Sample Hearing Conservation Program Policies and Procedures

PURPOSE

The purpose of this program is to protect personnel from possible noise-induced hearing impairment by establishing a comprehensive Hearing Conservation Program, and to comply with MIOSHA requirements.

POLICY

[Name of Municipality] will take the actions outlined in this policy to assure that employees work in an environment that will not adversely affect their hearing.

BACKGROUND

- A. [Name of Municipality] will consider noise control devices when purchasing equipment, so that new equipment that will operate at less than 80 dbA.
- B. When maintaining or repairing existing equipment, [Name of Municipality] will determine if engineering solutions can reduce excessive noise levels prior to implementing mandatory hearing protection.

RESPONSIBILITY AND PROCEDURE

A. Health, Safety and Training

- 1. Will conduct noise surveys to identify employees whose noise exposure may equal or exceed an 8-hour time weighted average (TWA) of 85 dbA.
- Will determine and provide plug and muff type hearing protectors that will provide acceptable attenuation characteristics for the environment to which the employee is subject.
- 3. Will perform monitoring whenever a change in production, process equipment or controls increases noise exposure to the extent that additional employees may be exposed at or above the action level of 85 dbA.
 - Employees will receive written notification when personal dosimeter monitoring is conducted.
- 4. Will determine areas in which noise levels are at a TWA of 85 dbA or greater, and assist departments in posting the periphery of the defined areas with warning signs.
- 5. Establish a training program and conduct annually for all employees identified by paragraph #1 of this guideline. Training program shall include:
 - a. The effects of noise on hearing.
 - b. Purpose of hearing protection devices offered, advantages, disadvantages, and attenuation characteristics.
 - c. Proper use and maintenance of hearing protectors.
 - d. Purpose of audiometric testing and explanation of test procedures.

6. Will notify the Program Administrator of all individuals whom the annual audiometric testing program will include.

B. Health Center

- 1. Will schedule and conduct audiograms for all employees identified by paragraph A.1. Tests will take place annually thereafter.
- Maintain records of all audiometric test results for employees.
- Calibrate audiometric booths and instruments according to ANSI 53.6-1969.
 Maintain all calibration records.
- 4. Notify employees in writing within 21 days when a standard threshold shift is determined. These employees will be retested in six months.
- 5. Notify employees in writing of annual audiometric test results in comparison to their baseline audiogram.
- 6. Log on Form 200 any threshold shift greater than 10 db according to protocols.

C. Department Manager

- 1. Assists safety staff to reduce noise levels to lowest level possible.
- Assure compliance with this guideline in all affected areas within department.
- 3. Cooperate in freeing employees to come to Program Administrator for testing.

D. Supervisors and Managers

- 1. Will adhere to testing schedules prepared by medical.
- 2. Will enforce the use of personal protective equipment (hearing protection).

E. Employee

 Will wear hearing protection if they are working in areas with noise levels at a TWA of 85 dbA or greater.

Health, Safety and Training Audiometric Testing Procedures

PURPOSE

- A. To prevent and control hearing impairment in the workplace, and
- B. To meet the requirements of the Michigan Occupational Safety and Health Act (MIOSHA).

CERTIFICATION

- A. Occupational Hearing Conservationists (OHC)
- B. Responsibilities of Health Center Staff
 - 1. Calibrations of audiometric equipment.
 - 2. Recording the calibrations.
 - 3. Recording the diagrams.
 - 4. Employee education program.
 - 5. Correct techniques in obtaining audiometric testing.
 - 6. Referrals to audiologists and physicians as indicated.

REQUIREMENTS

Occupational Hearing Conservation begins when measurements are 85 dbA over 8-hours.

A. Calibrations

- 1. Biological calibrations of audiometric machine on individuals with known threshold daily.
- 2. Acoustic (annual) calibrations.
- 3. Exhaustive calibrations to be done by (Name of testing facility). Certifications of equipment shall be posted in Health Center.

B. Audiometric Testing

- 1. Baseline testing at beginning of employment.
- 2. Pre-placement situations demand testing.
- 3. Monitoring on yearly basis.
- 4. Exit audiometric testing on individuals leaving or retiring.

C. Referrals

To audiologist or physician:

- 1. When STS of 10 decibels or more is averaged at 2,000, 3,000 and 4,000 Hz in both or either ear.
- 2. Significant hearing loss at 500, 1,000, 2,000 or 3,000 Hz is noted.
- Pain or drainage noted from either ear.

D. Techniques

- 1. Hughson-Westlake ascending technique for threshold determination at 1,000, 2,000, 3,000, 4,000, 6,000, 8,000 (reliability test) and 500 Hz in that order for both ears. Reliability test need only be done for the first ear at 1,000 Hz.
- 2. O-right ear in red ink. X-left ear in black ink.
- 3. Employees must be free of loud noise for 14 hours before test and instructed so.

