

SOUTHEAST REGIONAL MAINTENANCE CENTER
LOCAL STANDARD ITEM

FY-20

ITEM NO: 099-53SE
DATE: 04 JAN 2019
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 lockable, weatherproof storage units for Ship's Force use, each conforming to the requirements of 2.1 through 2.3, for Hazardous Material (HM) storage (paint, flammable, and corrosive liquids), from the first day of the contract to the last day of the contract.

3.1.1 Areas 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 of the units 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 letters on a white background and allow sufficient space for placement of 2, 30-gallon drums in the front of the locker.

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

3.1.3.1 "NO SMOKING WITHIN 50 FEET" shall be posted on all exterior sides, 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 signs for the Hazardous Material locker as follows:

3.1.4.1 "Flammable" signs on all sides

3.1.4.2 "No Smoking or Open Flame" signs on all sides

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

3.2.1 The exterior **must** be painted white with all required signs painted in red.

3.2.1.1 Install a removable weatherproof sign, on each access door showing user's name, points of contact (Hazardous Waste Coordinator and Alternate), and phone numbers.

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 the walls join the floor.

3.2.4 Accesses **must** be contained through the use of noncombustible, liquid-tight raised coaming or ramps of at least 4 inches (10 cm) in height or otherwise designed to prevent the flow of liquids to adjoining areas.

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

3.2.6 Aisles **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 explosive proof fixtures.

3.2.9 Provide a minimum of one explosive proof, grounded, 115 volt, 15 amp, single phase, AC duplex receptacle.

3.2.10 Provide ventilation for each storage unit by non-sparking electric exhaust vent fan(s) or a mechanical exhaust ventilation system(s). The location of the ventilation system(s) **must** be arranged to provide air movement across all areas of the floor to prevent accumulation of flammable vapors. 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 multiple ventilation systems are 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 other structures, i.e. buildings or other permanent facilities, 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 local codes, regulations, and authorities.

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 units.

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 the storage units 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 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 pads, polypropylene, general purpose (15 each)

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

3.2.17.5 Absorbent floor dry (one 25-lb. 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 the units or into the containment structure.

4. NOTES:

4.1 The approval for site location for the storage units **will** be coordinated between the contractor, the Naval Station fire department, and the SUPERVISOR.