SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 110-11-001

COAR: 16

PCN: SERV-L059

CMP: NONE

PLANNER: ROBERTS, JEARLD
DEMERS, RAY

1. SCOPE:

1.1 Title: Underwater Hull; inspect and repair

1.2 Location of Work:

1.2.1 Underwater Hull, Sides, Bow and Stern

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 100-7010379 Rev 0, Open Lighter YC 1646 Series Bottom Plating and Sections

2.3 100-7010381 Rev 1, Open Lighter YC 1646 Series Side Plating & Details

2.4 100-7010378 Rev 0, Open Lighter YC 1646 Series Scantling and Sections

2.5 101-4799508, Open Lighter YC 1523 Series Hull Structure & Arrangement

2.6 T9074-AS-GIB-010/271, Requirements for Nondestructive Testing Methods

2.7 MIL-STD-2035A (SH) Rev A, Nondestructive Testing Acceptance Criteria

3. REQUIREMENTS:

3.1 Accomplish a visual inspection within the first 24 hours after drydocking of Barge, upon completion of the hydro pressure water wash cleaning of the underwater hull and prior to painting, from the bottom of the keel to the upper boottop limit, including shell plating, sea chests, skegs and structural members for structural integrity, deterioration, pitting, cracks and areas of damage or distortion, using 2.2 through 2.5 for guidance.

Report: INSPECTION RESULTS (WC) - WORK COMPLETE + 3 days

3.1.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing conditions found to the SUPERVISOR.**(CDRL A001)**

3.2 Accomplish ultrasonic tests on the underwater hull plating, within 72 hours of drydocking, in 200 locations, as designated by the

SUPERVISOR, in accordance with 2.6, using 2.2 through 2.5 for guidance.

3.2.1 The accept or reject criteria must be in accordance with Paragraph 8 of 2.7.

Report: SKETCH AND UT READINGS (WC) - WORK COMPLETE + 3 days

3.2.2 Submit one legible copy, in hard copy or approved transferrable media, of a sketch which includes specific locations with respect to frames, strakes, port or starboard, and existing welded butts and seams to the SUPERVISOR.**(CDRL A002)**

3.2.2.1 Sketch must show location of each reading, original material thickness, existing material thickness, and percentage of material thickness reduction to the SUPERVISOR.

3.2.2.2 Notate if reading is taken over existing doubler plate.

3.3 Accomplish repairs resulting from the visual inspection in 3.1 and ultrasonic testing results of 3.2 in locations as designated by the SUPERVISOR, using 2.2 through 2.5 as follows:

3.3.1 Vee-out and weld repair a total of 100 linear feet of splits, cracks, deteriorated and damaged welds.

3.3.2 Clad weld a total of 500 square inches of plating defects.

3.3.2.1 Surfaces must be ground to smooth metal prior to welding.

3.3.2.2 Fill local pits and grooves with weld metal prior to the application of principal build-up layers.

3.3.3 Install new a total of 200 square feet of 15.3# mild steel doubler plating in areas of deteriorated hull plating as designated by the SUPERVISOR.

3.3.4 Accomplish the requirements of 009-012 of 2.1, including Table 4, Column A, Lines One through 7.

3.3.4.1 Accomplish nondestructive testing in accordance with Line 11.

(V)(G) "AIR HOSE TEST OR WATER HOSE TEST "

3.3.5 Accomplish the requirements of 009-025 of 2.1 for the local air hose or water hose test of each repaired area. Allowable leakage: None.

3.4 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 Work in conjunction with Work Item 123-21-001; Void; clean, inspect and preserve and 631-31-001, Underwater Hull and Freeboard Preservation; accomplish.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

PRELIMINARY SPECIFICATION

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 123-21-001

COAR: 16

PCN: SERV-L060
SERV-L062

CMP: NONE

PLANNER: ROBERTS, JEARLD
DEMERS, RAY

1. SCOPE:

1.1 Title: Void; clean, inspect, and preserve

1.2 Location of Work:

1.2.1 Throughout the Barge

1.2.1.1 Forward Rake Void (1-7-1)

1.2.1.2 Forward Rake Void (1-7-2)

1.2.1.3 Void (1-16-1)

1.2.1.4 Void (1-16-2)

1.2.1.5 Void (1-26-1)

1.2.1.6 Void (1-26-2)

1.2.1.7 Void (1-29-1)

1.2.1.8 Void (1-29-2)

1.2.1.9 Void (1-38-1)

1.2.1.10 Void (1-38-2)

1.2.1.11 Void (1-47-1)

1.2.1.12 Void (1-47-2)

1.3 Identification:

1.3.1 Quantity (12 EA), Void

1.3.1.1 Quantity (12 EA), Associated 15" X 23" Raised Bolted Access Cover

1.3.1.2 Quantity (One EA), Hatch WTRTT Raised 6" Coaming, 36 Inch by 42 Inch, Individually Dogged, 6 Dog (Access to No. 6 Void)

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 100-7010378 Rev 0, Open Lighter YC 1646 Series Scantling & Sections

2.3 100-7010379 Rev 0, Open Lighter YC 1646 Series Bottom Plating and Sections

2.4 100-7010380 Rev 0, Open Lighter YC 1646 Series Deck Plating

2.5 100-7010383 Rev 0, Open Lighter YC 1646 Series Transverse Bhd. & Framing Sections & Details

2.6 100-7010381 Rev 1, Open Lighter YC 1646 Series Side Plating &

Detailss

2.7 101-4799508 Rev C, Open Lighter YC-1523 Series Hull Structure and Arrangement

2.8 600-4799512 Rev B, Open Lighter YC-1523 Series General Outfitting Details

2.9 622-7010388 Rev 0, Open Lighter YC-1646 Series Ladder Details and Grating Installation

2.10 805-1624079 Rev F, Hatch W.T. Raised Individually Dogged 36" X 60" without Scuttle 15 P.S.I. Arrangement

2.11 805-1624071 Rev D, Hatch W.T. Raised Individually Dogged, Dog, Hinge, Brace and Misc. Details

2.12 803-2226372 Rev C, Doors, Hatches, and Scuttles, General Notes

3. REQUIREMENTS:

(V)(G) "JOINT VISUAL INSPECTION"

3.1 Accomplish a joint visual inspection with the SUPERVISOR of each void listed in 1.3 and located in 1.2, for existing preservation coating, structural integrity, deterioration, pitting, cracks, and areas of damage or distortion including structural members, manhole covers and associated coamings, using 2.2 through 2.9 for guidance.

