



Re: International Occupational Hygiene Certification – W507 Health Effects of Hazardous Substances

Dear Sir/Madam,

R.O.S.E. Environmental Limited was established in 1996 and is a premier provider of Environmental and Industrial Hygiene monitoring equipment and services. As part of our commitment to delivering quality work and adding value to our customers' operations we continue to offer Occupational Hygiene related Professional Development Training Courses, in order to assist with developing relevant "in house" competencies.

For well over 10 years ROSE Environmental has been hosting successful training courses and workshops in Occupational Hygiene and Indoor Air Quality. In 2012, we commenced an initiative to introduce the OHTA (Occupational Hygiene Training Association) training program with the objective of developing an international level of Industrial Hygiene skills and understanding, to support our industries here in Trinidad and Tobago. The OHTA was formed to better promote standards of occupational practice throughout the world. The Association promotes an international qualifications framework so that all hygienists can be trained to a consistent, high standard, recognized in all participating countries. Courses currently offered include:

1. **Fundamental Basic Level OHTA module**
 - a. W201 Basic Principles in Occupational Hygiene
2. **Four core Intermediate Level OHTA modules**
 - a. W501 Measurement of Hazardous Substances
 - b. W505 Control of Hazardous Substances
 - c. W507 Health Effects of Hazardous Substances
 - d. W503 Noise – Measurement and its Effects
3. **Two optional OHTA modules:**
 - a. W506 Ergonomics Essentials
 - b. W504 Asbestos and Other Fibres
 - c. W502 Thermal Environment

We propose to offer one of the core occupational hygiene courses, **W507 module, "Health Effects of Hazardous Substances"** on our training agenda for 2021.

Who is this course for?

Working technicians and technologists in occupational hygiene, requiring the technical knowledge and hands-on practical training on principles in occupational hygiene.

Overall Objectives:

- To provide persons with the opportunity to increase competencies within specific individual fields of Industrial Hygiene.
- To provide persons with an opportunity to pursue the *International Occupational Hygiene Certificate (see below)*.

W507 Course Aims:

- To provide the student with an introduction to the principles of toxicology, physiology, and epidemiology. The course will cover the main types of harmful effects to target organs from exposure to chemical hazards at work, and the hazards associated with common hazardous substances.

W507 Course Learning Objectives:

On completion of this module, participants should have a basic understanding to:

- Provide definitions of commonly used toxicological terms.
- Describe the main routes by which hazardous substances can enter the body, and the factors which influence their absorption, distribution, storage, and elimination.
- Describe the main sources of information on hazardous substances and processes.
- Describe the main features of the principal target organs affected by hazardous substances at work, and the factors which influence the degree of harm.
- Describe the main routes of exposure and toxic and health effects for hazardous substances commonly encountered in the workplace.
- Carry out basic interpretation of the results from epidemiological studies.

Course Delivery:

The Module will be delivered fully virtually to cover a 40-hour teaching period as follows:

- **Day 1 – October 26th** 8:30am to 5:30pm
- **Day 2 – October 28th** 8:30am to 5:30pm
- **Day 3 – November 1st** 8:30am to 5:30pm
- **Day 4 – November 2nd** 8:30am to 5:30pm
- **Day 5 – November 4th** 8:30am to 12:30pm – Optional Review Day
- **Day 6 – November 5th** 8:30am to 12:30 pm – Exam Day

The classes are taught in small groups with workshops and exercises and are very interactive. Persons are additionally required to demonstrate that they can carry out basic practical assessments under the supervision of the course tutors. The BOHS exam will also be conducted online, fully virtually.

Course Certification:

Part A: Participants can opt to complete specific identified OHTA Modules suitable to their Job Descriptions, Manager's Requests or personal interests, or skill requirements.

On successful completion, the participant will receive:

- A participation certificate from ROSE/*Golder*, indicating completion of the course, regardless of passing the course exam; and
- A certificate of Award of Successful Course Completion from British Occupational Hygiene Society (BOHS) for the module, upon passing the proctored course examination.
- For participants also interested, attendance and successful completion can also earn 40 contact hours of formal Industrial Hygiene training towards qualification to sit for the Certified Industrial Hygienist (CIH) exam.

