

DARPA Operational Immune Building Opens

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A ribbon-cutting ceremony for the first operational immune building (IB) was conducted on 11 October 2006 at Fort Leonard Wood, Missouri. The new IB is equipped with sensor and filtration systems designed to protect building occupants from the full spectrum of chemical and biological agents. The IB, installed in Nord Hall, is the first demonstration of an integrated protection system in an occupied building under real-world operating conditions. The completion of the Defense Advanced Research Projects Agency (DARPA)-led IB effort represents a major milestone in building protection and decontamination efforts.

The DARPA IB Program is a research effort to develop, integrate, and demonstrate building protection systems against chemical and biological warfare agent attacks. The program is spearheading advancement in building protection research and design.

Plans are ongoing for Fort Leonard Wood to maintain ownership of the IB and conduct follow-on testing, operations, and maintenance. The U.S. Army Chemical School is considering the possibility of using the system as a test platform for future technology development and training.

The implementation of future IB systems will make military buildings (such as barracks, offices, and command and control centers) less desirable targets for terrorist attacks. 🐉

Desired IB Objectives

- **Protect human occupants by minimizing the spread of aerosolized agents.**
- **Rapidly decontaminate and restore buildings to function.**
- **Preserve forensic evidence.**



Submitting an Article to *Army Chemical Review*



Articles may range from 2,000 to 4,000 words. Send a paper copy along with an electronic copy in Microsoft Word on a 3½-inch or compact disk to *Army Chemical Review*, 464 MANSCEEN Loop, Suite 2661, Fort Leonard Wood, Missouri 65473-8926 or e-mail <acr@wood.army.mil> with “Submit an Article” in the subject line.

Contributors are encouraged to include black-and-white or color photographs, artwork, and/or line diagrams that illustrate information in the article. Include captions for any photographs submitted. If possible, include photographs of Soldiers performing their missions. Hard-copy photographs are preferred, but we will accept digital images in TIF or JPG format originally saved at a resolution no lower than 200 dpi. Please do not include the images in the text. If you use PowerPoint, save each illustration as a separate file and avoid excessive use of color and shading in graphics and slides. Please do not send photographs embedded in PowerPoint or Microsoft Word documents.

Articles should come from contributors with firsthand experience of the subject being presented. Articles should be concise, straightforward, and in the active voice. Any article containing information or quotations not referenced in the text should carry appropriate endnotes.

Include your full name, rank, current unit, and job title. Also include a list of your past assignments, experience, and education and your mailing address, fax number, and commercial daytime telephone number. **Include a statement from your local security office stating that the information contained in the article is unclassified, nonsensitive, and releasable to the public.**

All submissions are subject to editing.