Ship to Shore Bilgewater Management

Agenda:

Background

Requirements

Procedures

Background

- Bilgewater is a combination of oil, water and other materials, normally less than 5% oil.
- Bilgewater spills on water require notification and reports per OPNAVINST 5090.1B and COMNAVBASESDIEGOINST 5090.1B.
- Bilgewater transfers from ship to pier are regulated by federal regulations (CFR Title 33).

Federal Law Requires:

- Stop flow within 30 seconds of problem
- Designate a Vessel Person in Charge (VPIC) and Facility Person in Charge (FPIC)
- Perform an inspection checklist: Declaration of Inspection (DOI)
- Perform a Pre-Transfer conference
- Maintain **continuous** two-way voice communication between VPIC and FPIC

Main Objectives

- Procedures are needed
  - To comply with federal law (CFR Title 33)
  - To prevent oil spills
- Weakest Link
  - Hose connection from ship to pier riser

Procedures

- PWC will provide certification, initial training to VPICs, and a training package
- PWC will provide radios, picked up by ship, prior to pumping and returned when pumping complete
- 30 minutes prior, VPIC and FPIC hold pre-transfer conference
- VPIC completes Declaration of Inspection (DOI)
- Ship posts watch at pier riser, VPIC requests authorization for pumping
- Pumping continues until complete or stopped

BOWTS Information

Capacities

NAVSTA

50-100 gpm flow rate

600,000 gal oily waste storage capacity

250,000 gal recovered oil storage capacity

NASNI

50-100 gpm flow rate

465,000 gal oily waste storage capacity

150,000 gal recovered oil storage capacity

Cont: BOWTS Information

Capacities

SUBASE

50 gpm flow rate

40,000 gal oily waste storage capacity

4,000 gal recovered oil storage capacity

NAB

20 gpm flow rate

8,000 gal oily waste storage capacity

4,000 gal recovered oil storage capacity

Implementation

- Transfer Hours
  - **Aircraft Carriers: 24-Hours/Day Monday-Sunday**
  - **Submarines: 0730-1530 Monday – Sunday**
  - **Vessels: 0800-1600 Monday- Friday**
  - **Vessels @ NAB/Pier 21 0800-1600 Monday -Sunday**
- Transfer operations Between 1600 and sunset require ISIC approval
- Transfer operations after sunset require TYCOM approval

Pre-Transfer Conference

- Can be performed by telephone, face to face contact, or by radio
- Occurs at least 30 minutes prior to transfer
- **Purpose**
  - Verifies two-way voice communication
  - Ensures system readiness and proper alignment
  - Transfers necessary information between VPIC and FPIC

Pre-Transfer Conference Information

- Vessel name
- VPIC name
- Desired commencement time
- Product type (percent oil/water)
- Estimate of volume
- Estimate length of time required to pump
- Sequence of operations (if appropriate)
- Transfer rate and pressure
- Emergency Procedures, including shutdown
- FPIC notify if any restrictions

Declaration of Inspection (Vessel)

- Must be completed and signed prior to start of transfer operation
- Requires VPIC verification of shipboard alignment, hose condition, connection free of leaks, etc.
- Not applicable items marked N/A.

Transfer Operation

- If additional time is required to complete transfer, contact FPIC 15 minutes prior to for authorization
- VPIC notify FPIC when transfer completed
- Flush system with salt or fresh water for (4) minutes per 50 feet of hose (before disconnect)
- Return radio to FPIC

