



Minerals Management Service

U.S. Coast Guard / Minerals Management Service Fixed Platform Training Seminar

New Orleans - 29 May 2002
Houma - 30 May 2002
Lake Charles - 04 June 2002
Lafayette - 05 June 2002

Welcome

The image features a minimalist design on a white background. At the top, a thin, dark grey arc curves from the left edge towards the center. On the right side, there is a solid black shape that starts as a narrow wedge at the top and expands downwards and to the left, ending in a curved edge that mirrors the top arc. The word "Welcome" is centered in the upper portion of the image, written in a bold, black, sans-serif font.

Objectives

1. Become familiar with CG-5432.

DEPARTMENT OF TRANSPORTATION
U.S. COAST GUARD
(ONLINE CG-5432)

FIXED OCS FACILITY INSPECTION REPORT

3115-6509

Facility Name	NMS Lease No.	Manned	Unmanned	Number of Persons on Board		
OCS Area/Block	Operator	Operator	Operator	Owners	State	
Person in Charge	Name and Address		Name and Address		Office Phone	
Facility Telephone						

INSPECTION ITEMS - ALL FACILITIES	Def.	Cor.	Out	INSPECTION ITEM	Def.	Cor.	Out
1. Workplace Safety 33 CFR PART 142				20. Lifesaving Appliances 33 CFR Part 144			
2. Rails / Guards / Grating 33 CFR 143.116				a. Type:			
3. Personnel Landings 33 CFR 143.106				Liferaft			
4. Means of Escape 33 CFR 143.101				Liferaft			
primary:				Liferaft			
secondary:				approval no.			
5. Helm Deck Perimeter 33 CFR 145				location			
6. Lights / Warning Devices 33 CFR 143.15				condition			
7. Firefighting Equip. 33 CFR 145				equip/markings			
portable				servicing date			
semi-portable				launching devices			
fixed				weight test (date)			
location				operational test (date)			
size				b. Type:			
agent				Liferaft			
INSPECTION ITEMS UNMANNED FACILITIES				Liferaft			
8. Lifesaving Equipment 33 CFR 144.10.1				Liferaft			
9. Other Lifesaving Equipment 33 CFR 144.10				approval no.			
INSPECTION ITEMS - MANNED FACILITIES				location			
10. Emer. Comm. Equip. 33 CFR 144.01-40				condition			
11. Station Bill 33 CFR 146.139				equip/markings			
12. Emergency Drills 33 CFR 146.125				servicing date			
conducted monthly				launching devices			
record keeping				weight test (date)			
13. Life Preservers 33 CFR 144.01-20				operational test (date)			
number				c. Type:			
equipment				Liferaft			
markings				Liferaft			
stowage				Liferaft			
14. Work Vests 33 CFR 146.20				Liferaft			
number				approval no.			
15. Ringbuoys 33 CFR 144.01-25				location			
number				condition			
equipment				equip/markings			
markings				servicing date			
stowage				launching devices			
16. General Alarm System 33 CFR 146.105				weight test (date)			
markings 33 CFR 146.135				operational test (date)			
17. Manning of Survival Craft 33 CFR 146.120							
18. First Aid Kit 33 CFR 144.01-30				21. Personnel Record Location 33 CFR 141.35			
19. Litter 33 CFR 144.01-35							

LIST OF OUTSTANDING ITEMS/COMMENTS (attach additional pages as necessary)

Inspected By:	FACILITY OWNER'S OR OPERATOR'S ACKNOWLEDGEMENT	
NAME	TITLE	DATE
	SIGNATURE	

INSTRUCTIONS

General

Facility Name Enter official facility name/designation.
Manned/Unmanned Check the space which indicates facility status at the time of the inspection.
Persons on Board Enter number of persons on board on the day of the inspection.
Person in Charge Enter the full name of the person in charge.
Operator Fill in name and address of company operating the facility.
Owner Fill in name and address of leaseholder or operating partner.
OCS Area/Block Enter standard OCS area abbreviation and block number.
Facility Telephone Enter telephone number if so equipped.

