

SOUTHEAST REGIONAL MAINTENANCE CENTER
LOCAL STANDARD ITEM

FY-22

ITEM NO: 099-53SE
DATE: 02 JAN 2020
CATEGORY: I

1. SCOPE:

1.1 Title: Temporary Hazardous Material (HM)/Hazardous Waste (HW)/Satellite Accumulation Point (SAP) Storage Unit 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 EA lockable, weatherproof storage unit for Ship's Force use, conforming to each requirement 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 EA, 30 gallon drum in front of the locker.

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

3.1.3.1 "NO SMOKING WITHIN 50 FEET" must be posted on each exterior side, clearly visible from a distance of 50 feet.

3.1.3.2 "DANGER-UNAUTHORIZED PERSONNEL KEEP OUT" must be posted on each entrance, clearly visible from a distance of 25 feet.

3.1.3.3 "HAZARDOUS WASTE STORAGE AREA" must be posted on each entrance, clearly visible from a distance of 25 feet.

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

3.1.4.1 "Flammable" sign on each side.

3.1.4.2 "No Smoking or Open Flame" sign on each side.

3.2 In addition to each requirement 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 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 must 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 through the use of 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 liquid 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 throughout provided by each explosive proof fixture.

3.2.9 Provide a minimum of one explosive 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. building or other permanent facility, by a minimum of 25 feet.

3.2.13 Situate each storage unit with sufficient distance 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 within close proximity 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 any interior surface 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 a petroleum product.

3.2.16 Provide one EA, 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 must 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 as required by 3.2.16.1.

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

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

3.2.17.1 Nitrile glove (2 pair)

3.2.17.2 Splash goggle (2 pair)

3.2.17.3 Absorbent pad, polypropylene, GP (15 EA)

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

3.2.17.5 Absorbent floor dry (one 25 lb bag)

3.2.17.6 Disposal bag (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.

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.