

Flooding: AMR #2 4-75-0-E

From: Damage Control Training Team (DCTT)
To: Commanding Officer, USCGC HEALY (WAGB-20)
Subj: Drill Date: 08JUL05

Used This Drill	Prop / Simulation	Simulated Casualty
X	Blue Chem. Light	Rising water
X	Blue streamer	Water from leak
X	Grease pencil marking	Location of rupture
X	Sticky Note	MPCMS Alarm in ECC
X	Wire to activate flooding alarm	Flooding alarm

The following safety issues / simulations will **ALWAYS** be in effect onboard *HEALY*:

- A. Activation of installed CO₂ Flooding System / AFFF flooding system / Salt water flooding system.
- B. Charging of fire hoses in any machinery space.
- C. Discharge of portable fire extinguishers without specific direction from a DCTT/ECCTT member.
- D. Destructive access or clearance of equipment for simulated DC efforts.
- E. Spraying water an Helo's.
- F. Dumping the flume tank.

DCTT Communications: **Primary:** ICOM training channel, **Secondary:** Dial phone

DCTT Mode of training: **Training**

Repair Locker Mode of training: **Training**

Risk assessment:

Number 23

Green

Amber

Red

SAFETY WALK THROUGH: Completed by ALL DCTT in perspective areas ½ hour prior to drill.

OBJECTIVES THIS DRILL:

A. MOB-D1002

- 1) MOB-D1002.1 Establish and Maintain Comms
- 2) MOB-D1002.2 Initiate investigation
- 3) MOB-D1002.3 Report flooding
- 4) MOB-D1002.4 Take initial action
- 5) MOB-D1002.5 Order and set boundaries
- 6) MOB-D1002.6 Electrical isolation
- 7) MOB-D1002.7 Assess conditions
- 8) MOB-D1002.9 Isolate piping
- 9) MOB-D1002.11 Pipe patching
- 10) MOB-D1002.13 Dewater flooded compartment

DCTT Members & Assignments:

Member Name	Assignment	Tasking Sheet
EO	Bridge	1 2 3 4 5 6 7 8 9 10
BMC	Repair Locker	1 2 3 4 5 6 7 8 9 10
DCC	ECC/P100	1 2 3 4 6 7 8 10
dcc	On Scene	1 3 4 7 9 10
	Boundaries	
EM1	Repair electrician	1 6 10
EMC	On Scene Leader	1 2 3 4 5 6 7 8 9 10
	Investigators	
dcc	Team Leader	1 3 4 7 9 10
HSC	Stretcher Bearers	As per MTT Drill Sheet

Scenario:

HEALY is underway on current science mission with no restrictions. The EOW on watch receives a flooding alarm in AMR #2 (4-75-0-E). EOW will send TOW to investigate. TOW will find a rupture in the 16" MSW piping from the STBD Sea chest before COV #MSW-V-001. EOW will recommend GE to the OOD. Main Drainage MOV to AMR #2 suction will fail. Drill will end when ruptured pipe is patched and Sub Pump is rigged to AMR #6 Overboard Discharge Connection and tested by Repair Electrician.

Personnel Casualty: the balanced joiner door to the Incinerator Room will crush Science Party member XXXXXXXX's left hand while exiting after burning trash.

Training Time Out: A training time out may be called by training team members if a situation arises that requires more time to train than allowed in the timeline. Additionally, training time out may be called if watchstander(s) is performing procedures incorrectly and corrective action and/or on scene training by the training team member will disrupt the timeline. Training time out may be called if the training team loses control of the drill.
Training Time In shall be given by the training team leader when situation is corrected or proper training has been completed.

Safety time out: Safety is the primary concern when training. A safety time out may be called by any crewmember or training team member if a watchstander places themselves or equipment in an unsafe environment or condition. In a safety time out the drill will be stopped and corrective action will be taken to correct the situation. The **Commanding Officer** has exclusive authority to restart the drill once he is satisfied that the condition to run the drill are safe.

XXXDCC

XO___

XXXCAPT

DCTT Leaders

Commanding Officer

STRUCTURAL DAMAGE SCENARIO

ITT TIME COMPARTMENT NUMBER/NOUN NAME 4-75-0-E/AMR #2

_____ STRUCTURAL DAMAGE: **RUPTURED 16" MSW PIPE**
DAMAGE SIZE **9" x 1"** FR **83**
PORT / **STBD** / CL / DECK / OVHD / BLKHD
DISCLOSURE METHOD: **GREASE PENCIL MARKINGS, BLUE STREAMERS**
DCTT: dcc

_____ TYPE OF REPAIR: **PLUGGING/PATCHING** / SHORING / OTHER
TYPE OF SHORING IF USED: I / H / K / WOOD / STEEL
DISCLOSURE METHOD: **ACTUAL**
DCTT: dcc, EMC

N/A UNDERWATER HULL DAMAGE:
FLOODED SOLID: _____
DISCLOSURE METHOD: _____
DCTT _____

_____ FLOODING:
COMPT.(S) **AMR #2 (4-75-0-E)** _____ / FLOODING **2** IN / FT HOLDING /
INCREASING AT 1 IN / FT **5** MIN(s)
CLEAN / CONTAMINATED
DISCLOSURE METHOD: **BLUE CHEM LIGHT, ACTIVATION OF BILGE SENSOR**
STICKY NOTE ON MPCMS IN ECC
DCTT: dcc, DCC

_____ FLOODING BOUNDARIES:
FWD SEC **63** FWD PRI **75** AFT PRI **84** AFT SEC **93**
2nd DECK AND BELOW
DISCLOSURE METHOD: **ACTUAL**
DCTT: EO, BMC

N/A PROGRESSIVE FLOODING WILL ACURE IF FLB NOT SET IN _____MINS OR
DAMAGE NOT CONTAINED IN _____ MINS. (NOT PLUGGED/PATCHED/ENOUGH
DEWATERING EQUIPMENT RIGGING ETC)

_____ ELECTRICAL ISOLATION: ACTUAL / **SIMULATE**
LOCATION OF SOURCE: _____
DISCLOSURE METHOD: _____
DCTT: EM1

_____ MEANS OF DEWATERING:
SUB PUMP / PORT. EDUCTOR / P-250 / BUCKET&SWAPS
DECREASING AT **1** IN / FT **5** MIN(s)
WILL / WILL NOT ENERGIZE PUMP(S) (**TEST RUN BY REPAIR ELECTRICIAN**)
DISCLOSURE METHOD: **BLUE CHEM LIGHT**
DCTT: dcc

AMPLIFYING INSTRUCTIONS:

Risk Assessment

Evolution: FLOODING, AMR #2 4-75-0-E

0- No Risk

10- Max Risk

Planning (Definition, Scope): 2

Supervision (Direct, Level): 2

Crew Selection (Quals): 5

Crew Fitness (Fatigue, Ect.): 5

Environment (Night/Day, Weather, Conflicts): 3

Evolution Complexity (Location, Length): 3

Equipment: 3

Total: 23

Risk Level: Low

0-25 Low Risk

26-52 Med Risk/ Benefits

53-70 High Risk/ Benefits