



TRAINING WORKSHOP

Asbestos Fibre Counting Using Phase Contrast Microscopy (PCM)

Date: 29 July 2013

Venue: National Institute for Occupational Health

25 Hospital Street

Constitution Hill

Johannesburg

Cost: R1550.00 per delegate (R1300 with own operational microscope)

(including training material, teas and lunches)

Expected Outcomes:

Asbestos fibre counting using PCM, the second in a series of one day workshops, will introduce participants to:

- Setting up a phase contrast microscope (PCM)
- Clearing and mounting filters
- Counting asbestos fibres using the PCM method
- Calculating asbestos exposures
- Quality assurance and proficiency testing schemes

The workshop module will be interactive and hands-on. For this reason **it is strongly recommended that students should bring along their own operational phase contrast microscope.**

For further information on the workshop please contact **Gabriel (Gaby) Mizan:**

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Tel: +27 011 712 6457

Fax: +27 011 712 6405

Course Presenter:



Gabriel E Mizan is a registered Occupational Hygienist (SAIOH) and has been working in the field of occupational hygiene for more than 20 years. During his work in industry and as a consultant he has been involved in numerous asbestos exposure assessments and abatement projects.

Gabriel joined the NIOH in 2007 as a scientist and, in January 2009, obtained a Proficiency Certificate in Asbestos Fibre Counting (PCM) from the British Occupational Hygiene Society in the UK and has published an article on the “Implications of the Introduction of a Replacement Method for Asbestos Fibre Counting in South Africa”.

Programme Outline

TIME	TOPIC	
08h45 - 09h00	REGISTRATION AND TEA	
09h00	Welcome and Introduction	Course expectations Overview and objectives
09h15 – 10h15	Preparing for Asbestos Fibre Counting	The principles of PCM Setting up the microscope Filter clearing and mounting
10h15 – 10h30	Sampling Methodology	Types of sampling Sampling equipment
10h30 – 10h50	TEA BREAK	
10h50 – 11h10	Counting Principles	Counting rules Limitations of PCM
11h10 – 11h30	Counting Practical (Part 1)	
11h30– 12h00	Calculations	Fibre density Fibre concentration Limits of quantification
12h00 -12h45	LUNCH BREAK	
12h45 – 14h45	Counting practical (Part 2)	
14h45 – 15h00	TEA BREAK	
15h00 – 15h15	Quality Assurance in Asbestos Fibre Counting: Laboratory QA and PT Schemes	
15h15 – 15h45	Competency Test & course evaluation/feedback	

Registration for Asbestos Module 2

Surname _____ Initials _____ Title _____

Company Name: _____

Type of Business: _____

Company Address (for billing purposes)

Tel () _____ Fax () _____

Email address: _____

VAT number: _____

Special Dietary Requirements: Vegetarian _____ Halaal _____ Kosher _____ None _____

I will be bringing my own microscope: Yes _____ No _____

Delegate 1: _____

Position: _____ Email: _____

Delegate 2: _____

Position: _____ Email: _____

Delegate 3: _____

Position: _____ Email: _____

AUTHORIZATION:

Signatory must be authorised to sign on behalf of company

Name: _____

Position: _____

Signature: _____ Date: _____

BANKING DETAILS:

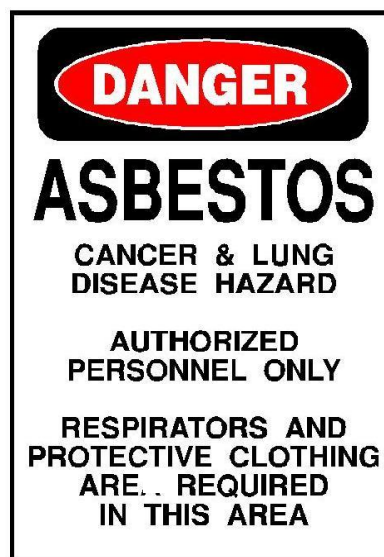
Account name: National Health Laboratory Service

Account number: 58811152924

Bank: FNB

Branch: Parktown | Branch Code: 250455

Depositor's Reference: T13AM2



Kindly return this registration form together with **Proof of Payment** via fax: 086 666 1969 or email: shanaz.hampson@nioh.nhls.ac.za by no later than **14 June, 2013**.