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MIL-HDBK-1005/13
NOTICE 2
15 May 1999

DEPARTMENT OF DEFENSE
HANDBOOK

HAZARDOUS WASTE STORAGE FACILITIES

TO ALL HOLDERS OF MIL-HDBK-1005/13:

1. THE FOLLOWING PAGES OF MIL-HDBK-1005/13 HAVE BEEN REVISED AND SUPERSEDE THE PAGES LISTED:

| NEW PAGE | DATE | SUPERSEDED PAGE | DATE |
|----------|---------------|-----------------|-------------|
| 4 | 30 April 1987 | 4 | 15 May 1999 |

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

3. Holders of MIL-HDBK-1005/13 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-5009)

AMSC N/A

AREA FACR

MIL-HDBK-1005/13

2.1.6 Meteorological Information. The information provided for the design of a facility incorporates meteorological data to establish structural and mechanical criteria. Prevailing wind direction should be used to site the facility so that, in the event that toxic gases or smoke are released, the effect on the populated or mission areas will be minimized.

2.1.7 Accessibility. The facility should be located where there are access roads of adequate load-bearing capacity and where routine through residential areas will not be required.

2.2 General Requirements. Facilities be will designed to store non-leaking containers labeled in accordance with Department of Transportation (DOT)/Environmental Protection Agency (EPA) criteria. The use of direct buried containers (e.g., tanks) will not be acceptable.

2.2.1 Enclosed or Open Facilities. General criteria for electrical design, fire protections, ventilation, and materials of construction are summarized in Table 1.

2.2.2 Safety

2.2.2.1 Access and Exit. Access to and exit from the storage facility will be restricted to periods when the facility is manned. During periods when the facility is not manned, entrance should be completely restricted either through locked gates, door, or both. In accordance with 40 CFR 264.14 (c), a sign visible from 8 meters (25 feet) should be placed on all access roads and entrances to the storage facility. The sign should have the legend: "Danger Unauthorized Personnel Keep Out."

2.2.2.2 Showers and Eyewash Station. Eyewash/deluge showers will be provided within 10 seconds and within 100 feet of travel distance for both long- and short-term storage facilities (in conformance with Emergency Eyewash and Shower Equipment, ANSI Standard Z358.1-1981).

2.2.2.3 Ventilation. All generally occupied areas (administrative, latrines, etc.) should follow the recommendations of the American Conference of Government Industrial Hygienists (ACGIH), Industrial Ventilation, A Manual of Recommended Practices, and should have positive-pressure ventilation in enclosed spaces, as shown in Table 1. Negative pressure should be maintained in all enclosed waste storage areas. Ventilation should conform to OSHA Standard 1910.106 for flammable liquid vapors. Dehumidification of the air and exhausting the air to outside are recommended for storage areas containing materials that react with water or that have corrosive vapors, specifically the acid waste, and reactive waste storage areas. Storage and/or transfer areas containing materials hazardous to health should be ventilated.

2.2.2.4 Fire Protection. Fire protection should be provided as required by Construction Criteria Manual, DOD MIL-HDBK-1190. Since reactive wastes may react violently with water, the storage area for these wastes should be protected by a gaseous-type system approved by the NFPA or DOD.

SUPERSEDES PAGE 4 OF NOTICE 1 TO MIL-HDBK-1005/13.