

# Regulatory Compliance

**TetraTek, Inc. is extensively involved in the policy-making process in the development of National Consensus Codes and Standards and regulatory requirements throughout the industry.**

TetraTek's personnel are well versed interfacing with Regulatory Compliance Enforcement Authorities. TetraTek, Inc. has the expertise to ensure your Fire Protection Programs, processes/projects and facilities meet regulatory requirements for the following:

- U.S. Department of Energy (DOE)
- U.S. Department of Defense (DOD)
- U.S. Nuclear Regulatory Commission (NRC)
- Universities & Colleges (Academic)
- Occupational Safety & Health Administration (OSHA)
- National Fire Protection Association (NFPA)
- International Fire/Building Codes (IFC and IBC)
- Code of Federal Regulations (CFR)
- National Consensus Codes and Standards Compliance
- Code Analysis
- Fire Protection Programs
- Deficiency Identification & Noncompliance Resolution

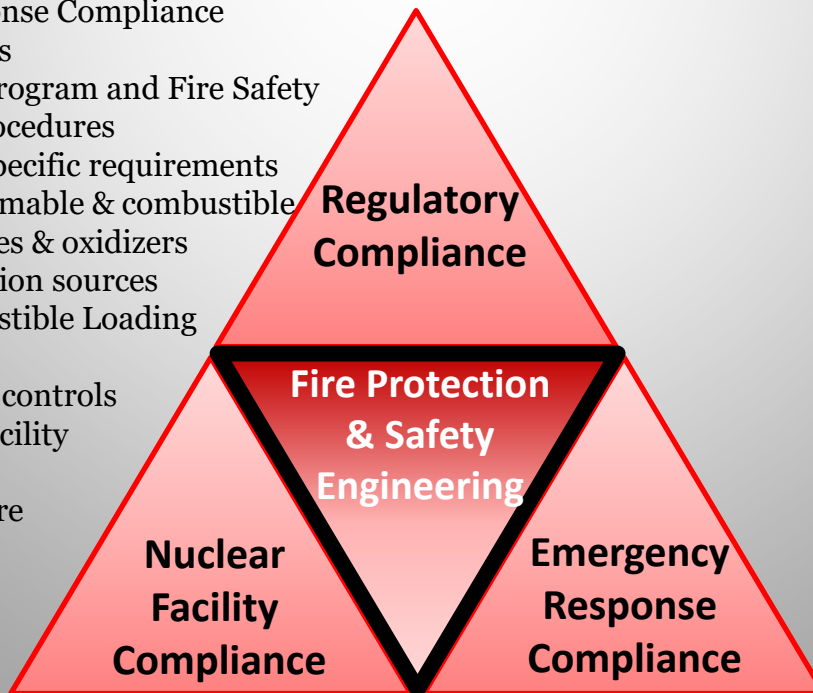


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## Fire Protection Programs

TetraTek, Inc. has in-depth experience evaluating, developing, implementing and managing (if applicable) comprehensive Fire Protection Programs and/or evaluating, revising and updating existing Fire Protection Programs. A compliant Fire Protection Program will meet the fire safety policy objectives of the Organization, Regulator and/or Authority Having Jurisdiction. As NFPA Technical Committee Members, not only does TetraTek, Inc. interpret National Consensus Codes and Standards, we also develop them through the policy making process (we write the codes). The industry standard Fire Protection Program includes:

- Overall Directive and Management Policies
- Conformance to National Consensus Codes and Standards & Regulatory Requirements
- Staff organization, training and responsibilities
- Fire Protection Engineering Analyses and Assessments, including Fire Hazards Analysis
- Design review program
- Inspection, Testing & Maintenance Requirements for Fire Protection Systems and Equipment including Systems Engineering requirements
- Impairment Process and Compensatory Measures
- Emergency Response Compliance
- Pre-Incident Plans
- Fire Prevention Program and Fire Safety Implementing Procedures
  - Organization specific requirements
  - Control of flammable & combustible liquids and gases & oxidizers
  - Control of ignition sources
  - Facility Combustible Loading (CL) Program
  - Administrative controls
  - Documented facility inspections
  - Construction fire safety
- Water supply requirements
- Site specific requirements



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## Code Analysis

As former regulators, TetraTek, Inc. industry consultants have in-depth experience performing Code Analyses for Facilities, Fire Protection Programs and Processes throughout the industry determining conformance to National Consensus Codes and Standards and Regulatory Requirements. As NFPA Technical Committee Members, not only does TetraTek, Inc. interpret National Consensus Codes and Standards, we also develop them through the policy making process (we write the codes). Additionally, TetraTek, Inc. staff have the knowledge and are successful utilizing alternative approaches and innovative solutions (Code Equivalency Process) to meet the regulatory intent. This Code Equivalency Process is then formulated to meet the objectives of the Organization, Regulator and/or Authority Having Jurisdiction.