Connection Services

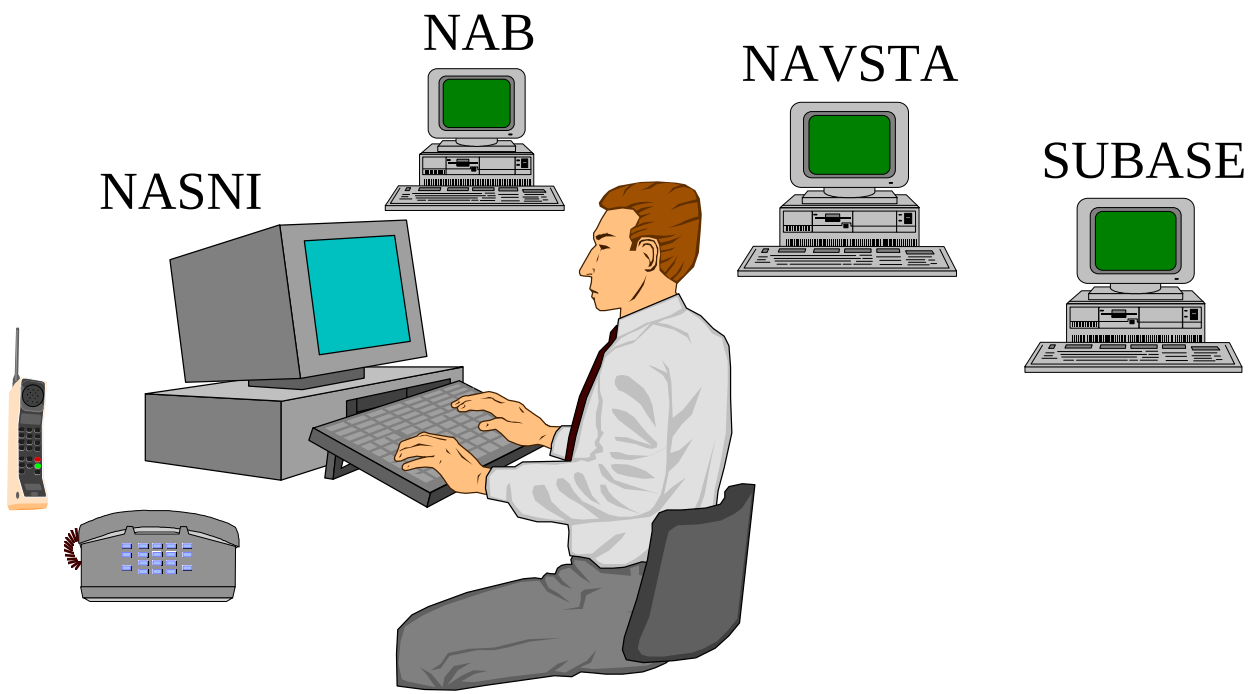
- Subase
  - SUBRON 11 will coordinate for subs.
  - Other ships, request as part of LOGREQ.
- NAVSTA/NASNI
  - Request connection services as part of LOGREQ prior to in port arrival.
- Connections/disconnections performed like other shore utilities.
- Special requests for connect/disconnect services will be made directly to PWC Duty Desk at 556-7349

Radios

- NAVSTA
  - Normal working hours, pick up at NAVSTA BOWTS (556-9688). If you can't reach someone, call 545-7537 to obtain a radio
- Subase
  - Normal working hours (0730 – 1530), pick up at Subase BOWTS operator, head of North pier (553-8924). After normal working hours, call 545-7537 to obtain a radio
- NASNI
  - Pick up at NAS North Island, Industrial Waste Treatment Plant, Bldg. 788 (545-7537)
- NAB
  - Only Pier 21, or volumes greater than 7,750 gals
  - Contact NAS North Island, Industrial Waste Treatment Plant, Bldg. 788 (545-7537) to schedule a pumping time and radio delivery

Central Monitoring/Scheduling Office

- Dedicated monitoring of 4 facilities (Subase, NAB, NASNI, NAVSTA)
- Provide transfer operations 24 hours per day, seven days a week with 30 minutes notice (provided ship has picked up radio)
- Pump stations are computer monitored, can detect unauthorized pumping



Spill Response

- Riser Connection - Shipboard personnel from transferring vessel
- On the pier - Call 9-911 Federal Fire Dept.
- On the water - NAVSTA Central Oil Recovery - 556-8006
- Onboard the facility - PWC

Prohibited Substances

- Sanitary Wastes (CHT)
- Large volumes of off-spec fuel
- Large volumes of high oil content bilgewater
- Large volumes of Lube oil
- Any amount of low flash point fuels
- Any amount of solvents
- AFFF (without anti-foam)

How to Dispose

- Sanitary Wastes - Use CHT riser on pier
- Off-spec fuel/high oil content bilgewater
  - Notify PWC (545-7537/556-7349) three working days prior to desired offload date. Depending on volume, may dispose at FISC Pt. Loma, or other locations
  - Pull a sample and send sample to PWC Environmental Lab (545-8431). Test for metals, flash point, total halogens, PCBs. Request 24-hour turn around.
  - Contact FISC Pt. Loma (553-5215) with results
  - If rejected, contact PWC (556-9482) for disposal options

How to Dispose (cont.)

- Low Flashpoint Fuel
  - If flashpoint above 107°F., dispose at FISC Pt. Loma (after lab analysis)
  - If flashpoint above 143°F., dispose at NAB, NASNI, SUBASE, or NAVSTA
  - If flashpoint below 107°F., call PWC (556-9482) for disposal options

How to Dispose (cont.)

- Lube Oil
  - If unused, contact FISC HAZMART at 556-6121
  - If contaminated, contact PWC 556-9601 for disposal
- Bilgewater contaminated with hazardous waste, AFFF, mogas or solvents - Call PWC at 556-9482 for disposal

PROCESS SUMMARY