

## **Ballast Water Training - Exercises**

### **General**

#### **Question 1:**

What are the main issues facing Tunisia before they ratify the BWM Convention?

#### **Question 2:**

What will be the main issues facing Tunisia after they ratify the BWM Convention?

### **FSI Exercises**

- 1). A Tunisian ship owner contacts you for advice. He has ordered a new ship and wants to put a ballast water treatment system on board that is type approved by the German Government. He asks if this is allowed on a Tunisian Flagged ship? What advice do you give them?
- 2). As a Maritime Administration you are approached by a major shipping company in your country. They are in the process of building two new ships in the Japan for delivery in 2022. They have done nothing with respect to ballast water management and are thinking of leaving a space for a BWTS for retrofitting. Assuming that Tunisia will implement all the articles of the BWM Convention. What advice would you give?
- 3). A company in Tunisia specialising in sewage treatment with no previous experience with ballast water issues phones you up

and tells you that their water treatment system is the best in North Africa. They want to develop a system to install on ships and already have opened discussions with a Tunisian ship owner who is interest in their treatment system. What advice do you give?

## **PSC Exercises**

### **Question 1:**

You are the Lead for Ballast Water issues in your country. A vessel arrives in port without a Ballast Water Treatment System on Board. You are asked by the PSC Officer to advise him how to check if the vessel is in compliance with the BWM Convention and whether it should have a system on board. What information does he have to gather to make this assessment?

### **Question 2:**

A ship is due to arrive tomorrow in your port. The vessel has notified you in advance that its BWM System is not working. The ship is a bulk carrier, is in ballast and needs to discharge this in port in order to load its next cargo? What advice do you give the vessel?

### **Question 3**

Imagine that Tunisia has implemented the Ballast Water Management Convention fully. A ship comes into port and during the initial inspection it is proved that the vessel has no International Ballast Water Management Certificate and but has a ballast water management plan is onboard. The UV ballast

water management system indicates that half the UV lamps are not working. What do you do?

#### **Question 4**

In the situation in Question 3, following a more detailed inspection the ballast water management plan says that the UV system will meet the D-2 Standard with 50% of the UV lamps working. Will you sample as part of the PSC inspection?

### **Enforcement Exercises**

#### **Question 1**

A ship begins to de-ballast in the port of Skhira and informs you that its ballast water system has suddenly broken down and the ship cannot continue treating its ballast water. What options does it have?

#### **Question 2**

A British Ship arrives in a Tunisian port and during an inspection it is found not to have a ballast water treatment system on board. On questioning the Master, he tells you that as the UK has not ratified the BWM Convention, he does not have to comply. What is your response?

#### **Question 3**

A ship comes into your port and whilst inspecting the Ballast Water Record Book, the PSC inspector finds that the ship has not treated its Ballast Water but simply exchanged it during the last 5 hours of its voyage. What information do you need to gather to assess if the ship is in compliance with the BWM Convention?

