

Registration Form

Yes! Sign me up for:

- Blast Resistant Design (gwu)
Oct 4 — 8, 2010

Price
\$1,980

Name _____

Company Name _____

Mailing Address _____

City, State Zip _____

Phone _____ Email _____

Method of Payment: (payable to BakerRisk)

- Check Visa
 Bill Me MasterCard

PO # _____

Credit Card # _____ Exp. date _____

Signature _____

Payment must be received before course begins.

To register, return this completed form with
your payment to:

Erin Mott

Baker Engineering and Risk Consultants, Inc.

11000 Richmond Ave, Suite 350

Houston, TX 77042

Tel. (281) 822-3100

Fax. (281) 822-3199

BakerRiskTraining@BakerRisk.com

Registrants will receive a written confirmation
on receipt of payment. **Do not travel without
a written confirmation!**

Call for substitution and cancellation policies

Baker Engineering & Risk Consultants, Inc.
360 N. Sepulveda Blvd. #1090
El Segundo, CA 90245



BLAST RESISTANT STRUCTURAL DESIGN

Oct 4—8, 2010
(Monday - Friday)
8:30 am - 4:30 pm

Offered by:



Baker Engineering & Risk Consultants, Inc.
360 N. Sepulveda Blvd. #1090
El Segundo, CA 90245

www.BakerRisk.com

Course Summary

BLAST RESISTANT STRUCTURAL DESIGN

Oct 4–8, 2010

This course acquaints practicing engineers with procedures used in the analysis and design of structures subjected to loads from accidental and terrorist explosions. Explosion effects from vapor clouds and high explosives will be addressed. The course content will be based on commonly used references for blast resistant design including the U.S. Army Unified Facilities Criteria UFC 3-340-02 (TM5-1300), *Structures to Resist the Effects of Accidental Explosions (2008)* and the recently revised American Society of Civil Engineers (ASCE) publication, *Design of Blast Resistant Buildings in Petrochemical Plants*® (2010), and *Structural Design for Physical Security*® (1999).

Course Location

BakerRisk
360 N. Sepulveda Blvd.
El Segundo, CA 90245

Course Fee

\$1,980

Fee includes a copy of all course notes, design/analysis software, and lunch daily.

Accommodations are not included. Participants will receive a certificate of completion at the end of the course.

Course Content

- Overview of Blast Effects and Security Criteria
- Introduction to Dynamic Response
- Dynamic Material Properties
- Allowable Response Criteria
- Steel Framed Structures
- Reinforced Concrete Structures
- Reinforced and Un-reinforced Masonry Structures
- Applications of Non-Linear Dynamic Finite Element Analysis
- Windows and Doors

The course is structured with lectures, example problems, and discussions. The SBEDS* software analysis tool developed by BakerRisk for the U.S. Army CoE Protective Design Center will be used extensively during the course.

*Single Degree of Freedom Blast Effects Design Spreadsheet

BakerRisk Course Instructors

James W. Wesevich, P.E., S.E.

Donald E. Ketchum

Michael A. Polcyn

David D. Bogosian, P.E.
(Course Manager)

About BakerRisk

Baker Engineering and Risk Consultants, Inc. (BakerRisk) is an internationally recognized engineering firm specializing in blast effects and the response of structures to dynamic loads. Since its formation in 1984, BakerRisk has been dedicated to advancing these technologies and enhancing its capabilities through research and development. The knowledge and experience of BakerRisk's engineering team has been applied to the analysis and design of a wide variety of petrochemical and explosives handling facilities.

The lectures for this course are based on BakerRisk's substantial experience, which includes a wide spectrum of testing, development, analysis, and design projects.

For further information on the course, please contact the registration coordinator:

Erin Mott
Baker Engineering and Risk Consultants, Inc.
11000 Richmond Ave, Suite 350
Houston, TX 77042
Tel. (281) 822-3100
Fax. (281) 822-3199

BakerRiskTraining@BakerRisk.com



www.BakerRisk.com