Report: INSPECTION RESULTS (WC) - WORK COMPLETE + 3 days

3.1.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing type, extent, and location of defects to the SUPERVISOR.**(CDRL A003)**

(V)(G) "PRELIMINARY AIR TEST"

3.1.2 Accomplish a preliminary air test of each void. Test pressure must be 2 PSIG. Maintain test pressure for 15 minutes for temperature stabilization prior to start of test. Hold test pressure for 10 minutes.

3.1.2.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing results of the requirements of 3.1.2 to the SUPERVISOR.

3.2 Accomplish the following repairs to the voids listed in 1.3 and located in 1.2, using 2.2 through 2.9 for guidance:

3.2.1 Remove existing and install new a total of (12) each void access cover ring as designated by the SUPERVISOR.

3.2.2 Vee-out and weld repair a total of 100 linear feet of deteriorated and damaged welds as designated by the SUPERVISOR.

3.2.3 Clad weld a total of 500 square inches of plating defects.

3.2.4 Accomplish the requirements of 009-012 of 2.1, including Table 3, Column A, Lines One through 7.

3.2.4.1 Accomplish nondestructive testing in accordance with Line 11.

(V)(G) "JOINT VISUAL INSPECTION"

3.3 Accomplish a joint visual inspection with the SUPERVISOR of the hatch listed in 1.3.1.2 and located in 1.2 for structural integrity, deterioration, pitting, cracks, missing hardware, and areas of wear, damage or distortion, using 2.8 through 2.12 for guidance.

Report: INSPECTION REPORT (WC) - WORK COMPLETE + 3 days

3.3.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing results of the requirements of 3.3 to the SUPERVISOR.**(CDRL A003)**

3.3.2 Remove existing and install new a total of 2 each dog assembly and 2 each wedge assembly in way of damaged or no longer serviceable for continued use resulting from inspection in 3.3, as designated by the SUPERVISOR.

3.3.3 Remove existing gasket from gasket seating surfaces.

3.3.4 Straighten and fair a total of 2 linear feet of gasket retainer.

3.3.5 Straighten and fair a total of 2 linear feet of knife edge.

3.3.6 Accomplish the requirements of 009-032 of 2.1, including Table 2, Line 26, Columns A and B, for surface preparation and primer application of exposed gasket seating surfaces.

3.3.7 Install new synthetic rubber gasket conforming to MIL-PRF-900F, in accordance with Note 10 of 2.12.

3.3.8 Apply a light coat of silicone compound conforming to SAE AS8660 or equal, to exposed gasket surfaces.

3.3.9 Lubricate exposed working parts, using general purpose grease conforming to MIL-DTL-23549.

3.3.10 Adjust the dogs, hinges and wedges for positive dogging action.

(V)(G) "OPERATIONAL TEST"

3.3.11 Cycle the hatch twice (open and close), and check for proper seating, alignment, binding or erratic operation.

3.3.11.1 Accomplish alignment and adjustments to correct discrepancies.

(V)(G) "CHALK TEST"

3.3.12 Accomplish a chalk test of the hatch. Chalk imprint must be centered with 100 percent contact.

3.3.12.1 Adjust each dogging mechanism for proper operation and

to obtain 100 percent centered contact of knife edge to gasket.

3.4 Accomplish the requirements of 009-032 of 2.1, including Table 4, Line 18, for interior surfaces of each void listed in 1.3 and located in 1.2, including interior surfaces of void access covers as designated by the SUPERVISOR.

3.4.1 Topcoat color must match existing.

3.5 Accomplish the requirements of 009-032 of 2.1, including Table 2, Line One, 2, 3, or 4, for exterior surfaces of each void access cover listed in 1.3, including associated coaming.

3.5.1 Method of surface preparation must not include Waterjetting listed in Column A as an option.

(V)(G) "FINAL AIR TEST"

3.6 Accomplish the requirements of 009-025 of 2.1 for final air test of each void listed in 1.3 and located in 1.2. Test pressure must be 2 PSIG. Maintain test pressure for 15 minutes for temperature stabilization prior to start of test. Hold test pressure for 10 minutes. Allowable drop in pressure: None.

3.7 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 The possibility of lead based paint exist in interior surfaces of voids listed in 1.3. Contractor must take safety precautions as required by Paragraphs 3.1.1 and 3.1.2 of 009-032 of 2.1.

4.2 Voids listed in 1.3 are opened and closed in Work Item 992-31-001, Cleaning and Pumping; accomplish.

4.3 Work in conjunction with Work Item 123-21-002, Miscellaneous Attachment; remove.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

PRELIMINARY SPECIFICATION

SHIP:	NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)	ITEM NO:	123-21-002
COAR:	16	PCN:	SERV-L063
		CMP:	NONE
		PLANNER:	ROBERTS, JEARLD DEMERS, RAY

1. SCOPE:

1.1 Title: Miscellaneous Attachment; remove

1.2 Location of Work:

1.2.1 Throughout the Barge

1.2.1.1 Forward Rake Void (1-7-1)

1.2.1.2 Forward Rake Void (1-7-2)

1.2.1.3 Void (1-16-1)

1.2.1.4 Void (1-16-2)

1.2.1.5 Void (1-26-1)

1.2.1.6 Void (1-26-2)

1.2.1.7 Void (1-29-1)

1.2.1.8 Void (1-29-2)

1.2.1.9 Void (1-38-1)

1.2.1.10 Void (1-38-2)

1.2.1.11 Void (1-47-1)

1.2.1.12 Void (1-47-2)

1.3 Identification:

1.3.1 Quantity (200 EA), Misc. Wire Clip, Bracket, Staple

1.3.2 Quantity (One EA), Safety Switch Enclosure (12-inch x 30-inch)

1.3.3 Quantity (2 EA), Fluorescent (24-inch x 2 bulb) Light Fixture

1.3.4 Quantity (One EA), Quad Receptacle

1.3.5 Quantity (2 EA), 4-inch Wiring Junction Box

1.3.6 Quantity (12 EA), Flooding Alarm Sensor (including associated one-inch stand-off pipe, wiring and wiring clips)

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

3. REQUIREMENTS:

3.1 Remove each existing attachment no longer in service listed in 1.3 and located in 1.2, as designated by the SUPERVISOR.

3.1.1 Chip and grind each surface flush and smooth in way of removals.

3.1.2 Remove each one-inch stand-off pipe listed in 1.3.6 and grind

surfaces flush and smooth to match surrounding area.

3.1.2.1 Weld build-up repair a total of 20 inches of surfaces resulting from removals as designated by the SUPERVISOR.

3.1.2.2 Accomplish the requirements of 009-012 of 2.1, including Table 3, Column A, Lines One through 7.

3.1.2.3 Accomplish nondestructive testing in accordance with Line 11.

(V)(G) "AIR HOSE, WATER HOSE, OR VACUUM BOX TEST"

3.2 Accomplish the requirements of 009-025 of 2.1, for an air hose, water hose, or vacuum box test in way of disturbed surfaces that affect the watertight or structural integrity of the Craft. Allowable leakage: None.

