DEPARTMENT OF THE NAVY
HRMC (NMD)

[redacted] [redacted]

SPECIFICATIONS FOR WORK TO BE ACCOMPLISHED

SPECIFICATION NUMBER: HIRMC -501-27

INCLUDES ALL CHANGES THROUGH 6/22/2026

INDEX

ITEMS THAT ARE STRUCK OUT IN THIS INDEX DO NOT APPLY TO THIS CONTRACT.

CATEGORY I. FY-26 STANDARD ITEMS APPLICABLE TO THIS JOB ORDER WITHOUT FURTHER REFERENCE.

ITEM NO.	TITLE	CHANGE DATE	CHANGE
009-001	General Criteria; accomplish	09/04/2024	Original
009-002	Environmental Compliance Report for Material Usage; accomplish	07/22/2024	Original
009-003	Toxic and Hazardous Substance; control	07/22/2024	Original
009-004	Quality Management System; provide	09/16/2024	Original
~~009-005~~	~~Temporary Access; accomplish~~	~~11/18/2024~~	~~CH-1~~
~~009-006~~	~~Maintaining Protection and Cleanliness from Non-Radioactive Operations; accomplish~~	~~07/22/2024~~	~~Original~~
~~009-007~~	~~Confined Space Entry, and Certification; accomplish~~	~~09/04/2024~~	~~Original~~
009-008	Shipboard Fire Protection and Fire Prevention; accomplish	09/30/2024	Original
~~009-010~~	~~Asbestos-Containing Material (ACM); control~~	~~09/16/2024~~	~~Original~~
~~009-018~~	~~Mine Warfare Ships Magnetic Material; control~~	~~09/04/2024~~	~~Original~~
009-019	Provisioning Technical Documentation (PTD); provide	07/22/2024	Original
~~009-020~~	~~Government Property; control~~	~~07/22/2024~~	~~Original~~
~~009-021~~	~~Alteration Verification, Logistic and Technical Data; provide~~	~~07/22/2024~~	~~Original~~
~~009-023~~	~~Interference; remove and install~~	~~11/18/2024~~	~~CH-1~~
~~009-024~~	~~Authorization, Control, Isolation, Blanking, Tagging, and Cleanliness; accomplish~~	~~09/16/2024~~	~~Original~~
~~009-034~~	~~Fire Protection of Unmanned Vessel at Contractor Facility; accomplish~~	~~07/22/2024~~	~~Original~~
~~009-039~~	~~Technical Manual Contract Requirement (TMCR) for a New Technical Manual for Commercial Equipment/Component; accomplish~~	~~07/22/2024~~	~~Original~~
~~009-040~~	~~Contractor Crane, Multi-Purpose Machine and Material Handling Equipment at a Naval Facility; provide~~	~~07/22/2024~~	~~Original~~
~~009-060~~	~~Schedule and Associated Report for CNO Availability; provide and manage~~	~~09/16/2024~~	~~Original~~
009-061	Shipboard Use of Fluorocarbons; control	09/16/2024	Original
~~009-067~~	~~Integrated Total Ship Testing; manage~~	~~09/16/2024~~	~~Original~~
~~009-068~~	~~Availability Work Certification (AWC) Data for Chief of Naval Operations (CNO) Availabilities; provide~~	~~09/16/2024~~	~~Original~~
~~009-069~~	~~Heavy Weather/Mooring Plan; provide~~	~~09/16/2024~~	~~Original~~
~~009-070~~	~~Confined Space Entry, Certification, Fire Protection, Fire Prevention and Housekeeping for Unmanned Vessels; accomplish~~	~~09/16/2024~~	~~Original~~
~~009-072~~	~~Physical Security at a Private Contractor Facility; accomplish~~	~~09/16/2024~~	~~Original~~
~~009-073~~	~~Shipboard Electrical/Electronic Cable Procedure; inspect, test, install, remove, and repair~~	~~09/16/2024~~	~~Original~~
009-074	Occupational, Safety and Health Plan; accomplish	09/16/2024	Original
009-080	Ship Facility; maintain	09/16/2024	Original
~~009-081~~	~~Compartment Closeout; accomplish~~	~~09/16/2024~~	~~Original~~
~~009-082~~	~~Installation of Equal Component Vice Specified Component; report~~	~~07/22/2024~~	~~Original~~
009-084	Threaded Fastener Requirement; accomplish	07/22/2024	Original
009-088	Collection, Holding and Transfer (CHT) and Motor Gasoline (MOGAS) Tank, Space, and Piping, including Sewage or MOGAS-Contaminated Tank, Space, and Piping; certify	09/16/2024	Original
~~009-093~~	~~Emergency Planning and Community Right-to-Know Act (EPCRA) and Pollution Prevention Act (PPA) Information; provide~~	~~07/22/2024~~	~~Original~~

