

SOUTHEAST REGIONAL MAINTENANCE CENTER
LOCAL STANDARD ITEM

FY-21

ITEM NO: 099-51SE
DATE: **02 JAN 2020**
CATEGORY: I

1. SCOPE:

1.1 Title: Non-Hazardous Liquid Waste Removal Operation at Naval Station Mayport; accomplish

2. REFERENCES:

2.1 NAVSEA Standard Items

2.2 SOPA (ADMIN) Mayport Instruction 5090.2 Series (Oily Waste/Bilgewater and Sanitary Sewer/CHT Management)

2.3 Coast Guard Operations Manual

3. REQUIREMENTS:

3.1 Accomplish **each** requirement of 009-09 of 2.1 for the removal of non-hazardous liquid waste, chemical cleaning waste, sludge, and debris as identified in Paragraph 3.2 through 3.8 in accordance with 2.2 and 2.3.

3.1.1 Include the assignment of contractor and subcontractor supervisory personnel and **each** safety precaution.

3.2 Control **each** transfer operation to preclude spillage.

3.2.1 Install, adjust, and maintain an oil containment boom throughout the entire availability (defined as 5 days after the start date of the availability or one day prior to the start of **any** transfer operation, whichever comes first), unless otherwise directed by the SUPERVISOR, around the perimeter of the ship, **each** ship's service barge, berthing barge, paint float, camel, diving vessel, and fuel oil barge during any fueling period when they are alongside/outboard of ship.

3.2.1.1 Ensure each boom is a minimum of 10 feet outboard of the ship's hull. **Anchor each boom** forward, amidship, and aft to prevent contact with the ship's hull. **Maintain each boom** in good condition.

3.2.1.2 Ensure each boom has a minimum of 6 inches of flotation above water, with at least a 12-inch skirt below water. **The** connection between each boom must be oil tight.

3.2.1.3 **Any** operation that **does** not involve a petroleum-based fluid will not require a containment boom.

3.2.2 Report accidental spillage immediately to the Mayport Naval Station Quarterdeck, Harbor Operations, and the SUPERVISOR.

3.2.3 Maintain a spill clean-up kit for each transfer operation involving petroleum, oil, and lubricant (POL). Each kit must consist, as a minimum, of the following:

3.2.3.1 Sock, oil absorbent, 200 feet total length, with the ability to string together as needed and to deploy for use.

3.2.3.2 Oil absorbent pad, 24-inch by 24-inch (400 total) or 16-inch by 16-inch (500 total), or paper boom (200 feet).

3.2.3.3 Oilsorb or equivalent oil absorbent granule, (400 pounds total).

3.2.4 Maintain a spill clean-up kit containing the appropriate absorbent and neutralization agent for the chemical being used for **any** transfer/cleaning operation involving **each** chemical other than POL.

3.2.5 Take immediate action to contain and clean up spillage.

3.2.6 Ensure **each** hose and hose connection does not leak.

3.2.7 Ensure **each** valve is opened and closed by authorized contractor personnel only.

3.3 Contractor container (tank, tank truck) must be empty upon arrival at the work site, containing no hazardous/non-hazardous waste or residue.

3.3.1 Label **each** container to include name of contractor, subcontractor, government contract number, emergency point of contact, **each** content, and date transfer operation commenced. Label must be maintained and legible at all times.

3.3.2 Comingling of **any** incompatible fluid in the same bulk container is prohibited.

3.4 Accomplish waste determination of liquid waste, sludge, and debris in accordance with each applicable federal, state, and local law, code, ordinance, regulation, and Naval Station requirement.

3.5 Oily Waste/Waste Oil, Bilgewater, Compensating Water.

3.5.1 Transfer oily wastewater from compensating fuel oil system into the Oily Waste/Waste Oil (OW/WO) riser system. A description is required on the Oily Waste/Bilgewater Transfer Information Sheet (Attachment A). Prior to discharging any waste to the OW/WO riser, the following are required:

3.5.1.1 Submit one legible copy, in approved transferrable media, of the completed Oily Waste/Bilgewater Transfer Information Sheet, Attachment A, to Public Works Department (PWD) Operating Contractor seven (7) days prior to the date transfer operation is to be accomplished.