3.3 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 Work in conjunction with Work Item 123-21-001, Void; clean, inspect, and preserve.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

PRELIMINARY SPECIFICATION

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 582-11-001

COAR: 16

PCN: SERV-L065

CMP: NONE

PLANNER: DEMERS, RAY
ROBERTS, JEARLD

1. SCOPE:

1.1 Title: Mooring and Towing Fitting; inspect and repair

1.2 Location of Work:

1.2.1 Main Deck

1.3 Identification:

1.3.1 Quantity (2 EA), 14 inch Closed Chock, Piece No. One of 2.2 (One Fwd and One Aft on Centerline)

1.3.2 Quantity (4 EA), 12 inch Closed Chock, Piece No. 2 of 2.2 (2 Port and 2 Stbd)

1.3.3 Quantity (8 EA), 16 inch Cleat, Piece No. 3 of 2.2 (4 Port and 4 Stbd)

1.3.4 Quantity (4 EA), 30 inch Cleat, Piece No. 4 of 2.2 (2 Port and 2 Stbd)

1.3.5 Quantity (4 EA), Double Bitt, 8 inch Dia, Piece No. 5 of 2.2 (2 Port and 2 Stbd)

1.3.6 Quantity (4 EA), Towing Pad Assembly, Forward and Aft, Port and Starboard

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 53711-6282456 Rev -, YFN-1254 Series Covered Lighter, Hull 1265 through 1276, Deck Plan

2.3 53711-6282462 Rev -, YFN-1254 Series Covered Lighter, Hull 1265 thru 1276, Label Plates

2.4 T9074-AS-GIB-010/271, Requirements for Nondestructive Testing Methods

2.5 MIL-STD-2035A (SH) Rev A, Nondestructive Testing Acceptance Criteria

3. REQUIREMENTS:

3.1 Accomplish a visual inspection of each deck fitting listed in 1.3.1 through 1.3.6 and located in 1.2, for structural defects, worn or grooved areas, cracks, dents, broken or defective welds, and missing or defective label plates using 2.2 and 2.3 for guidance.

(I) "MAGNETIC PARTICLE INSPECTION"

3.1.1 Accomplish magnetic particle inspection of 100 percent of attachment welds of inspected fittings in accordance with 2.4. The accept or reject criteria must be in accordance with 2.5.

Report: INSPECTION RESULTS (WC) - WORK COMPLETE + 3 days

3.1.2 Submit one legible copy, in hard copy or electronic media, of a report listing results of the visual and magnetic particle inspections to the SUPERVISOR.**(CDRL A004)**

3.2 Vee-out and weld 20 linear feet of defective welds as designated by the SUPERVISOR.

3.2.1 Clad weld one square foot of defects as designated by the SUPERVISOR.

3.2.2 Accomplish the requirements of 009-012 of 2.1, including Table 3, Column A, Lines One through 7.

3.2.2.1 Accomplish nondestructive testing in accordance with Line 11.

3.3 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 Work in conjunction with Work Item 634-21-001, Nonskid Deck Covering; replace.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 582-11-002

COAR: 16

PCN: SERV-L069

CMP: NONE

PLANNER: DEMERS, RAY
ROBERTS, JEARLD

1. SCOPE:

1.1 Title: Mooring and Towing Fitting; inspect, repair and test (Option Item)

1.2 Location of Work:

1.2.1 Main Deck

1.3 Identification:

1.3.1 Quantity (2 EA), Closed Chock, 14 Inch, Piece No. One of 2.2 (One Fwd and One Aft on Centerline)

1.3.2 Quantity (4 EA), Closed Chock, 12 Inch, Piece No. 2 of 2.2 (2 Port and 2 Stbd)

1.3.3 Quantity (8 EA), Cleat, 16 Inch, Piece No. 3 of 2.2 (4 Port and 4 Stbd)

1.3.4 Quantity (4 EA), Cleat, 30 Inch, Piece No. 4 of 2.2 (2 Port and 2 Stbd)

1.3.5 Quantity (4 EA), Double Bitt, 8 Inch, Piece No. 5 of 2.2 (2 Port and 2 Stbd)

1.3.6 Quantity (4 EA), Towing Pad Assembly, Forward and Aft, Port and Starboard

2. REFERENCES:

2.1 Standard Items

2.2 YC/YFN-600-2536090 Rev B, Mooring-Towing Arrg't

2.3 T9074-AS-GIB-010/271, Requirements for Nondestructive Testing Methods

2.4 MIL-STD-2035A (SH) Rev A, Nondestructive Testing Acceptance Criteria

2.5 NAVSEA S9AA0-AB-GOS-010/GSO Rev 11, General Specifications for Overhaul of Surface Ships GSO 16 January 2024

2.6 600-4799512 Rev B, Open Lighter YC-1523 Series General Outfitting Details

2.7 805-2276338 Rev B, Cleats, Welded Horn Type

2.8 805-1843363 Rev A, Chocks for Synthetic Rope

2.9 53711-6282462 Rev -, YFN-1254 Series Covered Lighter, Hull 1265 thru 1276, Label Plates

3. REQUIREMENTS:

3.1 Accomplish a visual inspection of each deck fitting listed in 1.3.1 through 1.3.6 and located in 1.2, for structural defects, worn or grooved

areas, cracks, dents, broken or defective welds, and missing or defective label plates using 2.2 for guidance.

(I) "MAGNETIC PARTICLE INSPECTION"

3.1.1 Accomplish magnetic particle inspection of 100 percent of attachment welds of inspected fittings in accordance with 2.3. The accept or reject criteria must be in accordance with 2.4.

Report: INSPECTION RESULTS (WC) - WORK COMPLETE + 3 days

3.1.2 Submit one legible copy, in hard copy or electronic media, of a report listing results of the visual inspection and magnetic particle inspection to the SUPERVISOR. **(CDRL A004)**

3.2 Vee-out and weld 20 linear feet of defective welds as designated by the SUPERVISOR.

3.2.1 Clad weld one square foot of defects as designated by the SUPERVISOR.

3.2.2 Accomplish the requirements of 009-012 of 2.1, including Table 3, Column A, Lines One through 7.

(I) "MAGNETIC PARTICLE INSPECTION"

3.2.2.1 Accomplish nondestructive testing in accordance with Line 11.

(I)(G) "STATIC LOAD TEST"

3.3 Accomplish the static load test of each deck fitting listed in 1.3.1 through 1.3.6 and located in 1.2, in accordance with Paragraph 582j of 2.5, using 2.6 through 2.8 for guidance. Hold the test load for ten minutes. Allowable damage, deflection, or deformation: None.

