

SERM
LOCAL STANDARD ITEM

FY-2027

ITEM NO: 099-053SE

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; 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 units, each conforming to the requirements of 2.1 through 2.3, for Hazardous Material (HM) storage (paint, flammable, and corrosive liquid), from the first day to the last day of the contract.

3.1.1 Each area of excessive corrosion causing breakthrough or loss of structural integrity must be replaced with sound metal welded to the unit, with a one-inch minimum overlap. Minor surface corrosion is acceptable.

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

3.1.2.1 Identify an area within the unit as the SAP, using 2-inch-wide orange tape or signs with minimum 2-inch-high red lettering on a white background and allow sufficient space for placement of 2 each 30-gallon drums in front of the locker.

3.1.3 Install weather-resistant signage for the SAP locker as follows:

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

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

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

3.1.4 Install weather-resistant signage for the Hazardous Material locker as follows:

3.1.4.1 "Flammable" signage must be on each exterior side, clearly visible from 50 feet away.

3.1.4.2 "No Smoking or Open Flame" signage must be on each exterior side, 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 weatherproof sign on each access door showing user's name, each point of contact (Hazardous Waste Coordinator and Alternate), and phone number.

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

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

3.2.3.1 Floor load limit shall be a minimum of 100 pounds per square foot with raised removable grating for the storage area floor, allowing removal of spilled paint or other material.

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

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

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

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

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

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

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

3.2.10 Provide ventilation for each storage unit by non-sparking electric exhaust vent fan or 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 re-circulated into compartment air.

3.2.10.1 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.

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

3.2.12 Separate each storage unit from each other structure, i.e. buildings or other permanent facilities, by a minimum of 25 feet.

3.2.13 Situate each storage unit from fire lane to allow door to open without entering fire lane.

(V) (G) "SITE APPROVAL"

3.2.14 Each storage unit must be located adjacent to the ship, as approved by each local code, regulation, and authority.

3.2.14.1 Locate each storage unit within 500 feet of the ship when permitted.

(V) (G) "CLEANLINESS INSPECTION"

3.2.15 Inspect each storage unit for cleanliness prior to the start of the availability. Ensure that each storage unit does not have spilled paint on interior surfaces or inside containment structure.

3.2.15.1 Inspect wood sheeting placed under metal decking prior to the start of availability and monthly during the availability to ensure no contamination with petroleum products.

3.2.16 Provide one each portable eye wash station with a minimum of 15 gallons of flushing water capacity located adjacent to the storage unit.

3.2.16.1 The eyewash station shall be within 100 unobstructed feet and no more than 10 seconds fast walk from the hazard.

3.2.16.2 If each storage unit cannot be located together, a second eye wash station must be provided.

3.2.16.3 Each eyewash station located on the exterior of the storage units shall be protected from direct sunlight using a shade or similar equipment.

3.2.17 Provide one spill kit for each of the storage units containing the following:

3.2.17.1 Nitrile gloves (2 pair)

3.2.17.2 Splash goggles (2 pair)

3.2.17.3 Absorbent pad, polypropylene, general purpose (15 each)

3.2.17.4 Three-inch by 4-foot absorbent sock (8 each)

3.2.17.5 Absorbent floor dry (one 25-pound bag)

3.2.17.6 Disposal bags (one package)

(V) (G) "CLEANLINESS INSPECTION"

3.3 Inspect each storage unit for cleanliness upon completion of the availability. Ensure that Ship's Force has not spilled excess paint in the interior of each unit or into the containment structure. Allowable foreign matter or debris: None.

4. NOTES:

4.1 The approval for site location for each storage unit will be coordinated between the Contractor, the Naval Station Fire Department, and the SUPERVISOR.