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| NOTICE OF CHANGE |
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MIL-HDBK-1003/7
 NOTICE 1
 15 May 1999

DEPARTMENT OF DEFENSE
 HANDBOOK

STEAM POWER PLANTS — FOSSIL FUELED

TO ALL HOLDERS OF MIL-HDBK-1003/7:

1. THE FOLLOWING PAGES OF MIL-HDBK-1003/7 HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

| NEW PAGE | DATE | SUPERSEDED PAGE | DATE |
|----------|-------------------|-----------------|-------------|
| 173 | 15 September 1990 | 173 | 15 May 1999 |
| 174 | 15 September 1990 | 174 | 15 May 1999 |

2. RETAIN THIS NOTICE AND INSERT BEFORE TABLE OF CONTENTS.

3. Holders of MIL-HDBK-1003/7 will verify that page changes and additions indicated above have been entered. This notice page will be retained as a check sheet. This issuance, together with appended pages, is a separate publication. Each notice is to be retained by stocking points until the handbook is completely revised or canceled.

Custodian:
 Navy - YD2

Preparing Activity:
 Navy - YD2
 (Project FACR-5008)

AMSC N/A

AREA FACR

MIL-HDBK-1003/7

Table 28
Typical Fixed Fire Detection and Suppression Systems

| <u>Location</u> | <u>Type of Fire Suppression System</u> | <u>Type of Detection</u> | <u>Operation</u> |
|---|--|--|------------------|
| Administration Area (excluding Halon protected areas) | Wet pipe sprinkler | Fixed temperature quartzoid bulb | Automatic |
| Plans and records storage room | NFPA or DOD approved | Cross-zoned ionization and photo-electric smoke detection system | Automatic |
| Control room (below ceiling) | Not applicable | Ionization smoke detection | Alarm only |
| Control room (above ceiling) | Not applicable | Ionization smoke detection | Alarm only |
| Control room (main control panel) | Not applicable | Ionization smoke detection | Alarm only |
| Control equipment room | NFPA or DOD approved | Cross-zoned ionization and photo-electric | Automatic |
| Cable spreading room | Wet pipe sprinkler | Fixed temperature quartzoid bulb | Automatic |
| | -- | Ionization smoke detection | Alarm only |
| Turbine underfloor area, grade and mezzanine level | Dry pipe sprinklers | Fixed temperature quartzoid bulb | Automatic |
| Turbine generator bearings | Preaction spray | Fixed temperature | Manual |
| Boiler feed pump turbine | Deluge spray | Dry pilot | Automatic |

SUPERSEDES PAGE 173 OF MIL-HDBK-1003/7.

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Table 28 (Continued)
 Typical Fixed Fire Detection and Suppression Systems

| <u>Location</u> | <u>Type of Fire Suppression System</u> | <u>Type of Detection</u> | <u>Operation</u> |
|---|--|----------------------------------|-----------------------|
| Warm-up guns and igniters | Preaction spray | Fixed temperature | Automatic |
| Igniter oil pumps | Deluge spray | Dry pilot | Automatic |
| Hydrogen seal oil unit | Deluge | Dry pilot | Automatic |
| Turbine lube oil reservoir and conditioner | Deluge spray | Dry pilot | Automatic |
| Main generator and auxiliary transformers | Deluge spray | Dry pilot | Automatic |
| Reserve auxiliary transformers | Deluge spray | Dry pilot | Automatic |
| Switchgear areas and major motor control center | None | Smoke detection only | Alarm |
| Coal conveyors within generation building | Dry pipe sprinklers | Fixed temperature quartzoid bulb | Automatic |
| Air heaters | Deluge spray | Infrared hot spot detectors | Manual |
| Coal pulverizers | Steam inerting | Carbon monoxide monitoring | Manual |
| | Waterwash | | Manual (for B&W only) |
| Coal dust collectors | Preaction sprinkler | Thermistor wire | Automatic |

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