



Society for Chemical Hazard Communication
Professional Development Training

**Characterizing Industrial Operations to Support Hazard
Communication and Regulatory Submissions for New Chemical
Notifications in the US**

Monday, March 30, 2020
Charlotte Marriott City Center – Charlotte, North Carolina

Course Description

The focus of chemical regulation in the US is to identify risks posed by the manufacturing, processing, use and disposal of chemicals in commerce. Risk is a function of both the inherent toxicity and exposure potential of a chemical. When conducting risk assessments for industrial chemicals, a significant focus is placed on modeling the exposures and releases from industrial operations to identify appropriate engineering controls and necessary personal protective equipment to inform hazard communication and characterize risk. This course will exhibit chemical supply chains and lifecycle analysis with a hands on demonstration of the US EPA software program ChemSTEER used to model worker exposures and environmental releases to support new chemical notifications under TSCA Section 5. The course will include background information on the assessment of exposure within the risk assessment context and present a case study for participants to demonstrate the types of details to provide regulatory authorities and include under various sections of the safety data sheets.

Course Objective

The course will educate participants on the importance of communicating details of industrial operations to regulatory authorities and show attendees how those details impact the identification of personal protective equipment and engineering controls, impacts downstream exposure potential and informs the overall risk assessment and potential regulatory outcomes. Attendees are encouraged to have laptops available with the US EPA freeware tool ChemSTEER installed prior to the workshop to take full advantage of the hands-on session.

Intended Audience

HSE and regulatory professionals looking to strengthen their knowledge of regulatory exposure assessment and gain insight into the development of worker exposure, PPE, engineering controls, and hazard communication information. The course material is designed for attendees of all scientific backgrounds, but participants should have some knowledge or experience in chemical regulation or risk assessment.

Course Fee: \$275.00 members // \$365.00 non-members

Course Director / Instructor



Kelly E. Mayo-Bean

Kelly Mayo-Bean is a Senior Regulatory Scientist at knoell USA. Prior to joining knoell USA, Kelly spent 15 years at the U.S Environmental Protection Agency's Office of Pollution Prevention and Toxics serving as a technical expert on predictive models to assess concerns for industrial chemicals. Kelly helped develop the Sustainable Futures training program to educate stakeholders on the U.S. new chemical review process and use of EPA predictive methods and also participated in numerous international activities including development of the OECD QSAR Toolbox. In 2015 Kelly became Associate Branch Chief in the Risk Assessment Division, focusing on scientific assessments for new chemicals and acting as Division liaison to the Chemical Control Division responsible for issuing regulatory actions on new and existing chemicals.



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Course Topics and Schedule (Subject to Change)

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7:30 – 8:00 Registration / Continental Breakfast provided

Evaluating Industrial Operations and Environmental Releases

8:00 – 9:30

The instructor will discuss the principles of chemical lifecycle analysis and exposure assessment and provide direction on developing industrial operation diagrams to include manufacturing, processing, and commercial use and introduce methods to characterize the impact to workers and the environment from those activities. A case study will be presented to outline the appropriate level of detail needed to characterize potential exposures.

9:30 – 9:45

Break

US EPA ChemSTEER Hands-On Session

9:45 – 12:00

The instructors will lead a hands-on session with the US EPA software to show participants how the information provided to the US EPA is used to develop an exposure assessment, identify the most important information elements in the exposure modeling process, and inform the use of PPE recommendations and engineering controls.

Registration

Admission to the course will be on a first come basis. Payment must be received by February 21, 2020, to secure your space. Space is limited.

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 February 21, 2020. 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 [Charlotte Marriott City Center](#) – 100 West Trade Street, Charlotte, North Carolina – 704-333-9000. The rate is \$179/night single or double occupancy through March 6, 2020. You must identify yourself with SCHC when making reservations.