As NFPA Technical Committee Members on several pertinent National Consensus Codes and Standards, TetraTek, Inc. interpretations are well received by Organizations, Regulators and Authorities Having Jurisdiction. TetraTek, Inc. personnel are NFPA Technical Committee Members on the following NFPA National Consensus Codes and Standards:

NFPA 801, Standard for Fire Protection for Facilities Handling Radioactive Materials for U.S. DOE Nuclear Facilities and Enrichment Facilities (Fuel Cycle Facilities)

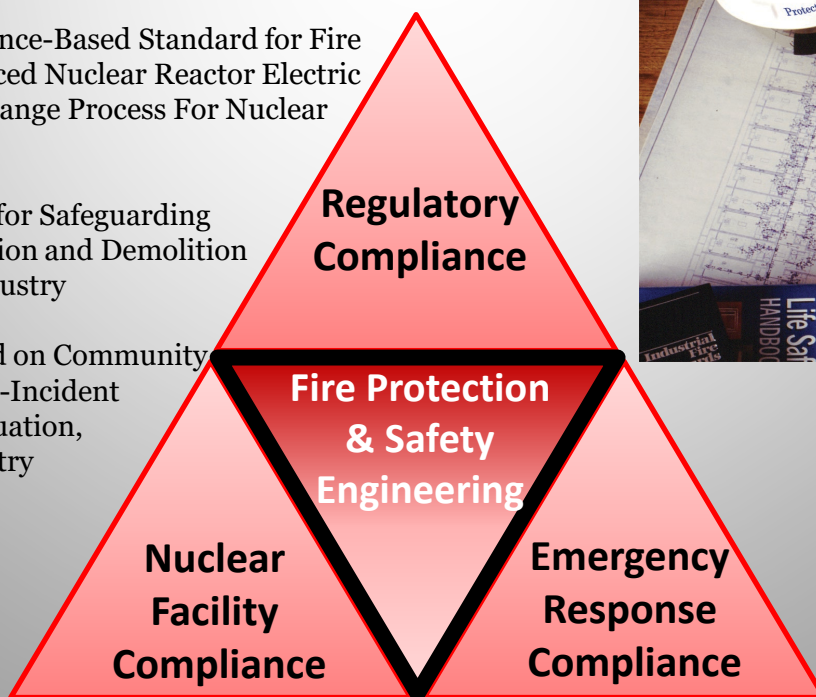
NFPA 805, Performance Based, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants for Nuclear Power Plants as an alternative to 10 CFR 50, Appendix R

NFPA 804, Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants for Nuclear Power Plants

NFPA 806, Performance-Based Standard for Fire Protection for Advanced Nuclear Reactor Electric Generating Plants Change Process For Nuclear Power Plants

NFPA 241, Standard for Safeguarding Construction, Alteration and Demolition Operations for all industry

NFPA 1660, Standard on Community Risk Assessment, Pre-Incident Planning, Mass Evacuation, Sheltering and Re-entry Programs for all industry



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# **Regulatory Compliance** **Deficiency Identification &** **Noncompliance Resolution**

TetraTek, Inc. has expertise providing Deficiency Identification and Noncompliance Resolution on facilities and programmatic related issues ensuring the life safety of personnel and that the protection features of the facility adhere to requirements of National Consensus Codes and Standards.

The following proven TetraTek, Inc. methodology will ensure each and every issue entered into the Organizations corrective action system is effectively documented and can be effectively managed through the following:

- STEP 1:** Identification and/or validation of issue/noncompliance (field walkdowns, research and interviews)
- STEP 2:** Prioritize and group into disciplines
- STEP 3:** Effective illustration of issue/noncompliance and coordination with facility managers, maintenance contractors and corrective action coordinators, etc.
- STEP 4:** Documented evidence file and code or record
- STEP 5:** Status resolution

In summary, TetraTek, Inc. can provide Deficiency Identification and Noncompliance Resolution with:

- Complete issue management and coordination (identification through resolution status)
- Equivalency and exemption request support
- Issue evidence file (effective audit trail that provides sufficient closure resolution)
- Proven methodology providing cost effective solutions to corrective action backlogs