3.3.1 Remove the test load and accomplish a visual inspection of the assembly including associated welds and surrounding structure for structural integrity, cracks, and areas of damage or distortion resulting from the static load test in 3.3.

Report: TEST RESULTS (WC) - WORK COMPLETE + 3 days

3.3.2 Submit one legible copy, in approved transferrable media, of a report listing results of the requirements of 3.3 and 3.3.1 to the SUPERVISOR.**(CDRL A005)**

3.3.3 Accomplish a liquid penetrant inspection on indications of suspect areas resulting from inspection of 3.3.1 in accordance with 2.3. The accept or reject criteria must be in accordance with Paragraph 7 of 2.4.

Report: INSPECTION RESULTS (WC) - WORK

COMPLETE + 3 days

3.3.3.1 Submit one legible copy, in hard copy or approved transferrable media of a report listing results of the requirements of 3.3.3 to the SUPERVISOR.**(CDRL A006)**

3.4 Install stainless steel label plate adjacent to each tested deck fitting in 3.3, in accordance with 2.7 and 2.9. Each label plate must have the following information:

3.4.1 Name of Test/Repair Facility

3.4.2 Barge Name (Hull Number)

3.4.3 Location

3.4.4 Test Date

3.4.5 Test Load

3.5 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 Work in conjunction with Work Item 634-21-001, Nonskid Deck Covering; replace.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 611-11-001

COAR: 16

PCN: SERV-L068

CMP: NONE

PLANNER: ROBERTS, JEARLD
DEMERS, RAY

1. SCOPE:

1.1 Title: Cloverleaf Tie Down Fitting; inspect and repair

1.2 Location of Work:

1.2.1 Main Deck

1.3 Identification:

1.3.1 Quantity (48 EA), Cloverleaf Tie Down Fitting, 3/4 Inch Flush Deck Socket, A36 Steel, Detail B of 2.2 (Similar to PC MK 15 of 2.3)

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 53711-6282456 Rev -, YFN-1254 Series Covered Lighter Hull, 1265 through 1276 Deck Plan

2.3 611-7010384 Rev 0, Open Lighter YC 1646 Series Deck Arrangement and Details

2.4 YC 1679, Main Deck Arrangement Sketch

2.5 804-1213717 Rev J, Vehicle Lashing Sockets

3. REQUIREMENTS:

3.1 Accomplish a visual inspection of each cloverleaf tie down fitting listed in 1.3 and located in 1.2, using 2.2 through 2.5 for guidance.

Report: VISUAL INSPECTION (WC) - WORK COMPLETE + 3 days

3.1.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing results of the requirements of 3.1 to the SUPERVISOR.**(CDRL A007)**

3.2 Remove existing and install new a total of 11 cloverleaf tie down fittings known to be defective and listed in 1.3 and located in 1.2 as designated by the SUPERVISOR, using 2.2 through 2.5 for guidance.

3.2.1 Remove existing and install new an additional 20 each cloverleaf tie down fittings as a result of inspection in 3.1 as designated by the SUPERVISOR.

3.2.2 Template exact size, configuration, and location from existing Barge conditions.

3.3 Install new a total of 48 each cloverleaf rubber covers for the equipment listed in 1.3 and located in 1.2.

3.4 Accomplish the requirements of 009-012 of 2.1, including Table 3,

Column A, Lines One through 7.

3.4.1 Accomplish nondestructive testing in accordance with Line 11.

3.5 Accomplish the requirements of 009-032 of 2.1, including Table 2, Line One, Columns A, B, C, and E, for repairs and areas exposed by removals.

(V)(G) "PROOF TEST"

3.6 Accomplish a proof test of newly installed cloverleaf tie down fittings in accordance with 2.5.

3.7 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 Known source for Cloverleaf Tie Down Fittings and Covers:

Pacific Marine & Industrial

POC: Tremain Burkett

www.pacificmarine.net

tburkett@pacificmarine.net

Phone: 510-233-2310 x203

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 612-11-001

COAR: 16

PCN: SERV-L066

CMP: NONE

PLANNER: ROBERTS, JEARLD
DEMERS, RAY

1. SCOPE:

1.1 Title: Stanchion and Lifeline; install

1.2 Location of Work:

1.2.1 Main Deck

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY26)

2.2 612-7010382 Rev 1, Open Lighter YC 1646 Series Handrail Details

2.3 53711-6282455 Rev -, YFN-1254 Series Covered Lighter Hull, 1265 through 1276 Lifelines % Stanchions Arrangements & Details

2.4 611-7010384 Rev 0, Open Lighter YC 1646 Series Deck Arrangement and Details

2.5 804-5184155 Rev A, Liferails, Lifelines and Awning Stanchions (Alum and Steel) Details and L/M

3. REQUIREMENTS:

3.1 Remove existing and install new a total of 10 stanchions, and all lifelines in location listed in 1.2 as designated by the SUPERVISOR in accordance with 2.2, using 2.3 through 2.5 for guidance.

(V)(G) "CONFIGURATION OF LIFELINES"

3.1.1 Accomplish a joint visual inspection with the SUPERVISOR, to determine actual locations of the following:

3.1.1.1 75 percent of the total lifelines must be stainless steel wire rope, Piece Mark 13 of 2.2.

3.1.1.2 The remaining 25 percent of the total lifeline assembly, Piece Mark 12 of 2.2, must be 1/4-inch stainless steel chains conforming to Grade SAE 304 in lieu of galvanized.

3.1.2 Install stanchion bases in accordance with "Detail 12" of 2.2.

3.2 Accomplish the requirements of 009-012 of 2.1, including Table 3, Column A, Lines One through 7.

3.2.1 Accomplish nondestructive testing in accordance with Line 11.

(V)(G) "AIR HOSE, WATER HOSE, OR VACUUM BOX TEST"

3.2.2 Accomplish the requirements of 009-025 of 2.1 for an air hose, water hose, or vacuum box test of each stanchion base. Allowable

leakage: None.

(I)(G) "STATIC LOAD TEST"

3.3 Accomplish a static load test on the handrails and stanchions installed in 3.1 as follows:

3.3.1 Accomplish a static load test of 10 percent of the installed stanchion and handrails. A test load of 300 pounds must be applied horizontally outboard at the top of the stanchion and perpendicular to the railing and held for ten minutes. Remove the test load and inspect the lifeline rails, stanchions and surrounding structure for evidence of damage or permanent deformation. Allowable damage: None.

