

Applied QRA and Facility Siting Using SuperChems™

October 13-14, 2009 | Houston, TX

Instructor: N. Prophet



Overview

Topics

- ✓ Consequence Analysis, Facility Siting & QRA Concepts
- ✓ SuperChems QRA Objects
- ✓ Source Term Models
- ✓ Dispersion Models
- ✓ Fire Models
- ✓ Explosion Models
- ✓ Generating QRA Results
- ✓ Hands-On Examples

Participants

This course is particularly suited to beginner, novice, or infrequent SuperChems users that are involved in Process Safety, Risk Analysis, or Facility Siting.

Course Materials and Fee

Attendees will receive presentation summaries, exercises, and data for techniques currently employed in QRA and Facility Siting.

Fee: \$600

Fees for course include lunch and refreshments. They do not include hotel accommodations or travel, which are each participant's responsibility.

Course Outline

DAY 1

8:30 AM - 10:00 AM
INTRODUCTION
ioMosaic Corporation
SuperChems Expert
Consequence Analysis

10:00 AM - 10:15 AM
BREAK

10:15 AM - 12:00 PM
SUPERCHEMS QRA OBJECTS
Site / Map Definition
Spill Surface
Damage Criteria
Mixture Definition

12:00 PM - 1:00 PM
LUNCH

1:00 PM - 2:30 PM
SUPERCHEMS QRA OBJECTS
Scenario Definition
Use of Streams

2:30 PM - 3:00 PM
SOURCE TERM MODELS

3:00 PM - 3:15 PM
BREAK

3:15 PM - 3:45 PM
SOURCE TERM MODELS

3:45 PM - 4:30 PM
DISPERSION MODELS

DAY 2

8:30 AM - 9:30 AM
FIRE MODELS

9:30 AM - 10:15 AM
EXPLOSION MODELS

10:15 AM - 10:30 AM
BREAK

10:30 - 12:00 PM
GENERATING QRA RESULTS
Types of Results
Facility Siting Application

12:00 PM - 1:00 PM
LUNCH

1:00 PM - 3:00 PM
HANDS-ON EXAMPLE

3:00 PM - 3:15 PM
BREAK

3:15 PM - 4:00 PM
HANDS-ON EXAMPLE

4:00 PM - 4:30 PM
Q & A

About your Instructor

Mr. Neil Prophet

Neil Prophet is a Senior Partner with ioMosaic Corporation and Manager of their Houston office. He has ten years experience in the field of Process Safety and has worked in a variety of process safety roles including consulting, technical support, technical sales, and training.

His current responsibilities within ioMosaic Corporation include performing Emergency Relief System Design Studies and conducting Quantitative Risk Analysis studies. Since joining ioMosaic Neil has been helping companies address increasingly demanding Emergency Relief System Design and Documentation Standards by providing site-wide solutions, training in the use of ioMosaic's SuperChems™ software, and corporation-specific Practical Relief System Design Training.

Mr. Prophet holds a Bachelor of Engineering in Chemical Engineering and a Postgraduate Diploma in Energy Systems & the Environment; both from the University of Strathclyde.



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Enrollment Information

Enrollment for each course is limited. We suggest you register as early as possible. Please fill out the registration form online at: www.iomosaic.com. We accept payment by check, credit card, or company purchase order.

Telephone or fax reservations will also be accepted.

These training courses are designed to enhance the skills of professionals with new responsibilities and include proprietary ioMosaic material.

Times

Course registration and check-in begin one half hour before start time on the first day of each course. Each day, this course will typically run from 8:30 a.m. to 5:00 p.m.

Cancellations

Please notify us of cancellations in writing as soon as possible. Cancellations within two weeks of the course date are subject to a charge of 50% of the registration fee. If you fail to notify us of your cancellation before the course begins, you will be responsible for the full fee. There is no charge for substitutions.

Location and Lodging

A one-day course will be held October 13-14, 2009 at ioMosaic's Houston Office, 2401 Fountain View Drive, Suite 850, Houston, TX 77057, Tel: 713.490.5220. Please contact our Educational Services at 603.893.7009 to learn which hotel will be available for each course. Participants are responsible for making their own hotel reservations.

About ioMosaic

ioMosaic Corporation is a leading provider of process safety and risk management technology consulting services and software solutions. Our areas of expertise include runaway reactions and pressure relief design, consequence and risk analysis, fire and explosion dynamics, incident investigation, litigation support, training, mitigation design, hazard evaluation, and model development.

Contact Us

Contact us by email: support@iomosaic.com, by fax: 603.251.8384 or by phone at: 603.893.7009.

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