

Control of Hazardous Substances Industrial Hygiene Course W-505

March 19-23, 2012, Mumbai, India



In India, Golder Associates has been providing quality Industrial Hygiene education since 2009. As an OHTA approved training provider, we offer some of the most comprehensive Industrial Hygiene training available globally.

In 2011, the Environmental Business Journal recognized Golder's Occupational Hygiene Training Courses as an Industry Leader for training over 300 industrial hygiene practitioners.

The Occupational Hygiene Training Association (OHTA) offers internationally recognized industrial hygiene training programs. OHTA training modules are supported by the International Occupational Hygiene Association (IOHA), recognised by the American Board of Industrial Hygiene (ABIH) and earn certificates from the British Occupational Hygiene Society (BOHS) upon successful passing of a brief examination.

For registration, please contact Ms. Chitra Murali cmurali@golder.com
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Control of Hazardous Substances (OHTA W-505)

A 5-Day Internationally Recognized Industrial Hygiene Course

Mumbai, March 19-23, 2012

Hosted by: Golder Associates Consulting India Pvt. Limited

(www.golder.com)

Venue: VITS Mumbai

Address: Andheri Kurla Road, International Airport Zone, Andheri East

Language: English

Price: INR 35,000. (This fee includes exam/ certificate fee of USD150 and lunch and refreshments for all 5 days)

Description:

The aim of the course is to describe the ways in which exposure to hazardous substances arises in the work place, and to introduce the methodologies and technologies available to control exposures and thereby reduce risks to health.

Learning Objectives:

Upon successful completion of this module the student should be able to:

- ✓ Describe how airborne contaminants are generated by industrial processes
- ✓ Understand how this impacts the control strategy
- ✓ Develop optimized control strategies
- ✓ Carry out measurements to assess the local exhaust ventilation systems
- ✓ Take a holistic approach to the design of control solutions

Upon Completion:

- ✓ All participants receive a "Certificate of Completion" from Golder upon completion of the course (regardless of completion of the BOHS examination).
- ✓ Participants will receive a certificate from the BOHS after passing the exam.
- ✓ Participants will earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.
- ✓ Other local and national accrediting associations have awarded points for this course.



Dr. Jas Singh, CIH

Lead Presenter

Golder IH Course Director

Dr. Jas Singh has over 30 years of experience providing Industrial Hygiene consulting to Governmental, Industrial and Institutional organizations in the USA and abroad. Dr. Singh has served on the Board of Directors of the American Industrial Hygiene Association (AIHA) as well as on the Board of the American Board of Industrial Hygiene (ABIH). He is the past President of the Academy of Industrial Hygiene (AIH).

Ms Chitra Murali is an Industrial Hygienist and Environmental Engineer with Golder in India. She has experience in a wide range of projects including site screening studies, operation and maintenance of environmental systems and Industrial Hygiene work.

She has a Masters in Environmental Engineering from the Indian Institute of Technology Bombay.



**Chitra Murali
Presenter**



**Meenu Chopra
Co-ordinator**

Ms Meenu Chopra is a Human Development Consultant with Golder Associates in India. She has over eight years of experience in the field of Human Resources.

W- 505 Control of Hazardous Substances Course Agenda (March 19-23, 2012)

Day 1	Day 2	Day 3	Day 4	Day 5
<p>Introductions Course overview</p> <p>Workplace Control Principles</p> <ul style="list-style-type: none"> ▪Control Challenges ▪Hierarchy of Controls 	<p>Review of Overnight Questions</p> <p>Ventilation Systems</p> <ul style="list-style-type: none"> ▪Types of ventilation ▪Basic principles 	<p>Review of Overnight Questions</p> <p>Principles of Containment</p> <ul style="list-style-type: none"> ▪Types of containment ▪Design of containment systems ▪Testing and validation 	<p>Review of Overnight Questions</p> <p>Student Practical Exercises</p>	<p>Review of Mock Examination</p> <p>Case Studies (Group Exercise)</p>
Coffee				
<p>Designing Control Strategies</p> <ul style="list-style-type: none"> ▪Identifying sources of exposure ▪Determining the degree of control required ▪Deciding on control options 	<p>Ventilation Systems (cont)</p> <ul style="list-style-type: none"> ▪Local exhaust ventilation ▪Components ▪Hood design ▪Measurement ▪Limitations 	<p>Personal Protective Equipment</p> <ul style="list-style-type: none"> ▪Respiratory protection ▪Chemical protective clothing ▪Gloves and dermal care ▪Eye and Face protection 	<p>Student Practical Exercises (cont)</p>	<p>Case Studies (Group Exercise)</p>
Lunch				
<p>Understanding Sources of Contaminants</p> <p>Process Design & Principles</p> <ul style="list-style-type: none"> ▪Design of equipment and workplace layout 	<p>Ventilation Systems (cont)</p> <ul style="list-style-type: none"> •General ventilation •Dilution ventilation •Application and limitations 	<p>Administrative Elements</p> <ul style="list-style-type: none"> ▪Scheduling of work ▪Operating procedures ▪Training <p>Practical Applications Of Control Strategies (case studies)</p>	<p>Student Practical Exercises (cont)</p> <p>Calculation Exercises</p>	<p>Write up of Practical Exercise</p>
Coffee				
<p>COSHH Essentials Exercise (Group Exercise)</p>	<p>Ventilation Systems (Group Exercise)</p>	<p>Practical Applications Of Control Strategies (cont)</p>	<p>Calculation Exercises (cont)</p>	<p>Course Review</p>
<p>Overnight Questions</p>	<p>Overnight Questions</p>	<p>Overnight Questions</p>	<p>Mock Examination</p>	<p>Course End</p>

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