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ITEM NO.	TITLE	CHANGE DATE	CHANGE
~~009-099~~	~~Ship Departure Report; provide~~	~~09/16/2024~~	~~Original~~
~~009-100~~	~~Ship's Stability; maintain~~	~~09/16/2024~~	~~Original~~
~~009-101~~	~~Ship Transit and Berthing; accomplish~~	~~09/16/2024~~	~~Original~~
~~009-106~~	~~Work Authorization Form Coordinator (WAFCOR); provide~~	~~09/16/2024~~	~~Original~~
009-109	Non-SUBSAFE Work on SUBSAFE-Certified Vessel; accomplish	07/22/2024	Original
009-110	Non-Nuclear Work on a Nuclear Vessel; accomplish	07/22/2024	Original
009-111	Schedule and Associated Report for Non-CNO Availability; provide and manage	09/16/2024	Original
~~009-117~~	~~Combat Systems, Light Off Suport; provide~~	~~09/17/2024~~	~~Original~~
~~009-118~~	~~CG Deck Loading; accomplish~~	~~07/22/2024~~	~~Original~~
009-120	Fact Finding and Critique of Unplanned Event; manage	09/17/2024	Original
~~009-122~~	~~Temporary Padeye; install and remove~~	~~11/18/2024~~	~~CH-1~~
~~009-125~~	~~Boat 65 Feet (20meters) Long and Less; accomplish~~	~~11/18/2024~~	~~CH-1~~
~~009-126~~	~~Schedule Model Review (SMR); accomplish~~	~~09/17/2024~~	~~Original~~
099-001PH	Waste Generated on Government Property, including Satellite Accumulation area (SAA), Managing and Disposing of Hazardous Waste (HW) and non-HW; accomplish	11/27/2024	Original
~~099-002PH~~	~~Dry Dock Requirement; accomplish~~	~~11/27/2024~~	~~Original~~
099-003PH	Additional Environmental Requirements; accomplish	11/27/2024	Original
099-004PH	Industrial Wastewater/Oily Wastewater Disposal; accomplish	11/27/2024	Original
~~099-007PH~~	~~Radiological Fallout Controls; accomplish~~	~~11/27/2024~~	~~Original~~
099-008PH	Safety of Ship Requirement; provide	11/27/2024	Original
099-008PH	Safety of Ship Requirement; provide	02/11/2025	CH-1
099-009PH	Additional Requirements for Process Control Procedure (PCP; provide and accomplish	02/11/2025	CH-1
~~099-040PH~~	~~Additional Requirements for Contractor Cranes, Multi Purpose machine, and Material Handling Equipment at Joint Base Pearl Harbor Hawaii; accomplish~~	~~11/27/2024~~	~~Original~~
099-069PH	Pier Laydown for Pearl Harbor Naval Shipyard & IMF (PHNSY & IMF) Availability; accomplish	02/11/2025	CH-1

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CATEGORY II. FY-26 STANDARD ITEMS WHICH MAY BE INVOKED IN THE WORK ITEMS OF THIS JOB ORDER.