3.4 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 Known source for Lifeline and fitting material:

US Cargo Control

202 Blue Creek Dr.

Urbana, IA 52345

(866)444-9990

4.2 Work in conjunction with Work Item 634-11-001, Main Deck Exterior; clean and preserve.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

PRELIMINARY SPECIFICATION

SHIP:	NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)	ITEM NO:	631-11-001
COAR:	16	PCN:	SERV-L053
		CMP:	NONE
		PLANNER:	ROBERTS, JEARLD DEMERS, RAY

1. SCOPE:

    1.1 Title: Main Deck Exterior; clean and preserve

    1.2 Location of Work:

        1.2.1 Main Deck, Forward Perpendicular to Aft Perpendicular, Port and Starboard (preserved surfaces not receiving nonskid)

    1.3 Identification:

        1.3.1 Not Applicable

2. REFERENCES:

    2.1 NAVSEA Standard Items, (FY-26)

    2.2 611-7010384 Rev 0, Open Lighter YC 1646 Series Deck Arrangement and Details

    2.3 53711-6282456 Rev -, YFN-1254 Series Covered Lighter, Hull 1265 through 1276, Deck Plan

3. REQUIREMENTS:

    3.1 Accomplish the requirements of 009-032 of 2.1, including Table 2, Line One, Columns A, B, C and E for a total of 1000 square feet of deck surfaces not receiving nonskid as designated by the SUPERVISOR in location listed in 1.2, including deck attachments, using 2.2 and 2.3 for guidance.

4. NOTES:

    4.1 Work in conjunction with Work Items 123-21-001, Void; clean, inspect, and preserve, 582-11-001, Mooring and Towing Fitting; inspect and repair, 612-11-001, Stanchion and Lifeline; install, and 634-21-001, Nonskid Deck Covering; replace.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

    5.1 LLTM:

        1. None.

    5.2 PUSH MATERIAL:

        1. None.

    5.3 KITTED MATERIAL:

        1. None.

PRELIMINARY SPECIFICATION

SHIP:	NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)	ITEM NO:	631-31-001
COAR:	16	PCN:	SERV-L058
		CMP:	NONE
		PLANNER:	ROBERTS, JEARLD DEMERS, RAY

1. SCOPE:

1.1 Title: Underwater Hull and Freeboard Preservation; accomplish

1.2 Location of Work:

1.2.1 Underwater Hull and Sides Up to the Recorded Draft Line, including Appendages

1.2.2 Freeboard from the Recorded Draft Line Up to Main Deck including Pipe Fendering and Appendages

1.3 Identification:

1.3.1 Quantity (20 EA), D-Shaped Fender, Piece No. 12 of 2.3

1.3.2 Quantity (4 EA), Precurved D-Shaped Fender, Piece No. 13 of 2.3

1.3.3 Quantity (2 EA), D-Shaped Fender, Piece No. 14 of 2.3

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 633-7010389 Rev 1, Open Lighter YC 1646 Series Anode Location and Docking Plan

2.3 611-7010385 Rev 0, Open Lighter YC 1646 Series Bumper Arrangement

2.4 602-7010387 Rev 0, Open Lighter YC 1646 Series Hull Markings

3. REQUIREMENTS:

3.1 Immediately upon drydocking or within 24 hours after drydocking, wash down the hull and freeboard surfaces listed in 1.2 using a high-pressure water washing system, at a minimum pressure of 3,000 PSI, removing surface contaminates and loose non-adhering paint. Surfaces must be free of oil, grease, dirt, soil, salts and contaminants.

3.1.1 Accomplish containment and disposal of all contaminated hydro wash water.

3.2 Record locations of upper and lower boot topping limits, draft marks, Barge name and hull number. Verify location of weld marks for re-establishing layout after underwater hull and freeboard preservation, using 2.2 through 2.4 for guidance.

3.3 Mask and protect existing D-Shaped Fender listed in 1.3 and located in 1.2.2 to protect during preservation operations.

3.4 Accomplish the requirements of 009-032 of 2.1, including Table One, Line 5, for surfaces listed in 1.2.1, using 2.2 and 2.3 for guidance.

3.5 Accomplish the requirements of 009-032 of 2.1, including Table 2, Line 4 for surfaces listed in 1.2.2, using 2.2 and 2.3 for guidance.

3.5.1 Apply hull markings recorded in 3.2.

3.6 Remove masking protection installed on D-Shaped Fender in 3.3.

3.7 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

PRELIMINARY SPECIFICATION

SHIP:	NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)	ITEM NO:	633-11-001
COAR:	16	PCN:	SERV-L061
		CMP:	NONE
		PLANNER:	DEMERS, RAY ROBERTS, JEARLD

1. SCOPE:

1.1 Title: Hull Cathodic Protection Sacrificial Anode; replace

1.2 Location of Work:

1.2.1 Underwater Hull

1.3 Identification:

1.3.1 Quantity (56 EA), Cathodic Protection Sacrificial Anode, Type ZHC-42, 12 Inches by 6 Inches by 2.5 Inches thick, conforming to MIL-A-18001, Class One.

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 633-7010389 Rev 1, Open Lighter YC 1646 Series Anode Location and Docking Plan

2.3 803-0921865 Rev T, Cathodic Protection Sacrificial Anodes

3. REQUIREMENTS:

3.1 Remove existing and install new each cathodic protection sacrificial anode listed in 1.3 and located in 1.2 as designated by the SUPERVISOR, using 2.2 and 2.3 for guidance. Template exact configuration and location from existing Barge conditions.

3.1.1 Observe safety and health precautions of General Note 22 of 2.3.

3.1.2 Remove damaged and install new CRES 316 studs Pc No. 22, conforming to the material requirements of 2.3.

3.1.2.1 Weld repair gouges resulting from removals.

3.1.2.2 Chip and grind each surface flush and smooth in way of removals.

3.1.2.3 Accomplish the requirements of 009-012 of 2.1 including Table 3, Columns A and D, Lines One through 7.

3.1.3 Accomplish the requirements of 009-032 of 2.1 for new and disturbed surfaces prior to installation of cathodic protection sacrificial anodes.

3.1.3.1 The areas covered by cathodic protection sacrificial anodes must receive a complete underwater hull preservation system prior to installing each anode. Do not paint the cathodic protection sacrificial anodes.

3.1.4 Install new CRES self-locking nuts Pc. No. 20, and CRES lock washers Pc. No. 21, conforming to the material requirements of 2.3.

3.1.5 Torque each new cathodic protection sacrificial anode retaining nut, in accordance with Table 4 and General Note 11 of 2.3.

(V)(G) "RESISTANCE TEST"

3.1.5.1 Test each new cathodic protection sacrificial anode to verify electrical resistance between the anode surface and the adjacent metal craft structure is less than 0.1 Ohm, in accordance with General Note 6 of 2.3.

