



Society for Chemical Hazard Communication

Professional Development Training

Fundamentals of Sustainable Chemistry and Engineering

Friday, September 21, 2012

Crystal Gateway Marriott Hotel
Arlington, Virginia

COURSE DESCRIPTION

This course is designed to be an overview of the principles of sustainable (or green) chemistry and engineering. Sustainability is relevant throughout the life cycle, but this course will focus on sustainability from a product EHS and hazard communication perspectives. The course will start with an understanding of the 12 Principles of Green Chemistry as originally published by Anastas and Warner and then focus on sustainable attributes of products. The course will then address the technical and regulatory aspects of an alternatives assessment and then address the communication of sustainable or green attributes. The understanding and skills developed in the course will better allow participants to participate in the assessment of sustainable attributes, decision about alternatives, and the communication of sustainable attributes.

This is an advanced course. While there are no formal prerequisites for this course, it is recommended that participants have a working knowledge of the principles of hazard, risk, and life cycle assessments. Participants should have taken the SCHC courses *Hazard Toxicology for Hazard Communication*, *Ecotoxicology for Hazard Communication*, and *Life Cycle Assessment* or at least be comfortable with the principles presented in these courses.

COURSE DIRECTOR:



Robert Skoglund, Ph.D., DABT, CIH

Dr. Skoglund is a Senior Laboratory Manager at the 3M Company. His primary responsibilities include corporate oversight of material EHS issues including global hazard communication and other applied and regulatory toxicology issues and programs.

COURSE INSTRUCTOR:



Ann Johnson, M.S.

Ann Johnson is a Senior Technical Supervisor at the 3M Company. In addition to supervising regulatory analysts and leading a team of product EHS regional coordinators, her primary responsibility is serving as the regional coordinator for Europe, the Middle East, and Africa. Her expertise is in European product EHS regulations and is part of the teams working on the implementation of GHS and REACH within 3M.

**COURSE
INSTRUCTOR:**



Nancy Walsh, Ph.D.

Dr Walsh is a Lead Regulatory Specialist at the 3M Company. In addition to consulting on the compliance with existing product EHS regulations, she has responsibilities to track, interpret, advocate, and prepare for the evolution of existing regulations and emergence of new ones. Areas of focus include consumer products, end-of-life responsibilities, safer alternatives, and green procurement.

**INTENDED
AUDIENCE**

Hazard communication professionals looking to broaden their role in product EHS from a narrow focus on hazard to the more comprehensive perspective of sustainability.

COURSE FEE:

\$250.00 MEMBERS
\$340.00 NON-MEMBERS

**COURSE
TOPICS
AND
SCHEDULE**

*Subject
to
change*

Friday, September 21, 2012

12:30 - 1:00	Registration
1:00 - 2:10	Introduction Overview of Sustainable Chemistry and Engineering 12 Principles of Green Chemistry
2:10 - 2:25	Break
2:25 - 3:35	Sustainable Attributes of Products (Hazard, Chemical Footprint, Energy, Water, Environmental Impact, and Materials)
3:35 - 3:50	Break
3:50 - 5:00	Communication of Sustainable Attributes Safer Alternatives and Green Procurement Regulations

REGISTRATION

- Admission to the course will be on a first come basis. Reserve space and obtain a registration number from the SCHC office by contacting Lori Chaplin at schc.lori@verizon.net or 703/658-9246. To avoid disappointment, do not send payment until a confirmation number has been obtained. Course fee is \$250.00 for SCHC Members and \$340.00 for nonmembers, and includes notebooks. Payment must be received by August 17, 2012 to secure your space. Space is limited.

TO REGISTER

- Fill out the registration form located on SCHC's website: <http://www.schc.org>
- SCHC accepts checks, Visa, MasterCard and American Express.

**CANCELLATION
POLICY**

- No refunds will be given after August 17, 2012. No one will be admitted to the course unless all fees have been paid in advance. Substitutions are permitted. Every effort has been made to ensure the information in this brochure is accurate. SCHC reserves the right to modify this course without prior notice or to cancel the course 30 days prior to the course date. In the event this course is canceled, SCHC's obligation is limited to a full refund of the course fee.

HOTEL ACCOMMODATIONS

- Arrangements have been made for a block of rooms at the Crystal Gateway Marriott Hotel, 1700 Jefferson Davis Highway, Arlington, Virginia 22202 (703/920-3230). The rate is \$179/night through August 17, 2012. You must identify yourself with SCHC when making reservations – group code sccscca.