



Design and Siting of Facilities

Wednesday 28 October 2009

VENUE CHANGE – ONE PORTLAND PLACE, LONDON, W1B 1PN

[Baker Engineering and Risk Consultants, Inc.](#) (BakerRisk), the [European Process Safety Centre](#) (EPSC), and [Willis Energy](#), a division of Willis Group Holdings (NYSE:WSH), the global insurance broker and risk intermediary, have organised a workshop on the design and siting of fixed and portable process plant buildings. The agenda below gives a short summary of each of the key presentations.

Arrival & Registration	08:30
Welcome and Administrative Details	09:00
Introduction to Industry Standards - Quentin A Baker, BakerRisk The standards developed and adopted in the United States will be introduced along with a short history of their evolution. A comparison of standards for permanent versus temporary buildings will also be provided.	09:30
Understanding Explosions - Quentin A Baker, BakerRisk The session will discuss the different types of explosions and methods for assessing the severity of the explosion. Vapor Cloud Explosions will be the center of the discussion with information presented on how to assess the levels of fuel reactivity, congestion, and confinement. The interaction of explosion scenarios with fire and toxic scenarios will also be addressed.	10:00
Structural Response of Buildings - Raymond H Bennett, BakerRisk The response of structures to blast loads will be discussed as will correlations between building damage and occupant vulnerability. Various models for predicting blast damage will be addressed as will different response criteria.	11:00
Occupied Building Risk Assessment - A UK Regulatory View Mark Bishopp, Health and Safety Executive The development of the regulatory position in the UK will be described with highlights of the challenges and successes associated with key regulatory issues.	12:00
Siting Requirements for Permanent and Portable Buildings - Raymond H Bennett, BakerRisk The requirements of the American Petroleum Institute (API) Recommended Practice RP-753 (Siting of Temporary Buildings) and the pending revision of API RP-752 (Siting of Permanent Buildings) will be discussed in detail. The siting of portable buildings has specific limitations on the personnel who may be allowed in these buildings and minimum standoff distances for some types of portable buildings. The siting of permanent buildings may be performed using either a risk based or consequence based approach; however the pending document has specific limitations on both approaches.	13:30
Consequence Modeling & Risk Analysis - Robert J Magraw, BakerRisk This session will describe the components and development of both consequence and risk based analyses and the effective identification and evaluation of improvements from the study results.	15:30
Summary and Panel Discussion	16:30
Finish	17:00

Registration and Information

For enquiries and to register for the Workshop, please contact Sam Atkinson or Lee Allford via telephone on +44 1788 534418 or email satkinson-epsc@icheme.org, or follow the link for [online registration](#). We reserve the right to cancel or alter the programme.