3.1.5.2 Apply antiseize compound conforming to A-A-59313 to all threaded areas of nuts, screws and studs.

3.2 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 Surface preparation and preservation of hull is covered on Work Item 631-31-001, Underwater Hull and Freeboard Preservation; accomplish.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

PRELIMINARY SPECIFICATION

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 634-21-001

COAR: 16

PCN: SERV-L064

CMP: NONE

PLANNER: DEMERS, RAY
ROBERTS, JEARLD

1. SCOPE:

1.1 Title: Nonskid Deck Covering; replace

1.2 Location of Work:

1.2.1 Main Deck, Forward Perpendicular to Aft Perpendicular, Port and Starboard

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 YC/YFN-600-2536090 Rev B, Mooring-Towing Arrgt

2.3 611-7010384 Rev 0, Open Lighter YC 1646 Series Deck Arrangement and Details

2.4 612-7010382 Rev 1, Open Lighter YC 1646 Series Handrail Details

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-032 of 2.1, including Table 2, Line 21, for a total of 3200 square feet of nonskid deck surfaces in location listed in 1.2 as designated by the SUPERVISOR, using 2.2 through 2.4 for guidance.

4. NOTES:

4.1 Work in conjunction with Work Items 612-11-001, Stanchion and Lifeline; install, and 631-11-001, Main Deck Exterior; clean and preserve.

5. GOVERNMENT FURNISHED MATERIAL(GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

PRELIMINARY SPECIFICATION

SHIP:	NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)	ITEM NO:	992-11-001
COAR:	16	PCN:	SERV-L052
		CMP:	NONE
		PLANNER:	DEMERS, RAY ROBERTS, JEARLD

1. SCOPE:

1.1 Title: Towing Service; provide

1.2 Location of Work:

1.2.1 Not Applicable

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 SL740-AA-MAN-010 Rev 4, U.S. Navy Towing Manual (01 July 2002)

2.3 COMDTINST M16672.2D, U.S. Department of Transportation United States Coast Guard, Navigation Rules, International-Inland

3. REQUIREMENTS:

3.1 Provide pilot, towing bridle and towboat service and tow the YC-1679 from Portsmouth Naval Shipyard, Seavey Island, Kittery, Maine to the contractor's plant using 2.2 for guidance. Return the Barge to Portsmouth Naval Shipyard, Seavey Island, Kittery, Maine when directed by the SUPERVISOR.

3.1.1 Pickup and return of the Barge must be accomplished between the hours of 0800 and 1500 Monday through Friday.

3.2 Install and maintain lights in accordance with 2.2 and 2.3.

3.2.1 Install towing lights located on the Stern, Port and Starboard.

3.2.1.1 Install Government Furnished Material (GFM) provided in 5.1.

3.3 Provide self contained gasoline powered portable emergency bilge pumps, minimum capacity of 250 GPM, with suction and discharge hoses and fuel.

3.4 Provide and maintain 2-way radio communication between the towing tug and the YC-1679 Barge at all times while the Barge is manned.

3.5 Install mooring lines provided as GFM in 5.1.

3.6 Maintain the Barge in a seaworthy condition during towing in accordance with 2.2 and 2.3.

3.7 Prior to towing the Barge, accomplish the following:

3.7.1 Lash equipment present to prevent damage during rough seas.

3.7.2 Secure hatches and openings.

3.8 Upon completion of the tow, remove the equipment installed in previous paragraphs and return the Barge to its original condition.

3.8.1 Unlash the equipment lashed during the tow and return to the original location.

3.8.2 Remove covers installed in 3.6 to maintain seaworthy conditions.

3.9 Accomplish the requirements of 009-012 of 2.1, including Table 3, Column A, Lines One through 7.

3.10 Secure the Barge to the pier upon return to Portsmouth Naval Shipyard, Seavey Island, Kittery, Maine.

3.11 Accomplish the requirements of 009-032 of 2.1 for each new and disturbed surface.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 992-11-002

COAR: 16

PCN: SERV-L055

CMP: NONE

PLANNER: DEMERS, RAY

1. SCOPE:

1.1 Title: Temporary Service; provide

1.2 Location of Work:

1.2.1 Not Applicable

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 None

3. REQUIREMENTS:

3.1 Movement of the YC-1679 Barge within the Contractor's facility must be the responsibility of the Contractor.

3.2 Provide a minimum of one well-lighted gangway and landing platform at all times. Gangways and landing platforms must be a minimum of 3 feet in width and designed and constructed to support 75 pounds per square foot.

3.2.1 Install safety nets under gangways and platforms.

3.2.1.1 Safety nets must extend six feet on each side of gangway or platform.

3.2.2 Maintain gangways free of dirt, debris, ice, snow, and foreign matter.

3.2.3 Inclination of gangway must not exceed 45 degrees.

3.2.4 The entire length of the gangway and adjacent areas must be illuminated with weathertight lights, shielded to prevent temporary blinding of personnel.

3.3 Disconnect and remove temporary services when directed by the SUPERVISOR.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 992-31-001

COAR: 16

PCN: SERV-L057

CMP: NONE

PLANNER: ROBERTS, JEARLD
DEMERS, RAY

1. SCOPE:

1.1 Title: Cleaning and Pumping; accomplish

1.2 Location of Work:

1.2.1 Void No. One, Fwd Perpendicular to Bhd 2, Port and Stbd

1.2.2 Void No. 2, Bhd 2 to Bhd 4, Port and Stbd

1.2.3 Void No. 3, Bhd 4 to Bhd 6, Port and Stbd

1.2.4 Void No. 4, Bhd 6 to Bhd 8, Port and Stbd

1.2.5 Void No. 5, Bhd 8 to Bhd 10, Port and Stbd

1.2.6 Void No. 6, Bhd 10 to Aft Perpendicular, Port and Stbd

1.3 Identification:

1.3.1 Quantity (12 EA), 15 X 23 inch, Raised (3" Coaming) Bolted Plate Manhole Cover

2. REFERENCES:

2.1 NAVSEA Standard Items, (FY-26)

2.2 S9086-CJ-STM-010/CH-075, Fasteners

2.3 MIL-HDBK-291, Military Handbook Cargo Tank Cleaning

3. REQUIREMENTS:

3.1 Open, ventilate, empty, clean, render dry, and maintain "Safe for Workers" and/or "Safe for Hot Work" any tank, void or space including adjacent tanks, spaces, or piping systems where the scope of repairs will result in a need for certification during the performance of this Job Order.

3.1.1 Voids listed in 1.2 must be certified and maintained throughout the availability.

3.1.2 Ensure that harmful vapors, fumes, and mists are ventilated to the exterior of the vessel.

3.1.3 Clean and inspect each removed fastener for wear and defects, using Paragraph 075-8.3 of 2.2 for accept or reject criteria. Retain fasteners found acceptable for reuse.