Inspection Items

Def. Refers to the total number of deficiencies per item found during this inspection.
Cor. Refers to the number of deficiencies per item that were corrected this inspection.
Out. Refers to number of deficiencies per item remaining outstanding/uncorrected.

Enter the number of deficiencies found, the number of deficiencies corrected, and the number of deficiencies that remain outstanding for each item in the appropriate box (Cor. + Out = Def.)
Enter N/A for any item that is not applicable.

ITEM NUMBERS 1 THROUGH 7 MUST BE COMPLETED FOR ALL FACILITIES, BOTH MANNED AND UNMANNED.
ITEM NUMBERS 8 AND 9 MUST BE COMPLETED FOR ALL UNMANNED FACILITIES.
ITEM NUMBERS 10 THROUGH 21 MUST BE COMPLETED FOR ALL MANNED FACILITIES.

Instructions for Specific Item Numbers

7. Enter the number of portable/semi-portable fire extinguishers and/or fixed firefighting equipment on board in the appropriate spaces. For location, size, and agent-use Table 33 CFR 143.10(a) to determine compliance. Deviating from the requirements of 33 CFR Part 145 should be considered deficiencies. Enter description of deficiencies and the OCM determined time frame for correction in the Comments section where applicable (see 33 CFR 145.105(d)).

8. Any lifesaving equipment on an unmanned platform that is not required by 33 CFR 144.10.1 must meet the standards contained in 144.01-1 through 144.01-40. Where such additional equipment is installed/located on the facility the appropriate item should be completed under the INSPECTION ITEM-MANNED FACILITY section of the form.

10. Emer. Comm. Equip. refers to emergency communication equipment.

13, 14, 15. Number-enter the number of preservers/vests/buoys on board in the appropriate spaces.

20. Fill in one subsection (a,b,c, and d) for each piece of primary lifesaving equipment. type-check the appropriate space.
servicing-enter the date the item was last serviced.
weight (for duffel launched equipment) enter the date of the last test.
operational test-for self propelled equipment enter the date of the last test.
Enter description of deficiencies and the OCM determined time frame for correction in the Comments section where applicable (see 33 CFR 145.105(c)).

21. Personnel Record Location-enter the address of the location of the required record.

If additional space is needed for any item, enter the applicable item number and the appropriate data in the comments section.

List of Outstanding Items/Comments

Enter a brief description of each outstanding deficiency and the proposed corrective action. Enter comments as appropriate. Attach additional pages as necessary.

Owner/Operator's Acknowledgment

Front

Back

Objectives

2. Identify primary and secondary means of escape.



Primary



Secondary



Objectives

3. Know how to test obstruction lights and foghorns.



Objectives

4. Identify different types of fire extinguishers.



Portable



Semi-portable

Objectives

5. Know the contents of a station bill.

NOTE: PERSON DISCOVERING THE EMERGENCY WILL ANNOUNCE LOCATION OF THE EMERGENCY OVER THE PA SYSTEM, SOUND THE EMERGENCY ALARM, THEN REPORT TO THEIR STATION.

PERSONNEL	STATIONS	ASSIGNMENTS
OFFSHORE INSTALLATION MANAGER (DIM)	SUPERVISOR'S OFFICE EMERGENCY CONTROL CENTER	MANAGE THE EMERGENCY, COORDINATE COMMUNICATIONS WITH THE BS AND LIFEBOATMAN IN CHARGE, COORDINATE NOTIFICATION OF OFF-DUTY PERSONNEL, ADVISE DISPATCHER AND REQUEST TRANSPORTATION AS REQUIRED AND INSTRUCT DISPATCHER TO ADVISE HEADQUARTERS OF THE EMERGENCY.
BARGE SUPERVISOR (BS)	AT EMERGENCY SCENE WITH RADIO	SECOND IN CHARGE ACTIVATE ESD IF DEEMED NECESSARY, PROCEED TO EMERGENCY SCENE, AND DIRECT EMERGENCY RESPONSE, ASSESS COLLISION DAMAGE TO DETERMINE REQUIRED ACTION TO RETAIN STABILITY, ASSIST DIM TO DETERMINE THE BEST COURSE OF ACTION, ATTEMPT TO CONTROL THE EMERGENCY OR ABANDON THE PLATFORM.
FIRE TEAM	PUT ON FIREFIGHTING PPE AND REPORT TO FIRE SCENE.	EXTINGUISH FIRE OR ASSIST AS NEEDED.
LIFEBOATMAN	SURVIVAL CRAFT ASSIGNMENT	PREPARE THE SURVIVAL CRAFT TO BE LAUNCHED, MUSTER PERSONNEL ASSIGNED TO THE SURVIVAL CRAFT, ENSURE ALL PERSONNEL ASSIGNED TO THE SURVIVAL CRAFT PROPERLY DON THEIR LIFE PRESERVER.
UNASSIGNED KM PERSONNEL, SERVICE PERSONNEL AND VISITORS.	SURVIVAL CRAFT ASSIGNMENT	REPORT TO ASSIGNED SURVIVAL CRAFT, IN THE EVENT CONDITIONS PROHIBIT REPORTING TO YOUR ASSIGNED SURVIVAL CRAFT PROCEED TO ALTERNATE LIFESAVING EQUIPMENT AS SHOWN ON THE SAFETY PLAN.

