

DEFENSE DISTRIBUTION DEPOT

Susquehanna, PA :LOCATION
Gannett Fleming, Inc. :CLIENT

PROJECT SERVICES PROVIDED BY

KOFFEL ASSOCIATES

- Fire Alarm System Survey and Design
- Fire Sprinkler System Survey and Design
- Construction Administration

PROJECT SPECIFICS

Total Area: 3.7 Million Sq Ft

Construction Cost: \$3.5 Million



Koffel Associates provides a variety of fire protection engineering services to support DDSP functions. Our working relationship was established six years ago.

Defense Depot Susquehanna, Pennsylvania (DDSP) is part of the largest Department of Defense wholesale distribution depot in the United States. Situated on 850 acres, facilities within the installation include over 200 buildings, ranging from day-care use to large warehouses.

Fire Alarm System Survey and Design

Past projects include a base-wide upgrade of the 100 mA fire alarm reporting system to a two-way radio frequency reporting system as well as complete upgrades of individual fire alarm systems in approximately 40 buildings. A second project consisted of fire alarm system upgrades to Building 2001, the main 1.7 million sq ft distribution center.

Our scope of work included:

- Survey of the entire campus
- Analysis of the existing fire alarm systems
- Development of design documents and specifications in accordance with UFC 3-600-01, NFPA 72, and ADAAG
- Creation of demolition drawings
- Design of upgrades for existing non-NFPA 72 compliant fire alarm systems
- Development of performance specifications
- Creation of cost estimates
- Provided fire alarm witness testing

Suppression System Survey and Design

A current project at DDSP involves the replacement of the existing dry pipe fire sprinkler systems within the 240,000 sq ft Building 54, originally constructed as a warehouse and later converted to an office building. Our current project involves demolition and installation of a new dry pipe sprinkler system, correcting the deficiencies of the existing system.

Our scope of work includes:

- Survey of the building, including above ceiling spaces
- Water supply testing and analysis
- Creation of demolition drawings
- Development of design synopsis for system installation
- Development of design documents and specifications in accordance with UFC 3-600-01 and NFPA 13
- Creation of cost estimate
- Perform progress surveys
- Witness acceptance testing

