

Summary of Modifications/Changes in this Update

This Summary of Changes is for information only.
It is not a part of the referenced document, and should not be used for project documentation.

U.S. Department of Veterans Affairs ♦ Office of Construction & Facilities Management

DATE OF THIS VERSION:

May 1, 2015

TITLE OF DOCUMENT:

Clean Agent Fire Suppression Systems, 21 22 00

DATE OF VERSION BEING SUPERSEDED (old):

Not applicable this is a new spec. section

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

Not applicable this is a new spec. section

SUMMARY OF CHANGES IN THIS VERSION:

1. Created new Specification specifically for Clean Agent Fire Suppression Systems. The new clean agent specification is written based on protecting an occupied Information Technology (IT) data center with a clean agent suppression system in accordance with NFPA 2001. The performance requirements in the specification relative to No Observable Adverse Effects Levels (NOAEL) [written for human occupancy], global warming potential (GWP), and ready availability of the clean agent in the USA will allow FK-5-1-12 (Novec 1230), HFC-227ea (FM-200) and IG 541 (Inergen) clean agents to be used. The specification includes controls for the system and requires an analog addressable fire alarm control unit for each clean agent system. The clean agent control unit is required to report to the main building fire alarm system. Spot type smoke detection, spaced in accordance with High Air Movement Areas criteria in NFPA 72 for all smoke detection provided, is required in the specification.