

Baltimore District's Regional Center of Expertise for Fire Protection Engineering provides fire protection engineering design and technical support services within the project management business process. The Center of Expertise was established in 2008, but has been providing regional technical support since 2001.

Specific expertise includes:

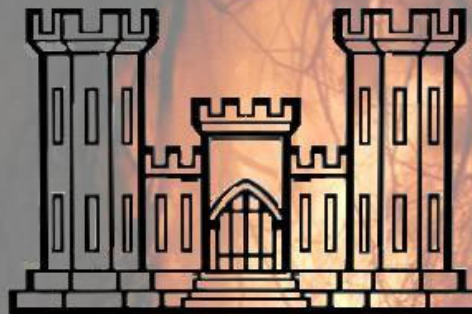
- NFPA Life Safety Code Compliance Analysis
- Fire Hazard Identification and Classification
- Occupancy Classification
- Fire Alarm and Notification System Design
- Fire Suppression System Design (Aqueous and Non-Aqueous Systems)
- Mass Notification System Design
- Integration of Modern Fire Alarm, Suppression, and Notification Systems in Renovations of Existing and Historic Structures
- Computational Fluid Dynamics (CFD) Fire Modeling/Simulation

Mission areas supported includes:

- Military Construction
- OMA Funded Renovations
- A-E Design Reviews
- Design-Build Compliance Reviews

Customers include:

- NAD Districts - Norfolk, New York, Philadelphia, Europe, and New England
- Fort Meade, Fort Detrick, Aberdeen Proving Grounds, Fort Belvoir, Fort McNair, and Fort Myer
- All of the mission and functional areas within the Baltimore District



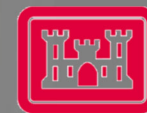
**US Army Corps of Engineers
North Atlantic Division**

**REGIONAL CENTER of
EXPERTISE
for
FIRE PROTECTION
ENGINEERING**

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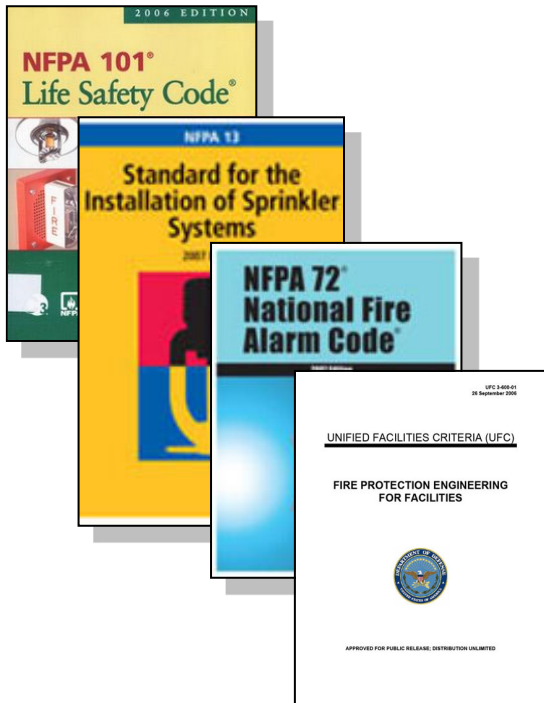
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**US Army Corps
of Engineers**



US Army Corps of Engineers

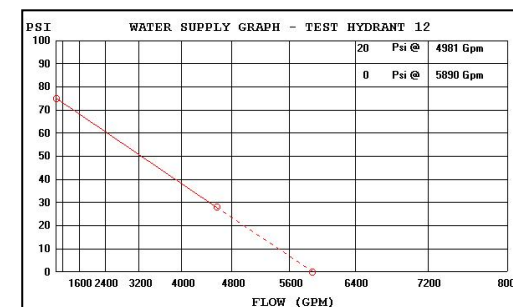


North Atlantic Division Regional Center of Expertise for Fire Protection Engineering

"Engineering Solutions for Fire Protection"

Examples of Fire Protection products and services include:

- Hydrant Flow Testing and Water Supply Analysis
- Occupancy Classification and Hazard Identification
- Coordination with Project Architects and Engineers on Life Safety and other NFPA Code Compliance Issues
- Design of Fire Protection Systems, including Alarm, Suppression, and Mass Notification Systems
- Engineering Assistance During Construction on Fire Protection Related Issues
- Surveying Existing Conditions on Renovation Projects
- Coordination with Local AHJs



Military Construction Projects

The NAD FPE RCX provides engineering support as a member of the design team on in-house design projects. The RCX also provides Independent Technical Review capabilities on A-E Designs, and Compliance Review capabilities on Design-Bid-Build Projects

Renovation Projects

The NAD FPE RCX provides engineering support on Renovation Projects throughout the NAD footprint. These projects often offer significant challenges to the fire protection engineer, but the RCX consistently meets these challenges in innovative and creative ways.

Code Compliance

The NAD Fire Protection Engineering Regional Center of Expertise provides design review, input, and execution in compliance with all applicable codes, criteria, and standards. FPE RCX also coordinates any fire protection design or construction issues with the appropriate Authorities Having Jurisdiction

