



INDUSTRIAL HYGIENE TRAINING COURSE

W-501: MEASUREMENT OF HAZARDOUS SUBSTANCES (INCLUDING RISK ASSESSMENT) 2012 North American Calendar

The aim of the course is to provide attendees with a sound understanding of the techniques for identifying and assessing exposure to hazardous substances in the workplace. It will also assist with understanding exposure information and its use in assessing health risk.

LEARNING OBJECTIVES:

- Identify chemical exposures in various workplace settings and related processes
- Understand the approach to occupational chemical health risk assessment
- Develop appropriate exposure monitoring strategies
- Select standard methods and proper equipment to perform industrial hygiene sampling
- Interpret exposure monitoring results, write IH reports and make informed decisions

UPON COMPLETION:

- Participants receive a "Certificate of Completion" from Golder upon completion of the course and will receive a certificate from the BOHS after passing the exam
- Participants 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 professional maintenance points for this course

ABOUT THE CERTIFICATION PROGRAM

The Occupational Hygiene Training Association (OHTA) has begun offering an internationally recognized Industrial Hygiene Certification Program. The program is recognized by The International Occupational Hygiene Association (IOHA) and by its various member organisations. There are seven different five-day training modules. Upon completing any of the modules, participants will receive an internationally recognized certification recognizing competence in the module topic. Certification is available in each of the seven different module topics.

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



COURSE SCHEDULES

PITTSBURGH, PA, USA
APRIL 30 - MAY 4
VENUE: Courtyard by Marriott

ADDRESS: 5100 Campbells Run Road,
Pittsburgh, PA 15205

INSTRUCTORS: Loren Anderson and
Charlie Haury

COST: \$850 USD. This cost includes the
BOHS examination fee.

TO REGISTER CONTACT: Lisa Krugh
lkrugh@golder.com or
724 935 6400

CALGARY, AB, CANADA
SEPTEMBER 24 - 28
VENUE: Golder Associates Calgary Office

ADDRESS: 102, 2535 - 3rd Avenue SE,
Calgary, AB T2A 7W5

INSTRUCTORS: James Crichton,
Michelle Kutz and Dave Ayriss

COST: \$850 CDN plus GST. This cost
includes the BOHS examination fee.

TO REGISTER CONTACT: Thea West
twest@golder.com or
403 532 5772

HOUSTON, TX, USA
NOVEMBER 26 - 30
VENUE: Doubletree Suites by the Galleria

ADDRESS: 5353 Westheimer Road,
Houston TX 77056

INSTRUCTORS: Andreas Wagner and
Angela Dartt

COST: \$850 USD. This cost includes the
BOHS examination fee.

TO REGISTER CONTACT:
Katrina Ruthstrom
kruthstrom@golder.com or
281 214 0023

10% discount for companies registering multiple participants under a single registration (discount does not apply to exam fee).

GOLDER FACULTY



LOREN ANDERSON, CIH, ROH

Loren Anderson is the Global EH&S Services Leader at the Golder Pittsburgh Office. Mr. Anderson is a Certified Industrial Hygienist (CIH) and Registered Occupational Hygienist (ROH) with over 30 years experience in a variety of EHS positions. He has served on several industry association EHS committees and was the Board of Directors for three national industrial hygiene associations including President of the Academy of Industrial Hygiene.



DAVE AYRISS, B.SC., CIH, CRSP

Dave Ayriss is a Certified Industrial Hygienist (CIH) in Golder's Calgary office with over 15 years of experience in the Occupational Health, Hygiene and Safety fields. He has provided guidance to clients in the oil and gas, construction, educational and manufacturing industries throughout Western Canada and has developed expertise in the identification and assessment of hazards through worksite inspections and the development and implementation of health and safety programs.



JAMES CRICHTON, B.SC., CIH

James Crichton is a Certified Industrial Hygienist leading the Industrial Hygiene Group in Ottawa and Eastern Ontario. Mr. Crichton has over 10 years experience in manufacturing and building environments managing industrial hygiene worker assessments for multinational clients. Specialties include qualitative risk assessments, quantitative industrial hygiene surveys and worker training.



DR. ANGELA DARTT, PHD, CIH, AEP

Dr. Angela Dartt is a Certified Industrial Hygienist (CIH) and Industrial Hygiene/Ergonomics consultant at the Golder Fort Collins/Denver office with over 8 years of occupational safety and health experience with specialised experience in industrial hygiene, ergonomics, and safety in manufacturing, construction, oil and gas, mining and the government sector. She is currently the International Affairs Director for the American Industrial Hygiene Association Rocky Mountain Section (AIHA-RMS) and a member of the AIHA Ergonomics Committee.