3.5.1.1.1 A signed copy of Attachment A must be in the custody of the contractor's on-site representative during **each** transfer operation.

3.5.1.1.2 Contractor must provide the following information to PWD Operating Contractor via phone (904-270-5450): location of discharge to the OW/WO riser system (pier, riser number), quantity of discharge, date, time, how discharge was generated, who generated discharge, person reporting discharge and phone number where they can be reached, prior to discharging any waste to the OW/WO riser.

3.5.1.2 Transfer non-hazardous liquid Monday through Friday during normal working hours (0800 to 1800).

3.5.1.2.1 Transfer operation outside normal hours or those requiring long-term continuous use must be arranged with PWD Operating Contractor a minimum of 24 hours in advance for weekdays and 48 hours in advance for weekends.

3.5.1.2.2 Transfer operation outside working hours **will** require prior approval of Harbor Operations. To arrange emergency connections after-hours, on weekends, or on holidays contact the **Mayport Naval Station Quarterdeck** and the SUPERVISOR.

3.5.1.2.3 Provide adequate lighting to ensure safety and detection of spills.

3.5.1.3 Comply with the following requirements for gravity flow into the OW/WO riser collection system.

3.5.1.3.1 Hook **each** hose from the contractor's container to the OW/WO riser collection system utilizing an in-line strainer.

3.5.1.3.2 The in-line strainer basket must have a minimum open area 2-1/2 times the area of the connecting pipe and have 1/4-inch perforations.

3.5.1.3.3 Strainer basket must be made of perforated steel.

3.5.1.3.4 Transfer into OW/WO riser collection system must not exceed 200 gallons per minute (GPM). **A** pump must be used only in an emergency condition with prior approval of PWD Operating Contractor, Naval Station Harbor Operations, and the SUPERVISOR.

3.5.1.4 Station a watch at the appropriate lift station for the duration of **the** transfer operation. Watch must be in direct communication with the transferring unit and the pumping station, and is responsible for securing **the** transfer operation under the following conditions:

3.5.1.4.1 Lift station wet well level exceeds 6 feet and/or the alarm sounds.

3.5.1.4.2 Lift station pump fails to start when level rises to 3 feet.

3.5.1.4.3 Lift station pump stops for any reason (loss of electricity, thermal overload, mechanical failure, etc.) other than low level.

3.5.1.4.4 Any abnormal or unusual color, odor, or foaming is observed.

3.5.1.4.5 Shutdown the generating flow immediately and contact the PWD Operating Contractor.

3.6 Collection, Holding and Transfer (CHT).

3.6.1 Transfer non-hazardous liquid waste into the Collection, Holding and Transfer (CHT) riser collection system in accordance with the CHT & Sanitary Discharge Guidance, Attachment B, as follows:

3.6.1.1 Prior to discharge, evaluate liquid to ensure no prohibited item listed in Attachment B is present (e.g., foam, fuel).

3.6.1.2 Obtain sample, and perform analysis for **each** following item: pH, Hydrogen Sulfide (H₂S), Chemical Oxygen Demand (COD), and salinity. Field test kit/equipment may be used to obtain **each** result; however, **each** sample must be collected, handled, and reported by appropriately trained personnel.

3.6.1.3 Provide copy of **each** analytical result to the SUPERVISOR to confirm **each** limit in Attachment B is not exceeded before commencing any pumping operation.

3.6.1.4 Dispose of wastewater that complies with **each** Appendix B requirement into the CHT riser system.

3.6.1.5 Super-chlorinated and boiler feed water must not be pumped into the bilge.

3.6.2 Transfer non-hazardous liquid Monday through Friday

during normal working hours (0800 to 1800).

3.6.2.1 Transfer operations outside normal hours or those requiring long-term continuous use must be arranged with PWD Operating Contractor a minimum of 24 hours in advance for weekdays and 48 hours in advance for weekends.

3.6.2.2 **Each** transfer operation outside working hours **will** require prior approval of Harbor Operations. To arrange emergency connection after-hours, on weekends, or on holidays contact the NAVSTA Mayport Quarterdeck and the SUPERVISOR.

