



acoustical systems, inc.

Workplace Noise Exposure Assessment

Job Function Analysis Method

Introduction - The survey will be task and equipment based, therefore no employee names or identification numbers will be listed in the final report.

Center of Area Sound Readings - The areas selected for testing will be divided into grid sectors. Acoustical Systems will record A-Scale maximum, average, and peak production sound levels in the areas. These levels will be used to develop color-coded noise maps.

Job Function Analysis - Through observation and supervisor interviews, the noise assessment monitoring groups will be determined. The activity, location, time duration and noise levels of the each activity/task will be recorded. The data is then processed to determine the Job Function that represents the group being studied.

Determination of Sound Levels – Our engineers will measure the A-weighted maximum, and Production Lverage, and the unweighted peak at each activity/task. In addition, primary noise sources and critical observations will be recorded. The data is typically gathered over a period of three to five cycles of the monitored activity, or a representative duration to record an accurate task sound level.

Noise Exposure Potential Calculations – The full-shift noise exposure potential for each employee will be calculated by applying equipment noise sampling data and exposure time factors to noise exposure equations specified in OSHA 1910.95 – Occupational Noise Exposure

Reporting - The format and content of the Acoustical Systems reports conform to OSHA guidelines. In addition, the reports will include the location of each set of sound level measurements gathered. This information allows the client to easily audit the data.

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