CHARLIE HAURY, CIH, CSP

Charlie Haury is a Principal with Golder Associates. He is a certified industrial hygienist (CIH), certified safety professional (CSP) and a licensed asbestos consultant (LAC) in the State of Florida. Charlie served as the Corporate Health and Safety Officer for all of Golder's US operations for ten years. He has over 30 years of experience in providing solutions to complex and diverse health and safety issues. He has extensive experience in Occupational Safety and Health Administration (OSHA) regulatory issues, asbestos and lead management, personal protective equipment and indoor environmental quality.



MICHELLE KUTZ, B.GS., DIPL. (OCC. HYGIENE), CIH, ROH

Michelle Kutz is an American Board Certified Industrial Hygienist and a Canadian Board Registered Occupational Hygienist in Golder's Red Deer office with over 14 years of experience in the Occupational Hygiene field. She has provided guidance to a variety of clients in the oil and gas, construction, educational, health, and manufacturing industries throughout Western Canada. Michelle has developed expertise in the identification and assessment of hazards through worksite inspections, industrial hygiene plans and health and safety program development.



ANDREAS WAGNER, M.ENG., CIH, ROH

Andreas Wagner has 20 years of consulting experience that includes expert witness testimony, asbestos/lead/silica/PCB control and abatement, microbial assessments and remediation, indoor air quality and odor evaluations, vapor intrusion studies, occupational hygiene projects, and training. He is a Certified Industrial Hygienist (CIH) and Registered Occupational Hygienist (ROH). Andreas is a Senior Practice Leader for Industrial Hygiene Services for the US operation of Golder and since January 2011, also serves as the Operations Manager for the Jacksonville, Florida Office.



ENGINEERING EARTH'S DEVELOPMENT, PRESERVING EARTH'S INTEGRITY.

solutions@golder.com
www.golder.com

Africa	+ 27 11 254 4800	Europe	+ 356 21 42 30 20
Asia	+ 852 2562 3658	North America	+ 1 800 275 3281
Australasia	+ 61 7 3721 5400	South America	+ 55 21 3095 9500

INDUSTRIAL HYGIENE TRAINING COURSE

W-501: MEASUREMENT OF HAZARDOUS SUBSTANCES (INCLUDING RISK ASSESSMENT)

AGENDA

DAY	TIME	TOPIC
DAY 1	0830 – 0930	Introductions and Course Overview
	0930 – 1030	Introduction to Physiology & Toxicology
	1030 – 1100	Coffee Break
	1100 – 1230	Risk Assessment
	1230 – 1330	Lunch Break
	1330 – 1500	Risk Assessment Cont'd + Case Study 1
	1500 – 1530	Coffee Break
	1530 – 1700	Hygiene Standards
DAY 2	0830 – 0900	Review of Overnight Questions
	0900 – 1030	Air Sampling Theory & Practice
	1030 – 1100	Coffee Break
	1100 – 1230	Case Study 2
	1230 – 1330	Lunch Break
	1330 – 1500	Case Study 3
	1500 – 1530	Coffee Break
	1530 – 1700	Biological Monitoring & Sample Analysis
DAY 3	0830 – 0900	Review of Overnight Questions
	0900 – 1030	Dust, Fumes & Fibers
	1030 – 1100	Coffee Break
	1100 – 1230	Dust, Fumes & Fibers Cont'd
	1230 – 1330	Lunch Break
	1330 – 1500	Dust, Fumes & Fibers Practical
	1500 – 1530	Coffee Break
	1530 – 1700	Dust, Fumes & Fibers Practical
DAY 4	0830 – 0900	Review of Overnight Questions
	0900 – 1030	Vapors & Gases
	1030 – 1100	Coffee Break
	1100 – 1230	Vapors & Gases Cont'd
	1230 – 1330	Lunch Break
	1330 – 1500	Vapors & Gases Practical
	1500 – 1530	Coffee Break
	1530 – 1700	Vapors & Gases Practical
DAY 5	0830 – 0900	Review of Overnight Questions
	0900 – 1030	Presentation of Results & Practical Assignment
	1030 – 1100	Coffee Break
	1100 – 1230	Case Studies 4 & 5
	1230 – 1330	Lunch Break
	1330 – 1545	Examination
	1545 – 1630	Post Examination Review