

INCH-POUND

MIL-PRF-32007

6 March 2003

PERFORMANCE SPECIFICATION

OILY WASTEWATER SEPARATION SYSTEM, 6.7-GALLON PER MINUTE NAVY INTEGRATED MEMBRANE SYSTEM (NIMS)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers a fully automated and self-contained Navy Integrated Membrane System (NIMS) capable of providing treatment of oily wastewater found onboard Naval vessels at a rate of 6.7 gallons per minute (gpm). The effluent of the NIMS will contain no more than 15 parts per million (ppm) oil.

2. APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3 and 4 of this specification. This section does not include documents cited in other sections of this specification or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirement documents cited in sections 3 and 4 of this specification, whether or not they are listed.

2.2 Government documents.

2.2.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation (see 6.2).

SPECIFICATIONS

DEPARTMENT OF DEFENSE

MIL-PRF-680 - Degreasing Solvent

Comments, suggestions, or questions on this document should be addressed to Commander, Naval Sea Systems Command, ATTN: SEA 05Q, 1333 Isaac Hull Avenue, SE, Stop 5160, Washington Navy Yard DC 20376-5160 or emailed to commandstandards@navsea.navy.mil, with the subject line "Document Comment". Since contact information can change, you may want to verify the currency of this address information using the ASSIST Online database at www.dodssp.daps.mil.

AMSC N/A

FSC 4610

MIL-PRF-32007

- MIL-S-901 - Shock Tests H.I. (High-Impact) Shipboard Machinery, Equipment, and Systems, Requirements for
- MIL-DTL-5624 - Turbine Fuel, Aviation, Grades JP-4, JP-5, and JP-5/JP-8 ST
- MIL-PRF-9000 - Lubricating Oil, Shipboard Internal Combustion Engine, High Output Diesel
- MIL-D-16791 - Detergents, General Purpose (Liquid, Nonionic)
- MIL-PRF-16884 - Fuel, Navy Distillate
- MIL-PRF-17331 - Lubricating Oil, Steam Turbine and Gear, Moderate Service
- MIL-F-24385 - Fire Extinguishing Agent, Aqueous Film-Forming Foam (AFFF) Liquid Concentrate, for Fresh and Seawater
- MIL-DTL-24643 - Cables and Cords, Electric, Low Smoke, for Shipboard Use, General Specification for
- MIL-PRF-32097 - Filtration Module, Oily Waste Membrane Type

STANDARDS

DEPARTMENT OF DEFENSE

- MIL-STD-167/1 - Mechanical Vibrations of Shipboard Equipment (Type I - Environmental and Type II - Internally Excited)
- MIL-STD-461 - Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment
- MIL-STD-740/1 - Airborne Sound Measurements and Acceptance Criteria of Shipboard Equipment
- MIL-STD-740/2 - Structureborne Vibratory Acceleration Measurements Acceptance Criteria of Shipboard Equipment
- MIL-STD-777 - Schedule of Piping, Fittings, Valves, and Associated Piping Components for Naval Surface Ships
- MIL-STD-810 - Environmental Engineering Considerations and Laboratory Tests
- MIL-STD-1310 - Shipboard Bonding, Grounding, and Other Techniques for Electromagnetic Compatibility and Safety
- MIL-STD-1399, Section 300 - Interface Standard for Shipboard Systems, Section 300, Electric Power, Alternating Current (Metric)

MIL-STD-1553 - Digital Time Division Command/Response Multiplex Date Bus

(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4/D, Philadelphia, PA 19111-5094 or <http://astimage.daps.dla.mil/quicksearch/> or www.dodssp.daps.mil.)

2.2.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA Method 1664 - Guidelines Establishing Test Procedures for the Analysis of Oil and Grease and Non-Polar Material

(Applications for copies should be addressed to Environmental Protection Agency, National Technical Information Service 5285 Port Royal Road, Springfield, VA 22161 or www.epa.gov.)

NAVSEA DWG 803-6983497 - Membrane Module, Detail

(Copies of this drawing are available from Commander, Naval Sea Systems Command, ATTN: SEA 05Q, 1333 Isaac Hull Avenue, SE, Stop 5160, Washington Navy Yard DC 20376-5160.)

2.3 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents that are DoD adopted are those listed in the issue of the DoDISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS are the issues of the documents cited in the solicitation (see 6.2).

AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE)

ASSE 1013 - Reduced Pressure Principle Backflow Preventers

(Application for copies should be addressed to American Society of Sanitary Engineering, 901 Canterbury Road, Suite A, Westlake, Ohio 44145 or www.asse.org.)

ASTM International

ASTM D1141 - Standard Practice for Substitute Ocean Water

ASTM F1155 - Standard Practice for Selection and Application of Piping System Materials

ASTM F1166 - Standard Practice for Human Engineering Design for Marine Systems, Equipment and Facilities

(Application for copies should be addressed to ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 or www.astm.org.)

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IEEE 45 - IEEE Recommended Practice for Electric Installations on Shipboard