

NAVSEA
STANDARD ITEM

FY-04

ITEM NO: 009-06
DATE: 30 AUG 2002
CATEGORY: I

1. SCOPE:

1.1 Title: Protection During Contamination-Producing Operations and Maintaining Cleanliness; accomplish

2. REFERENCES:

2.1 Standard Items

3. REQUIREMENTS:

3.1 The following requirements shall be observed, in addition to the specific requirements of the Job Order, for maintaining cleanliness of the ship, ship's equipment, components, and spaces for the duration of the availability.

3.2 Prevent contamination and surface damage of the ship's/craft's equipment, components, and spaces during contamination-producing operations.

3.2.1 Plug, blank, wrap, cover, seal, and mask equipment, components, cables, wireways, boats, and openings using fire retardant/water repellent material, and prevent entry of contaminants to machinery, winches, rigging, machinery surfaces, weapons systems, electrical equipment, electronic equipment, valves, vents not in use, and other openings.

3.2.1.1 Ensure plugging and blanking does not result in flooding **or damage to ship's equipment**.

3.2.1.2 Install Herculite or canvas covering conforming to A-A-55308, and/or fire retardant plywood conforming to Category 2, Type II, of MIL-L-19140. Plywood shall be marked with date of treatment, with exterior surfaces dyed or stained to a blue to blue green color range.

3.2.2 Install fire retardant industrial filter material on the intake of supply and exhaust end of ventilation systems which will be in use.

3.2.2.1 Remove existing and install new filter or clean the filter material when air flow is restricted.

(V) "VERIFY PROTECTIVE MEASURES"

3.2.3 All protective measures are to be in place prior to start of any contamination-producing operations and shall remain in place until the contamination-producing operations are complete.

3.2.4 Install double curtain baffles at the entrance of each access door where airborne contamination could occur during contamination-producing operations. Install a dirt collecting mat on the deck directly inside each door. The SUPERVISOR will select a maximum of four doors. Tag out doors not designated for access.

3.2.5 Temporary coverings shall not be removed during contamination-producing operations without permission of the SUPERVISOR.

(V) "INSPECT PROTECTIVE COVERING"

3.3 Inspect the integrity of the protective covering at the beginning of each shift in which contamination-producing operations will be accomplished. Ensure that equipment and machinery have not been infiltrated by contaminants. Notify the SUPERVISOR immediately by verbal means, followed on the next work day in writing, if contamination or surface damage has occurred. Reseal to prevent further entry of contaminants or surface damage.

3.4 Maintain cleanliness of the work site, including bilges, free from accumulation of industrial debris caused by contractor and/or subcontractor employees on a continuous basis throughout the availability. Work spaces include those areas immediately under and adjacent, and those areas where service lines are run, and bilge areas in vicinity of the work site.

3.4.1 Cleaning shall be accomplished no later than at the end of each shift, on a daily basis.

3.4.2 Remove and dispose of industrial debris from the ship on a daily basis.

3.5 Accomplish an initial walk-through of all locations aboard ship where contractor responsible work will take place, to observe cleanliness conditions. The inspection shall be made jointly with the SUPERVISOR and the Commanding Officer's designated representative, and shall take place prior to the commencement of any work by the contractor.

3.5.1 Submit **one** legible copy, **in hard copy or electronic media**, of a report of any unclean sites/spaces to the SUPERVISOR and Commanding Officer of the ship within 72 hours after completion of the inspection.

3.6 Accomplish a cleanliness inspection on a daily basis whenever work is in progress. The inspection shall be made jointly with the SUPERVISOR and the Commanding Officer's designated representative. During inspection the

responsible party shall be assigned. A written report of any unclean work sites/spaces shall be prepared by the contractor and copies distributed to the SUPERVISOR and Commanding Officer's designated representative within four hours after completion of the inspection. The inspection report shall list the responsible activity (contractor, ship, etc.) for each unclean site/area. Unclean sites/areas determined as contractor responsible shall be immediately cleaned.

3.6.1 Accomplish inspections and reporting during the daily fire prevention and housekeeping inspections in accordance with 009-07 of 2.1.

(V) "INSPECT COVERING REMOVAL"

3.7 Remove protective covering upon completion of contamination-producing operations and inspect for presence of contamination or surface damage. Notify the SUPERVISOR immediately by verbal means, followed on the next work day in writing, if contamination or surface damage has occurred, prior to removal of the contamination and repair of damage.

3.8 Remove from the ship/craft and dispose of debris and foreign matter generated as a result of work being accomplished on this ship/craft and from work being accomplished on other naval and private ships and crafts. Comply with the requirements of federal, state, and local laws, codes, regulations, and ordinances or as specified elsewhere in the Job Order.

4. NOTES:

4.1 Definitions:

4.1.1 Cleanliness means the removal of all industrial debris (industrial trash, waste material, weld rods/tips, fasteners, rags, lagging waste, job scrap, wire, litter, rubbish, etc.) at the end of each shift, leaving the areas broom clean and electronic spaces vacuum clean. Adjacent/surrounding machinery, equipment, etc., left exposed during debris producing operations shall be cleaned free of all resulting debris.

4.1.2 Daily means 7 days per week, 24 hours per day.

4.1.3 Contamination-producing operations are defined as follows:

4.1.3.1 Operations liable to produce particulates to become airborne during accomplishment of the work scope, i.e., abrasive blasting, mechanical cleaning, spray painting, and air blowdowns.

4.1.3.2 Operations liable to produce fluid contamination of equipment as a result of external leakage of piping systems during testing.

4.2 The SUPERVISOR will coordinate operation of ventilation systems, as requested by the contractor, to maintain a positive pressure within the

vessel's envelope and to create an outward flow of air through crevices or around penetrations.

4.3 The cleanliness goal is to turn over all areas of the ship in the same condition or better as at beginning of the availability.

4.4 Ship's Force responsibility:

4.4.1 Ship's Force is responsible for dust that collects as a matter of course throughout the availability and for any Ship's Force job site maintenance including monitoring job sites being worked by SIMA, AIT teams and any contractor services that the ship has arranged.

4.4.2 Ship's Force is responsible to maintain cleanliness of their areas of responsibility broom clean at the end of each shift, on a daily basis.

4.4.3 The ship will raise concerns to the SUPERVISOR prior to any cleanliness condition getting out of control. The ship is expected to inspect any suspect area to first ascertain if it is their responsibility before contacting the SUPERVISOR.

4.4.4 Ship's Force will work continually throughout the availability to keep bilges and other general areas of the ship clean where the Contractor is not working.

4.5 Ship's Force and the Contractor will familiarize each other with their scope of work (any other work being performed on board the ship not pursuant to contractor authorized work under the Job Order is considered Ship's Force work). The affected locations and aspects of the work and/or ship conditions (i.e., blasting, grinding, preservation, hot work, insulation removals, decking replacement, hydroblasting, weight tests, electrical cable replacement, etc.) will be identified. Each responsible party will clean site in locations where both parties will be working, on a daily basis. Communications must be continuous and active two ways.

4.6 Diligence in inspection will ensure that action is taken by the responsible party prior to any area becoming unsatisfactory.