

This is how we think when we are  
under pressure



**We have been under pressure on and  
off for over 20 million years**



# We have a shortage of officers and they are under pressure



# This is not the answer

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# Its not about this either

**Risk Assessment Sheet** [Close]

Operation Group: MAJN ENGINE MAINTENANCE (MEM)      C/L or Procedure:  Abandonship  
 ANCHORING  
 Arrival Port Check list  
 AUTO - HEELING TANK OPERATION  
 BALLASTING / DEBALLASTING OF HOLD  
 BALLASTING / DEBALLASTING WATER BALLAST T  
 Breach of Cargo tank containment  
 Break away from jetty during cargo transfer

Task: Exhaust boiler water washing (MEM00019)

Code: OFF-MEM-APP-25Mar06-181759      Rev. No: 0

Date: 30 Dec, 1699      Prep. By: Chief Engineer

Approved: Superintendent  Approved      Selected Checklist(s):

Double-click on the Risk Ranking value cell to see the risk matrix.  
 Double click on headers of 'Severity' and 'Frequency' columns to see descriptions.

No.	Hazard	Consequence	Initial Risk			Existing Control			r	
			Risk Category	Severity	Frequency	Risk Ranking	Ref to Procedures	Safety Precu to be taken		Add to Job
1	EGB wash water drain pipe choked with soot	If not checked before washing, the Boiler floor will fill up making the operation a handicap. Undesirable	People	3	3	MEDIUM	Checklist E016	Ensure that the drain pipe is clear. Wear PPE	<input checked="" type="checkbox"/>	P
			Environment	1	1	LOW				E
			Property	1	1	LOW				P
			Business	1	1	LOW				B
2	Incomplete Inspection & / or assessment of Exhaust Boiler condition	Possible dangerous condition (excessive soot accumulation) not assessed, Undesirable	People	3	3	MEDIUM	Maintenance manual, MTM 7.1.13 General briefing	Carry out thorough inspection, look for all possible defects that need attention	<input checked="" type="checkbox"/>	P
			Environment	1	1	LOW				E
			Property	2	2	LOW				P
			Business	2	2	LOW				B
3	Unfavorable weather conditions, ship rolling & pitching	Injury to personnel Undesirable delays	People	3	3	MEDIUM	CO5WP	Avoid / postpone relevant operation till weather conditions are normal / plan out for/ during port	<input checked="" type="checkbox"/>	P
			Environment	1	1	LOW				E
			Property	2	3	LOW				P
			Business	2	2	LOW				B
4	EGBoiler water Circ. Pump stopped immediately / soon after Stopping M/E	Damage to Machinery Undesirable delays	People	2	2	LOW	Maintenance manual, CO5WP 22.7.4, 22.7.5, Caution notice on	Boiler water Circ. Pump must not be stopped for atleast 12 hours after stopping M/E	<input checked="" type="checkbox"/>	P
			Environment	1	1	LOW				E
			Property	3	3	MEDIUM				P
			Business	2	2	LOW				B
5	EGBoiler steam side not isolated, Circ. Pumps not Locked-off	Injury to personnel Undesirable delays	People	2	3	LOW	Maintenance manual, CO5WP 22.7.4, 22.7.5, Caution notice on	Lock off Circ. Pumps, Shut Inlet & return Circ. Water valves	<input type="checkbox"/>	P
			Environment	1	1	LOW				E
			Property	2	2	LOW				P
			Business	1	1	LOW				B
6	M/E Starting air not blocked	Major/Fatal Injury, Damage to Machinery	People	3	2	MEDIUM	CO5WP 22.4, Block starting	Block M/E starting mechanism, Shut off	<input type="checkbox"/>	P
			Environment	1	1	LOW				E

Preview Sheet    Add New Hazard    Remove Hazard    Save Risk Assessment    Save As New Risk Assessment

### **Annotated Map**

1. Of ship with marked spots that need attention
2. charts

### **Problem watch**

Painting team shorthanded

### **People**

Where is captain  
Who is painting?  
Who is on watch?

### **Weather info**

### **Recent events**

Painting  
Fishing boats observed

### **The Situation Room**

May not have enough time for  
paint  
to dry before grain inspection

### **The Operations Center**

Painting schedule  
Ship schedule  
Port information

### **The message center**

Captain called meeting

### **Experience Center**

- Paint sprayer out of service because not cleaned
- 2. Fishing boats run down insufficient watch at night

### **Goal list**

Navigate safely in Channel  
Prepare holds for grain  
An ACCIDENT in the US !!!  
Don't miss the tide

### **How to**

Painting procedures  
Hold preparation  
procedures

# Why second officer needs this

- It is easy to forget your responsibilities when you are juggling many of them
- When people report to you it is nice to know what they are doing
- An officer may not know all there is to know about a situation he encounters and could benefit from wisdom delivered just in time

# Why second officer needs this

- It provides instant access to messages and alerts
- It offers dynamic check lists
- It complains if something fails to happen in a timely fashion
- It gives details of each process on an as needed basis

# Why a shipping company needs this

- Helps co-ordinate officers and crew into teams serving the current priorities
- Serves as performance support helping everyone do their job better
- Customized for each role, so no useless info
- Shortens training time
- If they know how to use it they are ready to go to work right away

Lets keep an eye on the  
Real target  
WE HAVE ALOT OF GROUND  
TO COVER

Thank You