



ASHRAE SATELLITE BROADCAST HOMELAND SECURITY FOR BUILDINGS

Sponsored by the
American Society of Heating, Refrigerating
and Air-Conditioning Engineers
Presidential Ad Hoc Committee
on Homeland Security
with support from the
Alfred P. Sloan Foundation

**Wednesday, April 14, 2004
Noon – 3 p.m. EST**

Terrorist attacks targeting the built environment are a critical and compelling issue to the nation, especially to building designers, owners and managers and first responders.

Multiple hazards and threats intersect within a building, and critical questions concerning the danger of chemical, biological or radiological (CBR) attacks remain. This broadcast will address questions of design, construction and operation of buildings. The primary goal is to address the key issues related to building protection from CBR incidents and draws heavily from ASHRAE's most credible and timely reports and publications.

This free broadcast from the studio of WETA public television in Washington, D.C., is intended to reach a cross-section of professionals, including engineers, architects, building owners and managers, fire, police, medical responders, public safety officers, risk managers and other key personnel.

DVDs will be produced and made available for sale and for use by ASHRAE chapters.

**Information on downlink sites is available on [ASHRAE.org](http://www.ashrae.org).
Please check periodically for updated downlink locations.
<http://www.ashrae.org/template/AboutLinkLanding/category/1561>**

Segment One—Noon EST

- **Keynote**
D.A. Henderson, M.D., M.P.H.
Founding Director of the Center
for Civilian Biodefense Studies,
Johns Hopkins Bloomberg School of Public Health
Former Director of the World Health Organization
Global Smallpox Eradication Campaign
The Threat to Building Occupants
- **Welcome and ASHRAE Views**
Richard H. Rooley, FREng., ASHRAE President
ASHRAE’s role in Homeland Security and the purpose
of this broadcast
- **January 2003 ASHRAE Report Summary and
Building Codes and Standards**
Lawrence G. Spielvogel, P.E.
ASHRAE reports and Homeland Security-related codes
and standards
- **HVAC and Refrigeration Systems**
William J. Coad, P.E.
Homeland Security issues related to design and opera-
tion of HVAC&R systems in existing and new buildings

Segment Two—1:30 P.M. EST
Protecting Buildings from CBR and Associated Threats

- **Ventilation and Pressurization**
Andrew K. Persily, Ph.D.
Design and operation of HVAC ventilation and pressur-
ization systems to protect occupants
- **Filtration and Air Cleaning**
H.E. Barney Burroughs
Design, operation and maintenance of filtration systems
and application in refuge areas
- **Personal Protection**
Ralph F. Goldman, Ph.D.
Personal CBR protective systems and equipment and
their effectiveness

Questions—Ronald P. Vallort, P.E.
Phone, fax or email questions during the broadcast only to:
WETA Toll-free telephone: 1-888-493-9382
FAX: 703-998-2706
E-mail: videoconference@weta.com

How To Register Sites

100 PAOE Points are awarded to ASHRAE chapters that host this broadcast.

Group Name: _____

Contact Person: _____

Address: _____

Phone: _____ **Email:** _____

Where is downlink site located: _____

Room Capacity: _____ **Open to the Public?** _____

Special Security? _____

WETA’s “trouble number” in their transmission control room for satellite viewers on the day of the program will be 703-998-2675. WETA can provide only limited help at that time due to the variety of different models of satellite receivers. Anyone who does not know how to tune their satellite dish at all should contact the person who installed their system prior to April 14 for instructions on how to tune into the correct satellite and channel.

The broadcast will shown on the following satellite channels:

Wednesday, April 14, 2004
Test time: 11:30 a.m.-noon
Live program: Noon-3 p.m.
(3.5 hours total time on each satellite)

Ku-band satellite information:
AMC-9, Transponder K15
85 degrees west
Downlink frequency: 12000 Vertical
Audio: 6.2 and 6.8

C-band satellite information:
AMC-3, Transponder C19
87 degrees west
Downlink frequency: 4080 Horizontal
Audio: 6.2 and 6.8

Fax this form to ASHRAE’s Washington Office at 202-833-0118
or
Email to: patriciaryan@ashrae.org

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