

Henri Fennell, CSI/CDT

Henri is an architect and building envelope specialist with over forty years of experience in the construction industry. He was a pioneer in the solar industry, introduced the installation technique for field-applied closed-cell cavity-fill polyurethane foam, developed a pressurized theatrical fog quality assurance technique and protocol, and has designed and constructed a net-zero energy research structure in Antarctica. He has four energy-Related U.S. patents.



Bristol Community College, 777 Elsbree Street, Fall River, MA 02720, 1:30 – 4:00

INSULATE RIGHT: Workshop on Safe Insulation for Homes and Buildings

Quality Assurance and Safety in Spray Foam

By: Henri Fennell, CSI/CDT
HC Fennell Consulting, LLC

The MA Office of Technical Assistance and Technology
The Executive Office of Energy and Environmental Affairs

**Quality Assurance and Safety
in Spray Foam****Copyright Materials**

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Introductions

1. Introductions all around
2. Don't forget:
 - Sign-up sheet
 - Resources on the web site
 - HCF Business cards in back

Building Science and Polyurethane Foam Bibliographies
<http://polyurethanefoamconsulting.com/education-training/>

Also see the March 2012 JLC article "Avoiding Problems with Spray Foam"

Net-zero energy in Antarctica in 2007

Resources & information

Web site - www.hcfennellconsulting.com

- Resources (20+ pages of bibliography)
- Planning foam projects
 - How to select foam products
 - How to select foam contractors
 - Special foam applications
- Diagnostics and quality assurance techniques
- Technical resources by category - Building science, foam, safety, quality control, products, etc.
- Sample completed projects with details
- Foam industry commissioning services available

Program choices:

- Foam review
 - General intro to foam
 - Foam Installation methods
- Codes and Foam
 - Codes overview
 - Test methods used for compliance
 - Gray areas in the codes
 - Fire protection requirements
 - Specific building locations
- Hazards/Safety
 - Protect the site
- Foam Problems
 - Why are there so many foam problems?
 - What are the causes of foam problems/failures?
 - How do we prevent foam-related problems?
 - Diagnosing foam problems
- Remediation options and protocols
 - Repair and stabilize
 - Remove and replace