science say your hearing protection use and habits. What exactly is an acoustic seal, why is it necessary, and when is it not? Join me in discovering hearing protection in new light, there is more to know than most are aware.

### **Learning Outcomes**

- Noise Measurement types
- MB regulation
- CSA reporting
- Reading and applying noise reports

## **Cory Graham**

*Owner of Hearing Innovators Inc  
Audiometric Technician and Custom ear mold Designer*

Cory has been implementing industrial hearing conservation programs for over 20 years. Through his company they conduct noise survey, hearing screenings, and make custom hearing protection. Cory's main focus for the last 3 years has been custom earmolds manufacturing, with digital 3d printing and design.



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## **MANAGING AN EFFECTIVE HEARING LOSS PREVENTION PROGRAM (HLPP)**

This presentation will introduce the new edition of CSA Z1007, *Hearing Loss Prevention Program (HLPP) management*. This Standard specifies requirements for the management of hearing loss prevention programs (HLPPs) designed to protect workers from occupational hearing loss.

It contains major changes in all aspects of an HLPP to reflect the principles set out in CSA Z45001 for management commitment, leadership, and worker participation.

It emphasizes the importance of the assignment of roles and responsibilities within the HLPP and the identification, monitoring and measurement noise hazards. It provides guidance on the selection and application of controls, the provision of hearing protection and hazard communication signage, training, record keeping and management review to support continuous improvement.

### **Learning Outcomes**

- The application of management systems principals to the prevention of noise-induced hearing loss
- The elements of a comprehensive HLPP
- Related occupational / technical standards that support CSA Z1007 including:
  - CSA Z94.2 - Hearing Protection Devices
  - CSA Z107.56 - Measurement of Noise Exposure
  - CSA Z107.6 - Audiometric Testing

### **Norma McCormick**

*Corporate Health Works, Inc.*

Norma McCormick has been involved in standards development at the national and international level for over 30 years. Norma has participated in, and chaired several CSA Technical Committees and lead the Canadian delegations to two ISO Technical Committees for ISO 45001 – Occupational Health and Safety Management System and ISO 45003, Psychological Health and Safety in the Workplace. For her volunteer contribution to standards development to CSA, Norma received CSA's Award of Merit.



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