

Prevention First- October 07, 2014

# Bunkering Incidents and Accidents at Container Terminals

by CAPT Jeff Cowan



# Best Maritime Practices

## Essential Communications: Tankerman Check Sheet

- a. What are the bay designations directly forward and aft of the house on this ship that overlap the bunker barge?
- b. Is there any planned loading, discharging, or lashing in these bays?
- c. When does the terminal plan to work these bays?

# More Practices

- d. Is any of the work in these bays going to extend into the two or three offshore positions?
- e. Can these positions be worked in a specific time frame so possible conflicts are avoided?
- f. What time periods is the stevedore going to shut down cargo operations for breaks, lunch, etc.?

# Area or Zone of Concern

- *Tankermen, Terminal Personnel, (Superintendents, Foremen, Lashers, Crane Operators) and Vessel Personnel (Chief Mate and Engineer) all must be cognizant and take particular care **when lashing or cargo operations** take place in the **outer three stacks** of containers in bays adjacent to the bunker barge if the transfer is in progress.*

# Area or Zone of Concern



# Excitement!



# More Excitement



# Another Exciting View



# From Stern



Bunker Barge &  
Tug

# Understanding The Bunkering Process

- *Vessel Arrives for Cargo Operations*
  - *Terminal plans operations*
    - *Cargo Flow Sheet or Crane letter of Operations (CFS or CLO) is prepared*
    - *Terminal gives CFS/CLO to Agent to pass to Chief Mate/Chief Engineer and Tankerman*
  - *Agent Coordinates bunker barge arrival*

# Bunkering Stages

- Pre-Arrival
- Arrival / Hook-up
- Bunkering
- \*Look out below!\*
- Disconnect
- Departure- Adios!

# Connectors Hold!



Really.....



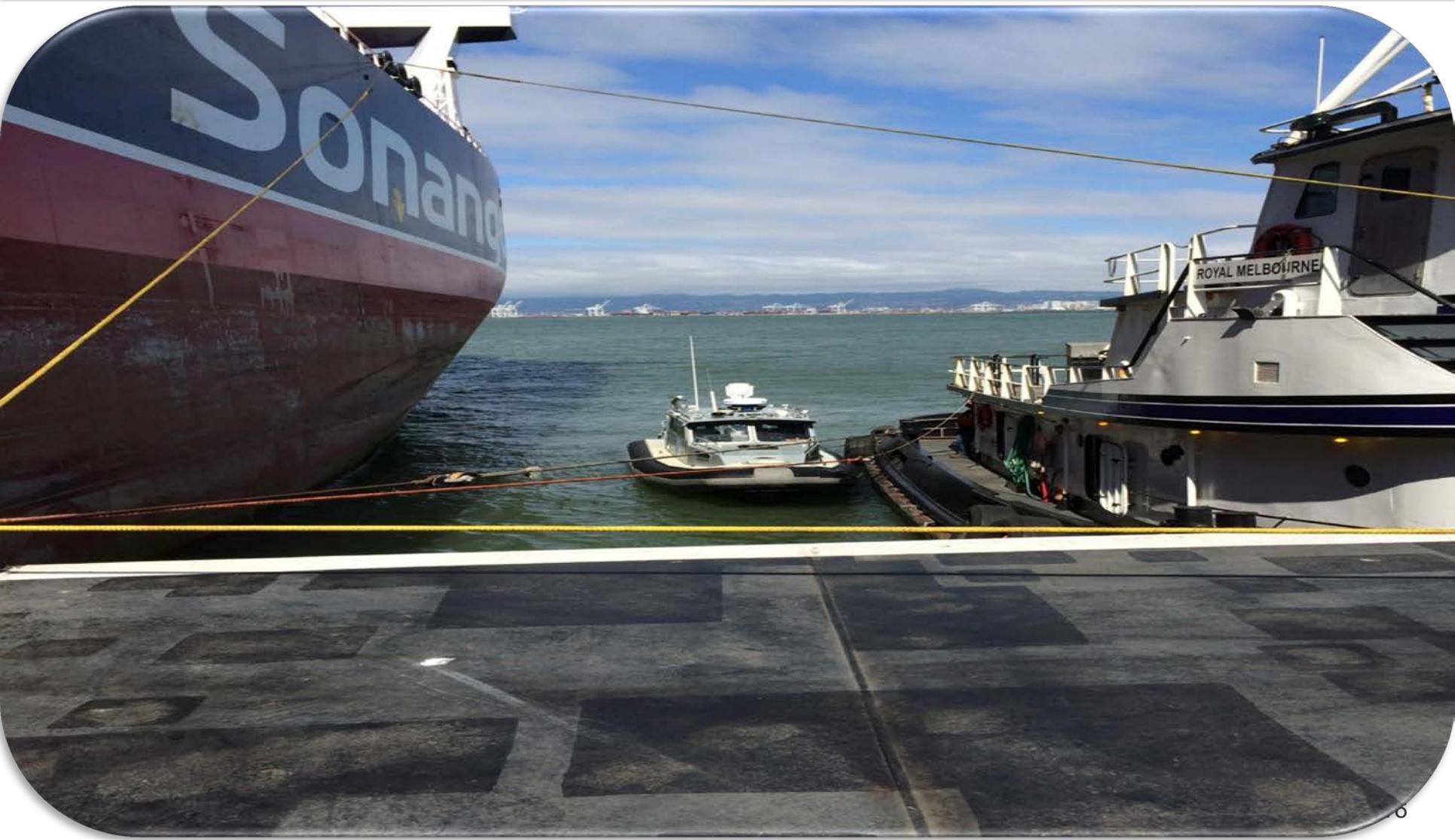
# Arrival / Hook-up BMPs

- Provide Safe Access Between Vessels
- Face To Face (FTF) w/ handshake
- Pre-Transfer Conference

# FTF-Wanna Climb?



# Bunker Barge Aft Deck



# Bunker Barge w/ Company



# Flipped



# How to Avoid!

- Communication!!
  - **Ship Super**-Informs Longshore gang where to discharge/load.
  - **Chief Engineer**- Maintains comms w/ barge
  - **Chief Mate**- Cargo – mitigates list of ship
  - **Rover**- Duty Mate
  - **Tankerman**- on barge
  - Standby **Wiper**- at header and comms w/ CE & barge

# How to Avoid (2)

- **Ship Super-** Keeps Long Shore gangs away from barge.
- **Captain** – ashore!

# IMPORTANT!

- Ensure *everyone* involved knows he or she has the *Responsibility to STOP* the transfer process at any time, should anything appear to be out of order

# Cargo Working Adjacent Barge

**SHUT her  
DOWN!!!**

Tankerman retreats to tug or offshore side of barge.

**Get their ATTENTION!**

But.....

# But

Time is Money!  
Linehandlers Ordered  
Pilot Ordered  
Another ship needs berth  
Miss train connection  
Order another gang  
Wally won't get rubber ducks in time.

# Data Sources

## **APL**

Kevin Krick

Bob Clark

## **Foss Maritime**

Steve Barrett

Bob Gregory

## **Pacific Maritime Association**

Michael Hall

Gerald Swanson

# Thank You

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