

Tuesday – PDC 2

Noise Exposure Assessment – Sampling Strategy and Data Acquisition

TUESDAY, 4 November, 2014 | 8:00 a.m.–5:00 p.m.

Early Registration (by 29 August 2014)

Member Price \$1250 RM (\$390 USD) / Non Member Price \$1480 RM (\$460 USD)

Advance Registration (by 29 August 2014)

Member Price \$1410 RM (\$440 USD) / Non Member Price \$1640 RM (\$510 USD)

Limit: 40

8 CM Credits/0.8 CEU/COC/0.5 CMP/7.0 SDUs/5.0 CEP Points

Level: Intermediate

Topic:

Noise

Description:

Effective design and management of noise-exposure assessment campaigns promotes smart application of noise-control resources. This PDC will describe statistical and other approaches to data analysis, appropriate sample-selection protocols and data application to promote effective hearing loss prevention.

Value Added:

Discusses statistical approaches, data analysis, selection protocols and applications.

Prerequisite:

An understanding of decibel calculation and the basic operation of noise measurement equipment.

Outcomes:

Upon completion, participants will be able to

- Demonstrate effective development and design of noise-exposure assessment campaigns
- Perform instrument and sample selection, design, program implementation, and data management
- Facilitate effective hearing-loss prevention

Outline:

- Introduction and overview
- Technical references
- Current regulatory issues
- Need, rationale and application of data
- Current state of monitoring
- Compliance overview
- Definitions and metrics
- Sampling strategy
- The Similar Exposure Group (SEG) statistical application
- Organization-based applications
- Equipment overview and selection
- Reports and sound mapping

Transfer of Knowledge:

Instructors will evaluate participants understanding of the materials presented based on

- Practice exercises

Instructor:

Lee Hager, Consultant/3M OEHSD, Portland, MI, USA