Part B: Participants who decide to complete all four (4) core modules and the two (2) optional modules will now be eligible to apply for the **International Occupational Hygiene Certification**. To pursue this, the participant is directed to: [International Certificate in Occupational Hygiene \(ICertOH\) - British Occupational Hygiene Society \(BOHS\)](#)

Once successful on obtaining the International Certificate, ICertOH, participants can now use this notation in their respective signature block.

2021 Proposed Course Dates

Course(s)	Dates	Costing TTD (VAT Exclusive)
OHTA Modules		
W507 Health Effects of Hazardous Substances	26th, 28th October and 1st, 2nd, 4th, 5th November	\$9,232 (with BOHS exam)
		\$7,443 (without BOHS exam)
W501 Measurement of Hazardous Substances	COMPLETED: July 13 th - 23 rd	\$9,232 (with BOHS exam)
		\$7,443 (without BOHS exam)
W201 Basic Principles in Occupational Hygiene	COMPLETED: February 24 th to 26 th	\$6,350 (with BOHS exam)
		\$4,561 (without BOHS exam)

Course Faculty

ROSE Environmental Limited hosts these OHTA courses with lecturer facilitation via *Golder Associates Inc.* of Jacksonville, Florida. *Golder* has been one of the first International Industrial Hygiene Consulting firms to be an approved training provider for all currently offered OHTA Courses.

The Training Program Director for the OHTA Courses offered by Golder in Trinidad through ROSE Environmental Limited is Mr. Andreas Wagner (M.Eng., CIH, ROH).

Mr. Andreas Wagner (M.Eng., CIH, ROH) is a Principal and Practice Leader for Industrial Hygiene services for Golder Associates. Mr. Wagner is responsible for the oversight of occupational health, safety and industrial hygiene services and the support of existing Golder Associates resources in these and related fields across the US, in North America, and Globally. He has over 30 years of consulting experience that includes expert witness testimony, hazardous materials control and abatement, microbial assessments and remediation, Legionella and infection control risk assessments, indoor air quality and odor evaluations, vapor intrusion studies, occupational hygiene compliance/management risk assessments and audits, and training.

Prerequisites for the course

More information about this course can be viewed online at www.ohlearning.com. Persons are advised to check the approved training materials in the training section, for free downloads. The Student Manual will also be provided to Registered Participants. Material should be read thoroughly before the start of the course.

Event Information:

Module: W507: Health Effects of Hazardous Substances

Date & Time: 26th, 28th October and 1st, 2nd, 4th, 5th November, 8:30am – 5:30pm
(40 hours course),
(4th November optional review day, 5th November exam day).

Venue: Fully Virtually including the BOHS Exam

Facilitators: Golder Associates Inc. - Mr. Andreas Wagner, M.Eng., CIH, ROH
With support from Projects and Technical Departments at ROSE
Environmental Limited

Cost Options: **TT \$9,232.00 or US\$1,358 .00 VAT exclusive**
Includes BOHS Exam

TT \$7,443.00 or US\$1,095.00 VAT exclusive
Exclusive of BOHS Exam

The costing covers all the fees necessary for course delivery, approval and individual attendee certifications, and hence represents a complete theoretical and practical course package.

Please see attached Module Description for W507: Health Effects of Hazardous Substances, along with the proposed Course Agenda, and the Registration Form.

Registration Forms should be filled out and emailed to garyt@roseenvironmental.net as soon as possible, no later than Monday 11th October 2021. Payment will also be due in advance on or before Monday 18th October 2021.

PLEASE NOTE, THERE WILL BE NO REFUNDS FOR CANCELLATIONS OF REGISTRATIONS FROM TUESDAY 19th OCTOBER 2021.

We look forward to hosting your company at this very important course and to the development of Occupational Health best practices in Trinidad and Tobago.

Sincerely,

Gary Teixeira

Gary Teixeira
CEO

cc. Elizabeth Seebaran, CIE – Application Specialist, Project Services
cc. Nadine Yearwood – Technical Assistant, Project Services