3.6.2.3 Provide adequate lighting to ensure safety and detection of spills.

3.6.3 Comply with **each** following requirement for gravity flow into the CHT riser collection system.

3.6.3.1 Hook **each** hose from the contractor's container to the CHT riser collection system utilizing an in-line strainer.

3.6.3.2 The in-line strainer basket must have a minimum open area 2-1/2 times the area of the connecting pipe and have 1/4-inch perforations.

3.6.3.3 Strainer basket must be made of perforated steel.

3.6.3.4 Transfer into CHT riser collection system must not exceed 100 gallons per minute (GPM). **A** pump must be used only in emergency conditions with prior approval of PWD Operating Contractor, Naval Station Harbor Operations, and the SUPERVISOR.

3.7 Off-Base Disposal.

3.7.1 Dispose of non-hazardous liquid waste (including chemical cleaning non-hazardous liquid waste), bilge water, Aqueous Film Forming Foam (AFFF), soap, detergent, surfactant, non-pumpable sludge, and debris off Mayport Naval Station in accordance with each federal, state and local law, code, ordinance, and regulation.

3.7.1.1 Submit one legible copy, in approved transferrable media, of completed transport document, i.e., Bill of Lading or Non-Hazardous Waste Manifest, including waste determination, to the SUPERVISOR.

3.7.1.2 The use of current waste profiles for disposal of non-hazardous liquid waste, with the exception of chemical cleaning waste, is authorized.

3.7.1.3 Current waste profiles are those approved within the last twelve calendar months. Profiles dated earlier will be rejected by the SUPERVISOR.

3.7.1.4 Provide waste profile documentation, including waste analyses, MSDS, and associated waste approval letter, if applicable, in approved transferrable media to the SUPERVISOR upon request.

3.8 Remove and secure **each** equipment and hose. Clean area upon completion of **each** transfer operation.

4. NOTES:

4.1 Secure **each** transfer operation during Thunderstorm Condition I, Gale/Storm/Hurricane Condition I, or during **each** local lightning condition.

4.2 A reservation will be established in the Job Order for off-base disposal of non-hazardous liquid waste.

4.3 Important telephone numbers are listed in Attachment A and B.

ATTACHMENT A
OILY WASTE/BILGEWATER TRANSFER INFORMATION SHEET

(Routine transfers complete Sections I, II, III)
(Ship Repair Contractors complete Sections I, II, IV)

Today's Date: _____ Pier/Berth: _____

Ship/Activity: _____ Riser No: _____

I. Transfer Start Date: _____ Transfer Start Time: _____

Transfer Stop Date: _____ Transfer Stop Time: _____

Pumping Rate (gpm): _____ Total (gal): _____ No. of Hoses Needed: _____

Harbor **Port** Operations Approval for after-hours: _____ Date: _____

II. Description of material to be transferred: _____

Quantity of material to be transferred (In Gal) _____

(Fresh/saltwater ballast, compensating water, oily wastewater, etc.) If applicable, note any special circumstances about the generation of the material; fuel spills, odors, appearance, foaming, color, etc.: _____

III. HIP CERTIFICATION FOR ROUTINE TRANSFER

I hereby declare that the OW/bilgewater transferred is as described above and does not contain prohibited substances as listed in Enclosure (1) of SOPA (ADMIN) MYPTINST 5090.2G.

Authorized Representative (Sign and Print Name)

Date

Phone Number _____ FAX Number: _____

IV. SERMC/CONTRACTOR _____ PWD JON: _____

Contractor: _____ ITEM No. _____

Subcontractor: _____ Source: _____

Surveyor: _____ DSR No: _____

Phone Number: _____ FAX Number: _____

In accordance with NAVFAC SE requirements and applicable Code of Federal Regulations for disposal of waste liquids, certify that the lab analysis has been reviewed and is satisfactory for disposal through the NAVSTA MPT OWWO Pier riser system.