Report: MANHOLE COVER LIST (WC) - WORK COMPLETE + 2 days

3.1.4 Submit one legible copy, in electronic media, of a report listing the location, origin, and quantity of each manhole cover

removed in 3.1 with respect to its void, Barge's frame and distance off centerline to the SUPERVISOR.**(CDRL A008)**

3.2 Dispose of liquids in accordance with federal, state, and local laws, codes, ordinances or regulations.

(V)(G) "INSPECT TANK CLEANLINESS"

3.3 Inspect each void for cleanliness prior to final closing.

3.3.1 Confirm that all personnel have exited the space prior to closure of tanks, voids, and cofferdams. Designate one person to account for all personnel who may have entered the space.

3.3.2 Install each manhole cover listed in 1.3.1, using new 1/8 inch gasket conforming to Mil-PRF-1149, Type I, Class 1, using fasteners retained in 3.1.3.

3.3.2.1 Install new a total of 10 hex head cap screws, including associated washers found unacceptable resulting from inspection in 3.1.3.

3.3.2.2 Apply anti-seize compound to the dogging bolts for 2 each Dogged/Hinged Manhole listed in 1.3.2.

Report: INSPECTION PERSONNEL (WC) - WORK COMPLETE + 3 days

3.3.3 Submit one legible copy, in electronic media, of a report listing the names of personnel who were present during inspection to the SUPERVISOR within 72 hours after completion of final closing. **(CDRL A009)**

4. NOTES:

4.1 For the purpose of this Work Item, the term "tank or space" includes voids, cofferdams, and inaccessible or confined areas.

4.2 Associated piping is defined as, "An assembly of pipe, tubing, valves, fittings and related components forming a whole or a part of a system which starts or terminates in subject area, thus being common to and associated with same."

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

ATTACHMENT A

INVENTORY SCHEDULE - PETROLEUM PRODUCTS

SHIP: _____ CONTRACTOR: _____ SUBCONTRACTOR: _____CONTRACT NO._____LOT NO. _____

TANK NO.	TYPE OF PETROLEUM PRODUCT	ITEM NO.	PUMPED TO TANK/TRUCK BARGE NO.	DATE REMOVED FROM SHIP	TAPE READING		NUMBER GALLONS REMOVED	REMARKS
					START	FINISH		

SIGNATURES

NFD DIRECTOR _____

CONTRACTOR/SUBCONTRACTOR AUTHORIZED REPRESENTATIVE _____

SHIP'S COMMANDING OFFICER'S AUTHORIZED REPRESENATATIVE _____

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446)

ITEM NO: 997-11-001

COAR: 16

PCN: SERV-L056

CMP: NONE

PLANNER: ROBERTS, JEARLD
DEMERS, RAY

1. SCOPE:

1.1 Title: Drydock, Fleet and Undock; accomplish

1.2 Location of Work:

1.2.1 Contractor's Plant

1.3 Identification:

1.3.1 YC-1679 Barge

2. REFERENCES:

2.1 MIL-STD-1625, Safety Certification Program for Drydocking Facilities and Shipbuilding Ways for U.S. Naval Ships

2.2 633-7010389 Rev 1, Open Lighter YC 1646 Series Anode Location and Docking Plan

2.3 S9806-7G-STM-010/CH 997, Docking Instructions and Routine Work in Drydock

2.4 S9806-CH-STM-010/CH-074, Chapter 074, Volume 1, Welding and Allied Processes

3. REQUIREMENTS:

3.1 Furnish a sound dock, qualified personnel and necessary equipment, all certified in accordance with 2.1, to dock the Barge listed in 1.3.

3.1.1 Proposals from bidders requesting the use of uncertified docking facilities must be accomplished by the following requirements.

3.1.1.1 A current independent engineering assessment (no more than one calendar year old) of the proposed facility, verifying that it is structurally and operationally safe.

3.1.1.2 A certificate signed by a person authorized to sign offers, verifying that the facility is presently safe.

3.1.1.3 Engineering stability calculations in accordance with 2.1 and 2.3 verifying that the facility is presently safe.

3.1.2 Use of a certified dock master and a trained docking crew in accordance with 2.1 is required when using an uncertified docking facility.

3.1.3 Provide the services of dockmaster who has been certified by the contractor and accepted by the SUPERVISOR. Provide the necessary supporting personnel to satisfactorily accomplish the docking.

3.1.4 Provide tugs, pilots and personnel for the complete transfer, docking and undocking of the Barge.

Report: STABILITY DATA (WC) - WORK COMPLETE - 5 days

3.2 Submit one legible copy, in hard copy or approved transferrable media of stability data for this particular drydocking to the SUPERVISOR within 5 working days before scheduled docking, in accordance with 2.3, based on data provided in 2.2. Information must include list trim, strength, and stability calculations as required by 2.3, and proposed ballast requirements.**(CDRL A0010)**

3.3 Provide, set and align the blocks in accordance with 2.2. Position blocking to ensure that equipment on the surface of or protruding from underwater hull must not be damaged and must be accessible for removal and repairs. Provide at least the minimum clearance between the Barge hull and drydock necessary to perform drydock work. The minimum clearance must comply with the requirements of 2.2. Ensure that hull openings must not be obstructed. Should the Contractor propose any deviation from 2.2, the proposals must be submitted in writing to the SUPERVISOR within 10 days following award, or 3 days prior to the scheduled docking (whichever comes first).

3.3.1 Proposed deviations must include supporting data substantiating that the block loading pressures are limited to a maximum of 20 long tons per square foot and that at least 90 percent of blocks land on longitudinal strength members or main transverse bulkheads.

3.3.2 Crib and brace blocking in excess of six feet in height in accordance with 2.3 using the drawing applicable to the contractor's type of docking facility.

3.3.3 Blocking must be constructed of hardwood or composite concrete/hardwood and soft caps with at least two inches of soft cap thickness.

(V)(G) "BLOCK INSPECTION"

3.4 Accomplish an inspection of blocking, using Paragraph 997-2.2.3.3 of 2.3 for guidance. Accomplish a final block inspection with the SUPERVISOR at least four hours prior to flooding the dock.

(V)(G) "DRYDOCKING"

3.5 Drydock the Barge in Position 2 of 2.2 in accordance with 2.1 and 2.3.

3.5.1 Immediately after the Barge is drydocked, inspect the fit on the blocks. Provide necessary shimming between blocking and hull in the event of hull movement due to shifting of Barge load.

3.5.2 Accomplish visual inspection of the hull coating and cathodic protection of the entire underwater hull, hull penetrations and appendages from keel to lower boottop for deteriorated conditions.

