

NOISE EXPOSURE SURVEY

Either the Mine Operator

Or MSHA

**Can conduct a noise exposure
survey on You.**

**This presentation describes
MSHA's method.**

A PERSONAL NOISE DOSIMETER IS USED TO DETERMINE YOUR FULL SHIFT NOISE EXPOSURE.



**The Dosimeter and its
Field Calibrator
will be currently
calibrated.**

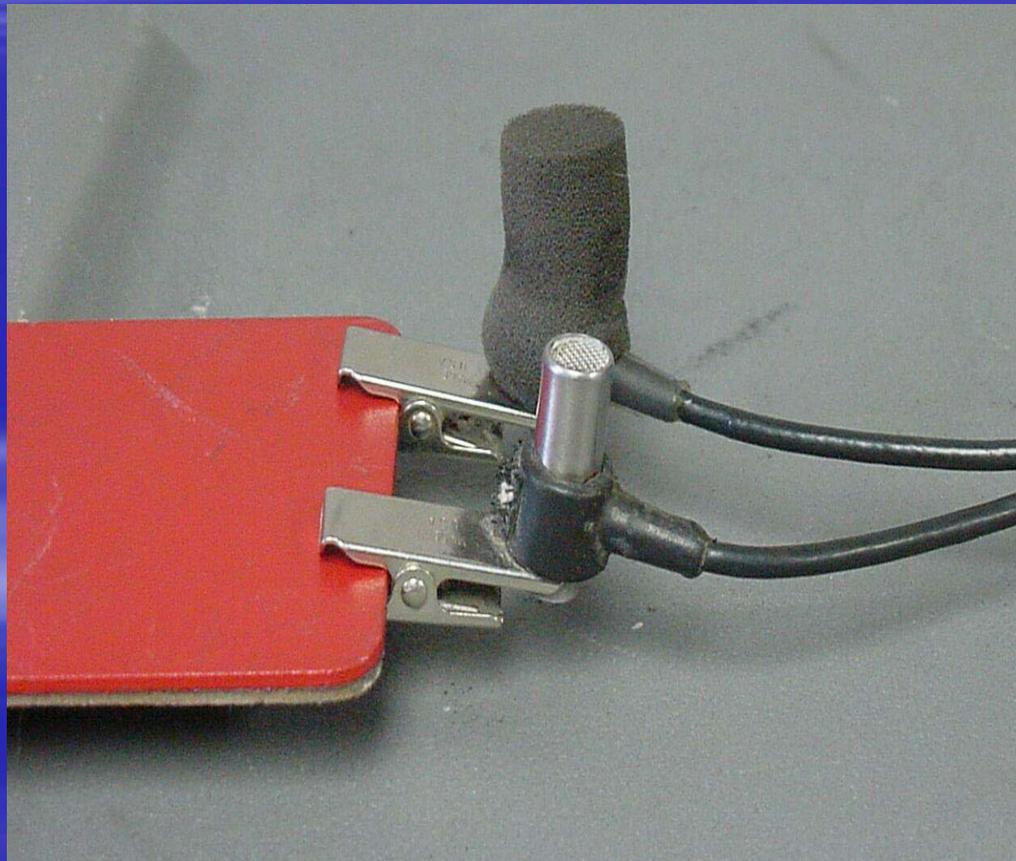
This Annual Calibration is documented on the back or side of the dosimeter



The Dosimeter is field calibrated before and after the survey.