Supervisory Surveyor: _____

IMPORTANT TELEPHONE NUMBERS :

AFTER-HOURS EMERGENCIES: NAVSTA Mayport Quarterdeck: (904) 270-5401; Command Duty Officer: (904) 219-9705/**234-3557**

HARBOR **PORT** OPERATIONS: (904) 270-5266 OR (904) 270-5250 **ext. 301**

PWD Mayport BOS CONTRACTOR OFFICE: (904) 270-6761, FAX: (904) 249-9752

PWD Mayport BOS Contractor OWWO TREATMENT PLANT: (904) 270-5450

NAVSTA Mayport ENVIRONMENTAL: (904) 270-6730

PWD Utilities: (904) 270-3182/3180

ATTACHMENT B

CHT DISCHARGE GUIDANCE, CONTACT INFORMATION AND REPORTING INSTRUCTIONS

Contaminant discharge limits listed below are based on the ability of the NAVSTA Mayport WWTF to meet limits in the Installation Commander's Discharge Permit (FL0000922). Any such discharges increase the risk of violations, which are reported to the State of Florida and are subject to possible Notices of Violation (NOVs) and fines. Therefore, when these contaminants are identified, actions will be taken such as shutting down lift stations and/or disconnecting ships from risers. Complying with and enforcing this guidance is mandatory.

CONTAMINANT	LIMIT
AFFF Fire Fighting Materials	NOT ALLOWED (Off-Site Disposal Required)
Ballast Water / Sea Water / Salt Water	Notify BEFORE DISCHARGE if >20,000 gallons within 24-hr period
Bilge Water	NOT ALLOWED (Send to OWTP)
Compensating Water	NOT ALLOWED (Send to OWTP)
Concentrated Soaps, Detergents, Surfactants	NOT ALLOWED (Off-Site Disposal Required)
Industrial Wastewater	NOT ALLOWED (Off-Site Disposal Required)
Disinfectants	NOT ALLOWED (Off-Site Disposal Required)
Hazardous Materials (e.g., mercury and mercury-containing products, items with expired shelf life, misc. chemicals)	NOT ALLOWED (Off-Site Disposal Required)
High and low pH substances (e.g., acids, bases)	NOT ALLOWED if pH is < 6.5 or > 8.5 (Off-Site Disposal Required)
Fuels, Oils, Greases, Hydraulic Fluids, Lubricants	NOT ALLOWED (Off-Site Disposal Required)
Cooking Oil, Cooking Grease/Fat	NOT ALLOWED Take to Recycle Ctr, Bldg 412, Ph: (904) 270-5095; or complete DD Form 1348-1 to arrange pickup by Hazardous Waste Facility, Ph: (904) 270-6468
Toxic Substances	NOT ALLOWED (Off-Site Disposal Required)
Pharmaceuticals	NOT ALLOWED (Off-Site Disposal Required)
Plating/Surface Finishing Chemicals (e.g., metal etching or pre-treating chemicals, rust or scale remover)	NOT ALLOWED (Off-Site Disposal Required)
Mercury (e.g., contents from fluorescent light bulbs or thermometers)	NOT ALLOWED (Off-Site Disposal Required)
Rags and feminine hygiene products	NOT ALLOWED
Solvents and Degreasers	NOT ALLOWED (Off-Site Disposal Required)
Hydrogen Sulfide (H ₂ S)	> 100 mg/L NOTIFICATION/APPROVAL REQUIRED
Chemical Oxygen Demand (COD)	> 800 mg/L NOTIFICATION/APPROVAL REQUIRED
Biological Oxygen Demand (BOD)	> 500 mg/L NOTIFICATION/APPROVAL REQUIRED

CONTACT INFORMATION:

Notification/Questions:

- DURING DUTY HOURS:
 - o PRIMARY: Base Operating Services Contractor (904) 270-6761
 - o ALTERNATES: PWD Mayport (904) 270-3515/3180/3182
- AFTER DUTY HOURS:
 - o PRIMARY: Call Command Duty Officer at (904) 219-9705
 - o ALTERNATE: Call Fluor Federal Services at (904) 270-5149

Reporting Instructions:

- PROVIDE THE FOLLOWING:
 - o Name of substance
 - o Volume (gallons), estimate of volume of water and waste included in CHT system to be discharged
- Estimated volume of substances(s) for which discharge is requested