

NAVSEA
STANDARD ITEM

FY-04

ITEM NO: 009-03
DATE: 30 AUG 2002
CATEGORY: I

1. SCOPE:

1.1 Title: Toxic and Hazardous Substances; control

2. REFERENCES:

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

3. REQUIREMENTS:

3.1 Sample or otherwise identify materials that are to be used, removed, or disturbed during work operations that may contain toxic or hazardous substances as listed in 1915.1000 of **2.1**.

3.1.1 Consider work operations that have the potential of producing air contaminants as safety and health hazards unless airborne concentration levels are determined to be below the exposure limits listed in **2.1**.

3.2 Ensure that procedures for the removal or disruption of existing toxic or hazardous substances comply with the requirements of **2.1**, and that exposure monitoring, method of compliance, respiratory protection, protective clothing, housekeeping, hygiene facilities and practices, medical surveillance, clearance sampling, employee information and training, signs, and recordkeeping are all addressed.

3.2.1 Maintain, at the work site, written designation of the Qualified Person who will take samples for analysis, monitor personnel, and inspect affected areas.

3.2.1.1 The Qualified Person shall be an Industrial Hygienist, Marine Chemist, equivalent, or person working under the direct supervision of those herein, capable of specifying necessary protection and precautions to be taken during work process and shall have received training as recommended by the American Industrial Hygiene Association (AIHA).

3.2.1.2 Submit **one** legible copy, **in hard copy or electronic media**, of certifications, licenses, and other documentation required by federal, state, and local regulatory authorities to the SUPERVISOR prior to start of work.

3.3 Provide a written notice to the SUPERVISOR and to the Commanding Officer's designated representative of potential exposure to toxic or hazardous substances and hazardous operations.

3.3.1 Post the notice at the ship's Quarterdeck and at all entrances to the work areas for each job or separate area of potential exposure to toxic or hazardous substances at least four hours, but not more than 24 hours, prior to the start of work.

3.3.2 The notice shall contain the following information:

3.3.2.1 Ship's name and hull number

3.3.2.2 Work Item number

3.3.2.3 Compartment or frame number

3.3.2.4 Identification of hazard

3.3.2.5 Date and time of work process

3.3.2.6 Identification of engineering and work practice controls

3.3.3 Deliver notification of work planned over a weekend or Monday following that weekend to the Commanding Officer's designated representative not later than 0900 on the Friday immediately preceding that weekend.

3.3.4 Deliver notification of work planned on a Federal holiday and on the day following the Federal holiday to the Commanding Officer's designated representative not later than 0900 on the last working day preceding the Federal holiday.

3.3.5 The notice and procedure shall be submitted to the SUPERVISOR for review prior to commencement of the work operation. Authorization of the SUPERVISOR shall be obtained before proceeding with the work.

3.4 Provide for isolation and blanking of ship's ventilation systems in work areas to prevent toxic or hazardous substance contamination of ventilation systems or other compartments/spaces.

3.5 Establish regulated areas for monitoring and authorized personnel entry whenever concentrations of the toxic or hazardous substance are in excess of exposure limits as listed in 2.1.

3.6 Monitor the affected areas during work operations to ensure compliance with 2.1. Monitoring shall include adjacent spaces to ensure the work area containments and work practices are effective. Results of surveillance shall be documented and documentation shall be made available to the SUPERVISOR.

3.7 Submit **one** legible copy, **in hard copy or electronic media**, of the laboratory analysis results as required in 3.2 to the SUPERVISOR prior to release of the space for entry of nonprotected personnel. The analysis shall verify that the exposure limits are not exceeded.

4. NOTES:

4.1 The terms "substance", "air contaminant", and "material" are equivalent in meaning for 29 CFR 1915.1000.