ITEM NO.	TITLE	CHANGE DATE	CHANGE
009-009	Process Control Procedure (PCP); provide and accomplish	09/04/2024	Original
009-032	Cleaning and Painting Requirements; accomplish	09/25/2024	Original

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ITEM NO.	TITLE
077-00-001	Hazardous Waste Produced on Naval Vessels; control
553-00-001	External Hydraulics System Hot Oil Flush; accomplish

SHIP: [redacted] ITEM NO: 077-00-001

COAR: 26 PCN: EA01-L043

CMP: NONE

PLANNER: [redacted]

1. SCOPE:

1.1 Title: Hazardous Waste Produced on Naval Vessels; control

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 Resource Conservation and Recovery Act (RCRA)

2.2 Federal Hazardous Materials Transportation Act, 49 U.S.C. 5103

2.3 Applicable Hazardous Waste Manifest Form

2.4 10 U.S.C. 7311

3. REQUIREMENTS:

3.1 Manage and dispose of all hazardous waste listed in 3.5 in accordance with 2.1 and 2.2.

3.1.1 When a Navy generator number is required by this Work Item, submit the original of 2.3 to the SUPERVISOR for assignment of Environmental Protection Agency (EPA) or delegated state environmental agency identification number.

3.1.2 Manage and transport for Navy disposal, Navy-generated hazardous waste listed in 3.5 in accordance with 2.1 and 2.2, as designated by the SUPERVISOR.

3.1.3 Submit one legible copy of 2.3 signed by the owner or operator of the disposal facility to the SUPERVISOR within 48 hours of receipt from owner or operator of disposal facility.

3.2 Complete documentation required by 2.1 and 2.2, using EPA or delegated state environmental agency identification number in accordance with 2.4.

3.2.1 Documentation related to hazardous waste generated solely by the physical actions of Ship's Force or Navy employees (termed Navy-Generated Hazardous Waste) on board the vessel shall only bear a generator identification number issued to the Navy pursuant to applicable law. The contractor shall obtain SUPERVISOR'S concurrence with the categorization of the waste as Navy-generated before completion of the manifest. The manifest prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.2.2 Documentation related to hazardous waste generated solely by the physical actions of contractor personnel (termed Contractor-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law. Regardless of the presence of other material in or on the shipboard systems or structure which may have qualified a waste stream as hazardous, where the contractor performs work on a system or

structure using materials (whether or not the use of such materials was specified by the Navy) which by themselves would cause the waste from such work to be a hazardous waste, documentation related to such waste shall only bear a generator number issued to the contractor.

3.2.3 Documentation related to hazardous waste generated by the combined physical actions of Navy and contractor personnel (termed Co-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law and shall also cite in the remarks block a generator identification number issued to the Navy pursuant to applicable law. When the contractor merely drains a system and such drainage creates hazardous waste or the contractor performs work on system or structure using materials which by themselves would not cause the waste from such work to be hazardous waste but such work nonetheless creates a hazardous waste, documentation related to such waste shall bear a generator identification number issued to the contractor and shall also cite in the remarks block a generator identification number issued to the Navy. The contractor shall sign the generator certification on the Uniform Hazardous Waste Manifest whenever use of the manifest is required for disposal. The contractor shall obtain SUPERVISOR's concurrence with the categorization of the wastes as co-generated before completion of the manifest. Manifests prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.3 If the contractor, while performing work at a Government facility, cannot obtain a separate generator identification number from the state in which the availability will be performed, the contractor shall notify the SUPERVISOR within three business days of receipt of written notification by the state. After obtaining approval of the SUPERVISOR, the contractor shall use the Navy site generator identification number and insert in the remarks block the contractor generator identification number issued for the site where his main facilities are located.

3.4 If, for availabilities at a contractor-owned or controlled facility, the Navy cannot obtain a separate generator identification number for use at a contractor facility, the Navy shall notify the contractor within three business days of receipt of notification by the state. The contractor shall dispose of hazardous waste in accordance with 2.1, 2.2, and 3.2.3.