Report: INSPECTION RESULTS (WC) - WORK COMPLETE + 3

days

3.5.2.1 Submit one legible copy, in hard copy or approved transferrable media, of a report listing results of the requirements of 3.5.2 to the SUPERVISOR.**(CDRL A011)**

3.6 Electrically connect Barge hull when in drydock to the established connection point at the bow and stern of the Barge with minimum 500,000 circular mil cables and ground connection in drydock for protection against lightning and other static charges in accordance with Section 5 of 2.4.

3.6.1 The static ground leads must be connected to the Barge being docked before water is pumped to one foot above keel level.

(V)(G) "FLEET BARGE"

3.7 Fleet Barge to expose hull areas under blocks, to permit 100 percent cleaning, inspection and preservation of underwater hull.

Report: DRYDOCK COMPLETED WORK (WC) - WORK COMPLETE - 1 day

3.8 Submit one legible copy, in hard copy or approved transferrable media, of a report to the SUPERVISOR 24 hours prior to undocking certifying that the contractor's work in specifications requiring the Barge to be in drydock is complete.**(CDRL A012)**

3.9 Remove all temporary lines prior to undocking.

3.10 Undock the Barge at a date and time mutually agreed upon by the SUPERVISOR and the contractor.

(V)(G) "WATERTIGHT INTEGRITY INSPECTION"

3.11 Immediately after hull penetrations are submerged, but before the Barge lifts off the blocks, stop flooding the drydock. Accomplish a watertight integrity inspection of all contractor work affecting watertightness of the hull and hull penetrations below the water level with the SUPERVISOR. Continue flooding of the dock when directed by the SUPERVISOR.

Report: RECORDED CHANGES/NAVSEA FORMS (WC) - WORK COMPLETE + 3 days

3.12 Submit one legible copy, in hard copy or approved transferrable media, of NAVSEA Forms 9997/1 through 9997/5 providing a record of any changes in Barge configurations, such as major weight alterations, cathodic protection installation major hull or shell plating renewals and repairs, or underwater hull and tank preservation to the SUPERVISOR no later than 3 working days after undocking the Barge.**(CDRL A013)**

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.

SHIP: NAVSUPPACT PORTSMOUTH NSY (CNIC 32446) ITEM NO: 998-41-001

COAR: 16 PCN: SERV-L054

CMP: NONE

PLANNER: DEMERS, RAY

1. SCOPE:

1.1 Title: Hazardous Waste Produced on Naval Vessel; control

1.2 Location of Work:

1.2.1 Throughout the Barge

1.3 Identification:

1.3.1 Not Applicable

2. REFERENCES:

2.1 42 U.S.C. 6921, Title 42, The Public Health and Welfare, Chapter 82 Solid Waste Disposal, Subchapter III Hazardous Waste Management 2018 Edition

2.2 49 U.S.C. 5103, Title 49, Transportation, Subtitle III - General and Intermodal Programs Chapter 51 - Transportation of Hazardous Material

2.3 Applicable Hazardous Waste Manifest Form

2.4 10 U.S.C., 8681, Repair or Maintenance of Naval Vessels: Handling of Hazardous Waste

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.

Report: HAZARDOUS WASTE MANIFEST (WC) - WORK COMPLETE + 2 days

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. **(CDRL A014)**

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 must only bear a

generator identification number issued to the Navy pursuant to applicable law. The contractor must obtain SUPERVISOR'S concurrence with the categorization of the waste as Navy-generated before completion of the manifest. The manifest prepared must 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) must 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 must 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) must bear a generator identification number issued to the contractor pursuant to applicable law and must 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 must bear a generator identification number issued to the contractor and must also cite in the remarks block a generator identification number issued to the Navy. The contractor must sign the generator certification on the Uniform Hazardous Waste Manifest whenever use of the manifest is required for disposal. The contractor must obtain SUPERVISOR's concurrence with the categorization of the wastes as co-generated before completion of the manifest. Manifests prepared must 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 must notify the SUPERVISOR within three business days of receipt of written notification by the state. After obtaining approval of the SUPERVISOR, the contractor must 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 must notify the contractor within three business days of receipt of notification by the state. The contractor must 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:

TYPE	NAVY	AMOUNT CO-GENERATED	CONTRACTOR
Acid Solutions (may include spent sulfamic, citric, chromic, nitric, sulfuric, hydrochloric, etc.)	N/A	N/A	N/A
Ethylene Glycol (Antifreeze)	N/A	N/A	N/A
Sodium Hydroxide	N/A	N/A	N/A
Cleaning Solvents	N/A	N/A	50 Gals
Sodium Phosphates (Tri, Bi, or Mono)	N/A	N/A	N/A
Fluorocarbons	N/A	N/A	N/A
Morpholine	N/A	N/A	N/A
Sodium Chromates	N/A	N/A	N/A
Hydrazine	N/A	N/A	N/A
Methyl Ethyl Ketone	N/A	N/A	N/A
Spent Abrasive Blast Material (contaminated with a known hazardous waste)	N/A	N/A	4 Tons
Trichloroethane Gallons	N/A	N/A	25
Miscellaneous Chemicals Gallons (Ignitable)	N/A	N/A	30
Miscellaneous Chemicals Gallons (Corrosive)	N/A	N/A	10
Miscellaneous Chemicals (TCLP Toxic)	N/A	N/A	N/A
Miscellaneous Chemicals Gallons (Reactive)	N/A	N/A	10
Oil (Synthetic) Gallons	N/A	N/A	100
Paints (Enamel, Latex, lbs	N/A	N/A	1200
Epoxy, thinners, oil based,			

rubber paint, nonskid, lacquer, remover, varnishes)			
Paints (May include lead, cadmium, or chrome)	N/A	N/A	200 lbs
Paint Strippers (phenols, lead, chromium)	N/A	N/A	30 lbs
Sludge (Contaminated with a known hazardous waste)	N/A	N/A	N/A
Wool Felt (contaminated with chromium and PCB's)	N/A	N/A	N/A
Ventilation Debris/Residue (Heavy Metals, e.g., cadmium chromium)	N/A	N/A	N/A
Insulation, (May contain Lead)	N/A	N/A	100 Sq Ft
Sludge (Contaminated with a known hazardous waste)	N/A	N/A	100 Gallon
Oily Rags Drums	N/A	N/A	2 Drums

3.6 Notify the SUPERVISOR at least one working day prior to shipment of hazardous waste for disposal.

Report: HAZARDOUS WASTE REPORT (WC) - WORK COMPLETE + 3 days

3.7 Submit one legible copy, in hard copy or electronic 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. **(CDRL A015)**

3.7.1 The report must 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.

3.7.1.1 Chemical analysis must be accomplished by laboratories with state or EPA approved quality assurance programs.

3.7.2 The contractor must 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.

3.8 Nothing contained in this Work Item must 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 must 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.