



ZURICH

# NOISE SURVEY RESULTS SUMMARY RECORD

Company: \_\_\_\_\_  
Location: \_\_\_\_\_  
Survey Date: \_\_\_\_\_

Employee Name	Department	Job Title	Full Shift % Dose*	8-hour TWA (dBA)	At or above 85 dBA √	Hearing Protector NRR

\*80 dB measurement threshold

## GUIDELINES FOR THE NOISE SURVEY RESULTS SUMMARY RECORD

**USE** The Noise Survey Results Summary Record is used to provide a summary and quick reference of all noise monitoring performed in your facility for (1) prioritizing control measures and (2) identifying employees and departments to include in the Hearing Conservation Program.

- a. **DATE** - Enter the date that the noise monitoring was conducted.
- b. **EMPLOYEE NAME** - Enter the name of the employee for which noise exposure evaluation was performed.
- c. **DEPARTMENT** - Enter the employee's department or work area.
- d. **JOB DESCRIPTION** - Enter the job performed by this employee for which the noise monitoring applies.
- e. **FULL SHIFT % DOSE** - Enter the full shift audio dosimeter results, or the full shift noise dose calculated from sound pressure level measurements taken over the employee's work shift.
- f. **8-HOUR TWA (dBA)** - Enter the equivalent 8-hour time-weighted average sound level. This may be available from the noise survey results, or determined from the Full Shift % Dose using the OSHA conversion table (1910.95, Appendix A, Table A-1), or calculated using the following formula:

$$TWA = 16.61 \log_{10} (D/100) + 90, \text{ where}$$

TWA = 8-hour time-weighted average sound level, and  
D = Accumulated dose in % exposure.

- g. **AT OR ABOVE AL?** - Place a check in the box if the employee's exposure meets or exceeds the OSHA Action Level. These employees and those exposed to noise in the same manner need to be included in your Hearing Conservation Program.
- h. **HEARING PROTECTION NRR** - For employees exposed above the AL, enter the hearing protector NRR required for the 8-hour TWA-dB(A) the employee is exposed to. This can be determined using the following formula:

$$HPD-NRR \text{ (dB)} = 8\text{-hour TWA} + 7\text{dB} - 85 \text{ dB}^*$$

\*Note: This formula complies with 1910.95, but does not take into account the difference that may exist between laboratory-based NRR's and real world noise reduction. Some sources, including the OSHA Technical Manual, recommend doubling the HPD-NRR obtained from this calculation to arrive at a suitable hearing protector NRR.