

SERM
LOCAL STANDARD ITEM

FY-2027

ITEM NO: 099-061SE
REVISED: 30 JAN 2025
CATEGORY: I

1. SCOPE:

1.1 Title: Temporary Hazardous Material (HM)/Hazardous Waste (HW)/Satellite Accumulation Point (SAP) Storage Units for Ship's Force Use at Contractor Facility; provide

2. REFERENCES:

2.1 29 CFR Part 1915, Occupational Safety and Health Standards for Shipyard Employment

2.2 NFPA Standard 30, Flammable and Combustible Liquids Code

2.3 NFPA Standard 70, National Electrical Code

3. REQUIREMENTS:

3.1 Provide 2 each lockable, weatherproof storage unit for Ship's Force use, conforming to the requirements of 2.1 through 2.3, for Hazardous Material (HM) storage (paint, flammable, and corrosive liquid), from the first day of the contract to the last day of the contract.

3.1.1 Designate one storage unit as a Satellite Accumulation Point (SAP) for storage of no more than 55 gallons of HW (cumulative total).

3.1.1.1 Identify an area within the unit as the SAP, using 2-inch-wide orange tape or signage with minimum 2-inch-high red lettering on a white background.

3.1.1.2 Remove HW in excess of 55 gallons within 72 hours and move to the contractor's HW 90-day storage area for short-term storage.

3.1.1.3 Inspect HW in the 90-day storage area on a weekly basis, providing a written copy to the SUPERVISOR verifying inspection of Navy Generated Waste.

3.1.2 Install weather-resistant signage for the SAP as follows:

3.1.2.1 "NO SMOKING WITHIN 50 FEET" must be posted on each exterior side, clearly visible from 50 feet away.

3.1.2.2 "DANGER-UNAUTHORIZED PERSONNEL KEEP OUT" must be posted on each entrance, clearly visible from 50 feet away.

3.1.2.3 "HAZARDOUS WASTE STORAGE AREA" must be posted on each entrance, clearly visible from 50 feet away.

3.2 In addition to the requirements of 2.1 through 2.3, each storage unit must conform to the following:

3.2.1 Required signage must be painted red.

3.2.1.1 Install a removable aluminum sign, 18 by 24 inches, on each access door showing each point of contact (POC) name, (Hazardous Waste Coordinator and Alternate), and each POC phone number.

3.2.2 Provide 2 fully charged 15-pound carbon dioxide (CO²) fire extinguishers, mounted outside each storage unit within 4 feet of each access.

3.2.3 Provide alarm system for each storage unit to provide personnel notification in the event of a fire, spill or other emergency.

3.2.4 Provide communication between each SAP storage unit and the ship's quarterdeck.

3.2.5 Provide a minimum of 320 square feet of floor space, with a 7-foot minimum ceiling.

3.2.5.1 Floor load limit shall be a minimum of 100 pounds per square foot with raised grating for the storage area floor.

3.2.5.2 Floor space must be liquid tight, including where each wall joins the floor.

3.2.6 Each access must be contained, using noncombustible, liquid-tight, raised coaming or ramp of at least 4 inches (10 centimeters) in height or otherwise, designed to prevent the flow of liquid to each adjoining area.

3.2.7 Provide secondary containment designed to prevent the flow of liquids outside the containment area.

3.2.8 Each aisle must be maintained at a minimum of 3 feet wide.

3.2.9 Provide a minimum of 200 square feet of 24-inch-wide shelving.

3.2.10 Provide a minimum of 10-foot candles of lighting, using explosion-proof, self-contained fixture, conforming to the requirements of 2.1.

3.2.11 Provide a minimum of one explosion-proof, grounded, 115 VAC, 15-amp, single phase, duplex receptacle.

3.2.12 Provide ventilation for each storage unit by non-sparking electric exhaust vent fan or a mechanical exhaust ventilation system. The location of each ventilation system must be arranged to provide air movement across each area of the floor to prevent accumulation of flammable vapor. Exhaust from each storage unit must be directed to the atmosphere, and not recirculated into compartment air.

3.2.12.1 Each ventilation system must provide, at a minimum, one cubic foot per minute (CFM) of exhaust per square foot of floor area, but not less than 150 CFM each if more than one ventilation system is used.

3.2.13 Each system must be equipped to maintain temperature within 35 to 90 degrees Fahrenheit.

3.2.14 Separate each storage unit from each other structure by a minimum of 25 feet.

3.2.15 Provide 2 portable eye wash stations with a minimum of 15 gallons of flushing water capacity, located adjacent to each storage unit.

3.2.15.1 Each eyewash station must be within 100 unobstructed feet and no more than 10 seconds fast walk from the hazard.

3.2.16 Provide a spill kit for the storage units containing the

following:

- 3.2.16.1 Nitrile gloves (2 pair)
- 3.2.16.2 Splash goggles (2 pair)
- 3.2.16.3 Absorbent pad, polypropylene, general purpose (15 each)
- 3.2.16.4 Three-inch by 4-foot absorbent sock (8 each)
- 3.2.16.5 Absorbent floor dry (one 25-pound bag)
- 3.2.16.6 Disposal bags (one package)

4. NOTES:

4.1 Each MSDS for all hazardous material used by Ship's Force during each availability will be maintained in a flexible plastic envelope inside each flammable storage unit.

4.2 A facility diagram detailing the location of all equipment and each supply located inside each flammable storage unit and an evacuation plan will be maintained inside each unit.