3.5 Hazardous waste, as identified in 2.1, expected to be produced during performance of this Job Order:

	AMOUNT		
TYPE	NAVY	CO-GENERATED	CONTRACTOR
Acid Solutions (may include spent sulfamic, citric, chromic, nitric, sulfuric, hydrochloric, etc.)	_____	_____	_____
Ethylene Glycol (Antifreeze)	_____	_____	_____
Sodium Hydroxide	_____	_____	_____
Cleaning Solvents	_____	_____	_____

Sodium Phosphates (Tri, Bi, or Mono)	_____	_____	_____
Fluorocarbons	_____	_____	_____
Morpholine	_____	_____	_____
Sodium Chromates	_____	_____	_____
Hydrazine	_____	_____	_____
Methyl Ethyl Ketone	_____	_____	_____
Spent Abrasive Blast Material (contaminated with a known hazardous waste)	_____	_____	_____
Trichloroethane	_____	_____	_____
Miscellaneous Chemicals (Rust Preventative)	_____	_____	_____
Miscellaneous Chemicals (Corrosive)	_____	_____	_____
Miscellaneous Chemicals (TCLP Toxic)	_____	_____	_____
Miscellaneous Chemicals (Reactive)	_____	_____	_____
Oil (Synthetic)	_____	_____	_____
Paints (Enamel, Latex, Epoxy, thinners, oil based, rubber paint, non-skid, lacquer, remover, varnishes)	_____	_____	_____
Paints (May include lead, cadmium, or chrome)	_____	_____	_____
Paint Strippers (phenols, lead, chromium)	_____	_____	_____
Sludges (Contaminated with a known hazardous waste)	_____	_____	__
Wool Felt (contaminated with chromium and PCB's)	_____	_____	_____
Lube/Fuel Oil Soaked Rags	_____	_____	_____
Paint/Flakes (Pressure Washing Ext Hull Surfaces)	_____	_____	_____
Fuel Oil(Residual)	_____	_____	_____
Bilge Water	_____	_____	_____

Oil/Water	_____	_____	_____
AFFF/Water	_____	_____	_____
MEK Contaminated Rags	_____	_____	_____
Hydraulic Oil	1200 gallons	_____	_____

3.5.1 Provide zero dollars for managing and disposing of all hazardous waste listed in 3.5. Total cost greater or less than above dollar amount will be the subject of an equitable adjustment.

3.6 Submit one legible copy, in approved transferrable media of a report identifying type, amount, and disposal cost of waste listed in 3.5 that was removed during the performance of this Job Order to the SUPERVISOR.

3.6.1 The report shall include analysis or other method used to identify the waste and state whether each listed waste was hazardous (with generator assignment), non-hazardous, or did not exist.

3.6.1.1 Chemical analysis shall be accomplished by laboratories with state or EPA approved quality assurance programs.

3.6.2 The contractor shall make an effort to minimize hazardous waste generation by reducing the volume or toxicity by neutralizing, recycling, or otherwise removing it from the requirements of Subtitle C of 2.1 and include a description of such efforts in the report.

3.7 Nothing contained in this Work Item shall relieve the contractor from complying with applicable federal, state, and local laws, codes, ordinances, and regulations, including the obtaining of licenses and permits in connection with hazardous waste handling and disposal in the performance of this contract.

4. NOTES:

4.1 The waste listed in 3.5 is based on the best information available at the time of preparation of the solicitation. Hazardous waste generated during the actual performance of the work may vary in type or amount from waste listed in 3.5 which may result in renegotiation for credit or increase pursuant to Paragraph (b) of 2.4. The contractor is expected to use best management practice to identify and dispose of all hazardous waste. Some of the substances listed in 3.5 may be neutralized, recycled, or otherwise removed from the requirements of Subtitle C of 2.1. Inclusion of these substances in the waste listed in 3.5 does not preclude the contractor from taking action consistent with 2.1 to reduce or eliminate the hazardous constituents of any waste required to be disposed of under the contract in accordance with 2.2. Processes that add hazardous constituents to the bilges may require that bilge water be disposed of as a hazardous waste.

4.1.1 The types and amounts of wastes listed in 3.5 are estimates of waste to be disposed of under this contract as required by 2.4. They are not estimates of the amount of the work involved in generating that waste. The work requirements of each individual Work Item specify the actual work to be accomplished.

4.2 Hazardous wastes are determined by one or more of the following methods:

4.2.1 Chemical analysis which shows that the material characteristics of ignitability, corrosivity, reactivity, and/or toxicity (Toxicity Characteristic Leachate Procedure - TCLP) exceed

the limits for that material in 40 CFR 261.20 Subpart C.

