



STOFFENMANAGER: *Management of Chemical Exposures, Simple and Cost Effective Solutions*

The National Institute for Occupational Health in Johannesburg (NIOH), a WHO Collaborating Centre in Occupational Health, in collaboration with Arbo Unie, Netherlands is proud to host the International training course on Management of Occupational Chemical Exposures: Simple and Cost Effective Solutions.

This one day training aims to provide the delegates knowledge and skills in using the web based risk assessment and management tool to assist in reducing chemical exposures in their workplace.

The traditional management of chemical exposures in the workplace is to rely on technical experts to evaluate workplace hazards and risks, conduct exposure monitoring, compare with the existing Threshold Limit Values (TLV) and recommend control measures. The innovative approach to risk management is to empower owners/operators to evaluate their own workplaces for hazards and risks and focus resources on practical control solutions rather than expensive exposure measurements.

The training will introduce the participants to the innovative approach to chemical risk management by using a free web based IT tool called "Stoffenmanager." The research and development of Stoffenmanager was done by a consortium of experts from Arbo Unie Occupational Health Service, Netherlands Organization for Applied Scientific Research and BECO from The Netherlands and is funded by the Dutch Ministry of Social Affairs and Employment.

The Stoffenmanager tool will allow users to:

- Generate recommendations for preventing exposure using available resources and technologies
- Develop a program plan for addressing workplace hazards
- Conduct qualitative assessment of a workplace
- Categorize exposure groups
- Recommend intervention strategies for reducing exposure
- Begin program plan for workplace

Attendance to the training course will give the participants the knowledge and skills to be able to:

- Group the chemicals according to their hazardous properties (Hazard banding)
- Conduct their own risk assessment and calculate exposure levels of chemicals
- Prioritize the risk
- Assess the correct controls, from the recommended control measures, that will reduce the exposures.

Course Presenter



Ms. Inakshi Naik: Ms Naik works at the National Institute for Occupational Health (NIOH) in Johannesburg, South Africa and is the head of the Training Department since 2012. She retired in 2011 after serving as a head of the Analytical Services for 12 years. She has a Masters degree in Physiology, Diploma in Occupational Health and Diplomas in Medical Technology.

She was actively involved in developing analytical capacity in environmental and biological monitoring in occupational and environmental health in South Africa to service academic institutes and public as well as private sectors of the industries. This was achieved through establishing internationally recognized, ISO Code 15189 and 17025 accredited laboratories providing analyses in toxic substances namely metals organic compounds including pesticides and PCB monitoring. In her current position she is involved in developing capacity in occupational health through training under and post graduate occupational health professionals within the private and public sectors in South Africa.



Ms. Kalavati Channa: Ms Channa is a Senior Medical Scientist for the past 13 years and is currently an Acting Head in the Analytical Services at the NIOH, Johannesburg South Africa. She has a Masters degree and is currently completing a PhD in Chemistry. She is involved in developing and implementing methods for analyzing biological and environmental specimens, to measure organic substances, on workers exposed to the hazardous chemical substances.

She is also involved in training under and post graduate students in laboratories techniques, instrumentation, functions, laboratory management systems, Total quality management systems under ISO Code 15189 and 17025. She provides consultation service to clients on Biological monitoring for the purpose of Medical surveillance program.