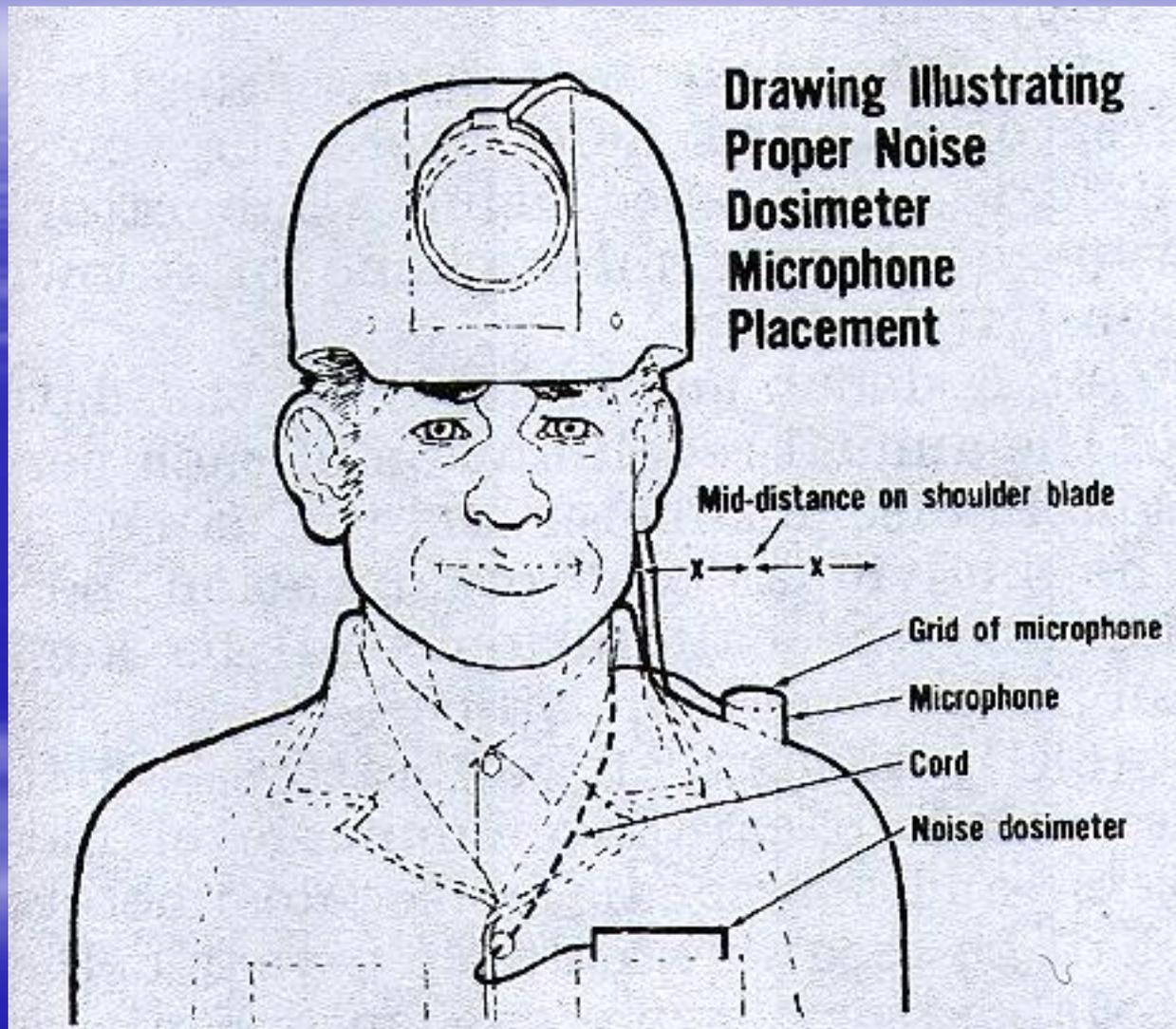


After field calibration a wind screen is attached to the microphone.



The microphone is placed midway between your neck and shoulder in an upright position.

Drawing Illustrating Proper Noise Dosimeter Microphone Placement

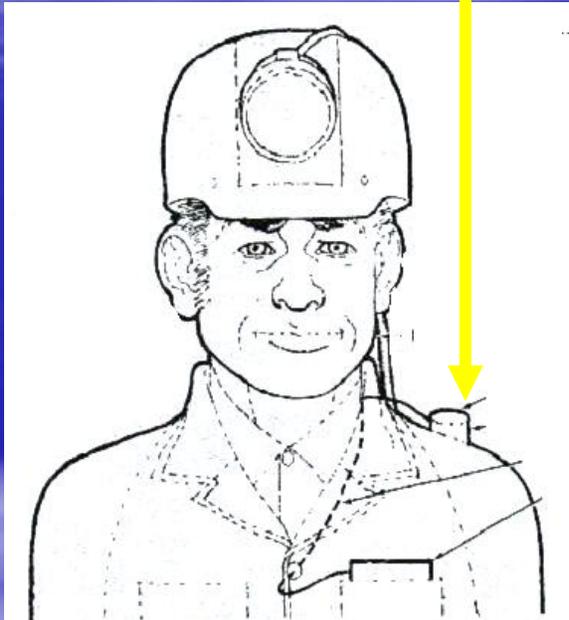


The dosimeter and microphone cable should be located so as to minimize safety hazards and damage to the instrument.



**The dosimeter should
be placed on the
shoulder that is
normally between the
principal noise source
and your ear.**

MICROPHONE ON THE SHOULDER CLOSEST THE TO NOISE SOURCE



Throughout Your entire shift

- You must wear the dosimeter.
- You must not transfer the dosimeter when changing tasks.
- You must ensure that the microphone remains properly positioned.
- You must guard it from damage.

**Additionally, collaborative
Sound Level readings maybe
taken and recorded for each
activity you perform during
the work shift in a manner that
measures the different noise
sources to which you ar
exposed.**

The Sound Level Meter is likewise calibrated before and after your shift



Measurements are taken at Arms Length within 1 to 2 feet of your Ear, with the microphone pointed upward.

A dosimeter in the SLM mode may be substituted.

At the End of Shift

- **Dosimeter is removed**
- **The data is read-out or downloaded**
 - **Overall noise exposures (Dose %);**
 - **Time Weighted Average (Sound Level dBA);**
 - **Length of survey (hours, minutes, seconds); and**
 - **Maximum Sound Level (dBA)**

This Information is Used:

- **To determine if Action Level has been equaled or exceeded.**
- **To determine if the Permissible Exposure Level has been exceeded.**
- **To determine if the Dual Hearing Protection Level has been exceeded.**



***Daddy's Home ©
By Wayne Collett***

**Your children can whisper to you now,
Don't make them shout at you in the future**