4.2.2 Reference to a Material Safety Data Sheet (MSDS), or

4.2.3 Applying knowledge of the hazardous characteristics of the waste in light of the materials or the process used.

4.3 Asbestos, bilge water, oil/water including sludge, debris and other contaminants, sludge which includes solids and sludge from ballast tanks, CHT tanks, voids, oily waste tanks, fuel ballast tanks, fuel oil tanks, skegs (West coast), PCB's (Maryland), etc., apply only in those states listing them as hazardous waste. When an availability is to be performed in a state where these items are hazardous waste, an estimate of the amount to be generated shall be included in 3.5.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: [redacted] ITEM NO: 553-00-001

COAR: 26 PCN: EA01-L039

CMP: NONE

PLANNER: [redacted]

1. SCOPE:

1.1 Title: External Hydraulics System Hot Oil Flush; accomplish

1.2 Location of Work:

1.2.1 Throughout the Ship

1.3 Identification:

1.3.1 688-class Submarine External Hydraulics System, Secondary Propulsion Motor hydraulics flush loop

1.3.2 688-class Submarine External Hydraulics System, Power Plant hydraulics flush loop

1.3.3 688-class Submarine External Hydraulics System, Retractable Bow Planes hydraulics flush loop

1.3.4 688-class Submarine External Hydraulics System, Thin Line Towed Array hydraulics flush loop

1.3.5 688-class Submarine External Hydraulics System, Sail hydraulics flush loop

1.3.6 688-class Submarine External Hydraulics System, Vertical Launch System hydraulics flush loop

2. REFERENCES:

2.1 Standard Items, (FY26 CH-1)

2.2 NAVSEA S9086-S4-STM-010, Hydraulic Equipment (Power Transmission and Control)

2.3 MIL-STD-419 Rev E1, Cleaning, Protecting, and Testing Piping, Tubing, and Fittings for Hydraulic Power Transmission Equipment

2.4 NAVSEA 0905-LP-485-6010, Manual for the Control of Testing and Ship Conditions

2.5 F59 HOT OIL FLUSH PWS, 688-CLASS EXTERNAL HYDRAULICS FLUSH PHNSY

3. REQUIREMENTS:

3.1 Provide flushing equipment capable of meeting flow and pressure ratings provided by Shipyard Engineering & Planning Department (EPD).

3.1.1 Coordinate with Shipyard EPD for identification of attachment points to Ship's hydraulic system.

3.1.1.1 Inspect the External Hydraulics System and specific flush loops, located in 1.2, listed in 1.3, to verify affected piping, fittings and valves are intact and all contractor equipment is operational.

3.1.1.2 Prior to flushing operations, conduct a tightness test for each specific test loop using dockside air at regulated pressure for each flush loop as specified in 2.5.

3.1.2 Ensure that filter media allows filtered oil to achieve oil cleanliness in accordance to the requirements of 2.5.

3.2 Accomplish the requirements of 009-009 of 2.1, to generate a Process Control Procedure for the flushing of equipment listed in 1.3, using the flush procedures in 2.2 through 2.5 as a guide.

3.2.1 Mark-up copy of diagram for each flush loop listed in 1.3, showing valve line-up, temporary jumpers, vents, drains, test connections, external pump, filter bags, and direction of flow for flushing disturbed portions of flush loop.

3.2.2 Provide a description of the external flushing unit and attached components.

3.2.3 Provide a description of operating procedure from start up to securing and setting of capacity controls.

3.2.4 Ensure all gauge and pressure switch tubing remain isolated during flushing by securing each root valve.

3.2.5 Provide a provision to bypass pressure sensitive components and metering devices.

3.2.6 Provide a description for restoration of ship's system.

3.2.7 Save existing fasteners for reuse.

3.3 Accomplish hot oil flush for each loop of External Hydraulics System located in 1.2, listed in 1.3, using 2.2 through 2.5 as a guide.