E. Personal Hearing Protection Devices

- 1. Use is mandatory when working in 85 dbA or higher for 8 hours.
- 2. Program to educate employee in the need for hearing protection is mandatory.

F. Abbreviations

CAOHC Council for Accreditation of Occupational Hearing Conservation EEP **Employee Education Program** Decibels—Intensity of Sound db HΖ Hertz—Frequency of Sound NRR Noise Reduction Rating Occupational Hearing Conservationist (Certification required) OHC Occupational Hearing Loss OHL PHPD Personal Hearing Protection Devices Standard Threshold Shift STS

G. Daily Calibration

- 1. Check fuse and power cord.
- Check all switches and dials.
- 3. Turn dial to 40 db and with headset on, sweep through all frequencies in each ear.
- 4. Check at one frequency in each ear for any intermittent noise by wiggling cords.

H. Patient Instructions

- 1. Ask patient if he or she has a "better ear".
- 2. Have individual remove glasses, earrings and/or hearing aid.
- 3. Have patient face away from tester.
- 4. Instruct patient to push button when he or she hears sound.
- 5. Tell patient that some sounds will be softer.
- Use thumbs to place earphones over each ear with diaphragm over the ear canal.
 Tighten headband as indicated.

PROCEDURE FOR USE OF MICROPROCESSOR AUDIOMETRIC TESTING MACHINE

A. Operating Instructions

- 1. Turn power switch on.
- 2. Enter date by keyboard.
- 3. Push I to enter date and place operation number in.
- 4. Push I to enter data.
- 5. Select constant or pulsing tone stimulation.
- 6. Select automatic screening button.
- 7. After the wanted recordings have been completed, activate push button ^I.

- 8. Enter patient's I.D. number. Activate button that indicates the final remark sign, which has to be filled out with the operator's signature.
- 9. At any program step, where the printer asks a question, the program can be continued without entering information by activating the push button.

Employee Notification of Noise Level

DEPA	ARTMENT:	UNIT:				
	AL SECURITY #:					
safe		ur employees work in an environment which is as unicipality] recently monitored you (your area) for				
	ults obtained from this monitoring indicate sured as an 8-hour TWA.	your exposure level to be db,				
	results of this monitoring indicate your exp which triggers a program of hearing cons	posure to be at, or above the "action level", (85 servation.				
	efore, [Name of Municipality] policy requir ervation that includes the following:	res your participation in a program of hearing				
1. 2. 3.	You will be scheduled for an audiometric test (a test which measures your ability to hear). You will be provided with a choice of hearing protectors from which you may select. You will be required to wear them while performing your job. You will be required to participate in a hearing conservation training program.					
You point		ety and Health Coordinator concerning these				
	u have any questions concerning any of thus iss them with you at a mutually convenier	ne above, [Name of Municipality] is available to nt time.				
	ne of Municipality] looks forward to your co	ontinued cooperation in this important area of				
As e	videnced by my signature below, I acknov	wledge receipt of this test data.				
	Employee Signature					
	Social Socurity #					

Audiological Examination

NAME: DEPARTMENT: SOCIAL SECURITY #: FOLLOW-UP:		UNIT:		_ SHIFT:			
AUDIOGRAM (Check one box for each question.) 1. Do you wear hearing protection while at work? 2. Do you have frequent headaches? 3. Have you had a cold in the last 2 or 3 weeks? 4. Have you had an ear infection in the last 2 or 3 weeks? 5. Have you ever had any sharp pain in the ears? 6. Have you had a hearing loss? 7. Do you have a ringing in the ears? 8. Any hobbies with loud noises involved (e.g., hunting, shooting, etc.)? If "YES", please specify:							
2,000	<u>RIGHT</u>			<u>LEFT</u>			
3,000 4,000							
DOCTOR REVIEWING:COMMENTS:							
DATE OF (CALIBRATION:						
 Adv Der Car Ear Typ 	ving is discussed with the employee: rerse effects of noise? monstration of ear protectors? e of ear protectors? protectors recommended? e of hearing protection recommended	d: 🗖	PLUGS		YES	NO 	
EXAMINER'	S SIGNATURE:			DATE:			

Employee Notification of Audiometric Test Results

EMPLOYEE NAME:							
DEPARTMENT:	UNIT:						
SOCIAL SECURITY #:	DATE OF AUDIOGRAM:						
As part of [Name of Municipality]'s ongoing hearing given an audiometric test. This test measures your in your hearing ability.							
Check Applicable Boxes							
In comparison with your baseline at time of hir	In comparison with your baseline at time of hire your audiogram is normal.						
Your current exam shows a standard threshold shift from the basal exam. You are required to wear hearing protection whenever you are exposed to noise on and off the job. You have been trained in the types of protection and instructed in their use.							
☐ Baseline will remain the same.							
☐ Repeat audiogram will become the revised baseline.							
☐ Repeat audiogram is required within 30 da	ays.						
As evidenced by my signature below, I acknowledge	e receipt of this test result.						
Employee Signature							
Social Security #							