3.3.1 Perform flushing operations for Secondary Propulsion Motor hydraulic flush loop, located in 1.2, listed in 1.3.1.

(V)(G) "HYDROSTATIC TEST"

3.3.1.1 Start Flushing Module pump, begin oil circulation within specific flush loop pressures detailed in 2.5 to confirm connections are secure. Allowable leakage: NONE

3.3.1.2 Perform flush for item listed in 1.3.1, using specifications in 2.5 as a guide.

3.3.1.3 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.3.1 and associated analysis to the SUPERVISOR.

3.3.2 Perform flushing operations for Power Plant hydraulic flush loop, located in 1.2, listed in 1.3.2.

(V)(G) "HYDROSTATIC TEST"

3.3.2.1 Start Flushing Module pump, begin oil circulation within specific flush loop pressures detailed in 2.5 to confirm connections are secure. Allowable leakage: NONE

3.3.2.2 Perform flush for item listed in 1.3.2, using specifications in 2.5 as a guide.

3.3.2.3 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.3.2 and associated analysis to the SUPERVISOR.

3.3.3 Perform flushing operations for Retractable Bow Planes hydraulic flush loop, located in 1.2, listed in 1.3.3.

(V)(G) "HYDROSTATIC TEST"

3.3.3.1 Start Flushing Module pump, begin oil circulation within specific flush loop pressures detailed in 2.5 to confirm connections are secure. Allowable leakage: NONE

3.3.3.2 Perform flush for item listed in 1.3.3, using specifications in 2.5 as a guide.

3.3.3.3 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.3.3 and associated analysis to the SUPERVISOR.

3.3.4 Perform flushing operations for Thin Line Towed Array hydraulic flush loop, located in 1.2, listed in 1.3.4.

(V)(G) "HYDROSTATIC TEST"

3.3.4.1 Start Flushing Module pump, begin oil circulation within specific flush loop pressures detailed in 2.5 to confirm connections are secure. Allowable leakage: NONE

3.3.4.2 Perform flush for item listed in 1.3.4, using specifications in 2.5 as a guide.

3.3.4.3 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.3.4 and associated analysis to the SUPERVISOR.

3.3.5 Perform flushing operations for Sail hydraulic flush loop, located in 1.2, listed in 1.3.5.

(V)(G) "HYDROSTATIC TEST"

3.3.5.1 Start Flushing Module pump, begin oil circulation within specific flush loop pressures detailed in 2.5 to confirm connections are secure. Allowable leakage: NONE

3.3.5.2 Perform flush for item listed in 1.3.5, using specifications in 2.5 as a guide.

3.3.5.3 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.3.5 and associated analysis to the SUPERVISOR.

3.3.6 Perform flushing operations for Vertical Launch System hydraulic flush loop, located in 1.2, listed in 1.3.6.

(V)(G) "HYDROSTATIC TEST"

3.3.6.1 Start Flushing Module pump, begin oil circulation within specific flush loop pressures detailed in 2.5 to confirm connections are secure. Allowable leakage: NONE

3.3.6.2 Perform flush for item listed in 1.3.6, using specifications in 2.5 as a guide.

3.3.6.3 Submit one legible copy, in approved transferrable media, of a report listing the results of 3.3.6 and associated analysis to the SUPERVISOR.

3.4 Accomplish the removal of flushing equipment and restoration of the External Hydraulics system in accordance with 2.2.

3.4.1 Upon complete restoration, perform final oil fill of External Hydraulics System with new 2075TH / MIL-PRF-17672 hydraulic oil.

3.4.2 Submit one legible copy, in approved transferrable media, of a completion report listing the results of the oil flush evolution in 3.1 through 3.4, detailing the flushing procedure and results of lab analysis to the SUPERVISOR.

4. NOTES:

4.1 Flushing Rig shall be capable of meeting or exceeding specifications as detailed in 2.5.

4.2 Contractor-provided hoses shall be capable of connecting to -12 FEMALE JIC (37-degree flare) Shipyard hoses.

4.3 GOVERNMENT shall provide 2075 TH / MIL-PRF-17672 flushing oil and final system fill oil.

4.4 GOVERNMENT shall dispose of all flushing oil and system effluent.

4.5 Pearl Harbor Naval Shipyard & IMF

C260 Technical Point of Contact:

[redacted], Mechanical Engineer

[redacted]

[redacted]

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.