ORM*

Objectives

6. Know the appropriate steps in an emergency drill.

Objectives

7. Identify and inspect appropriate life preservers.



Objectives

8. Identify and inspect appropriate work vests.



Objectives

9. Identify and inspect appropriate life rings.



Objectives

10. Know what is considered “adequate perimeter protection” for helicopter landing pads.



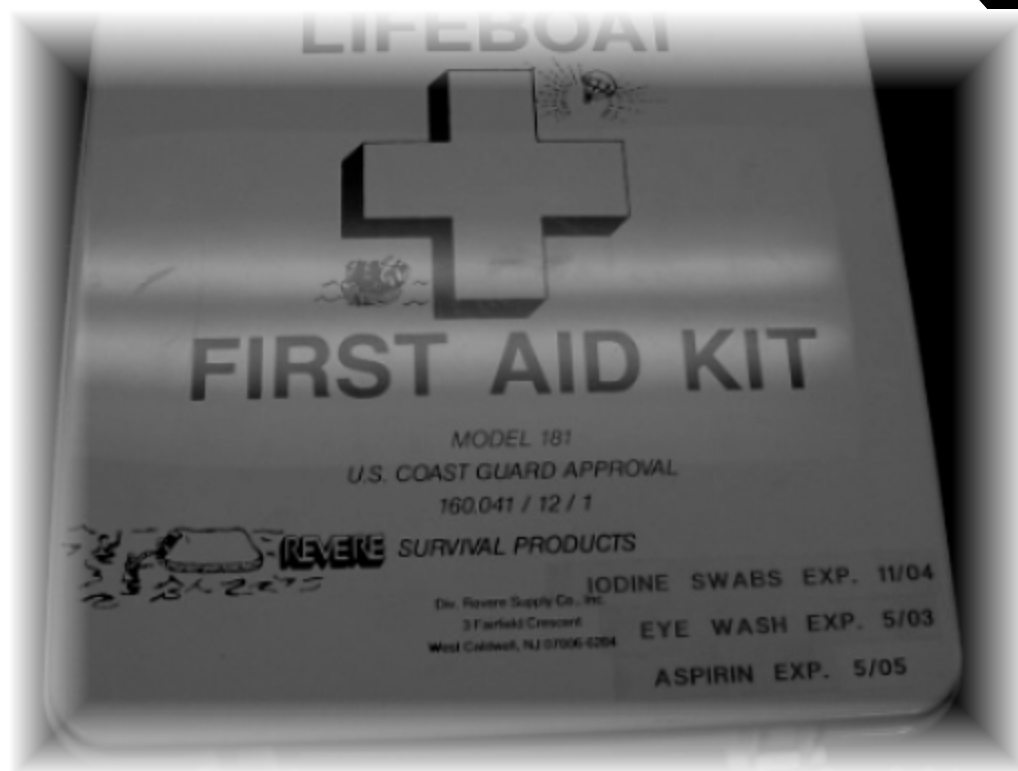
Objectives

11. Know test procedures for general alarm system.



Objectives

12. Be familiar with the contents of an approved first aid kit.



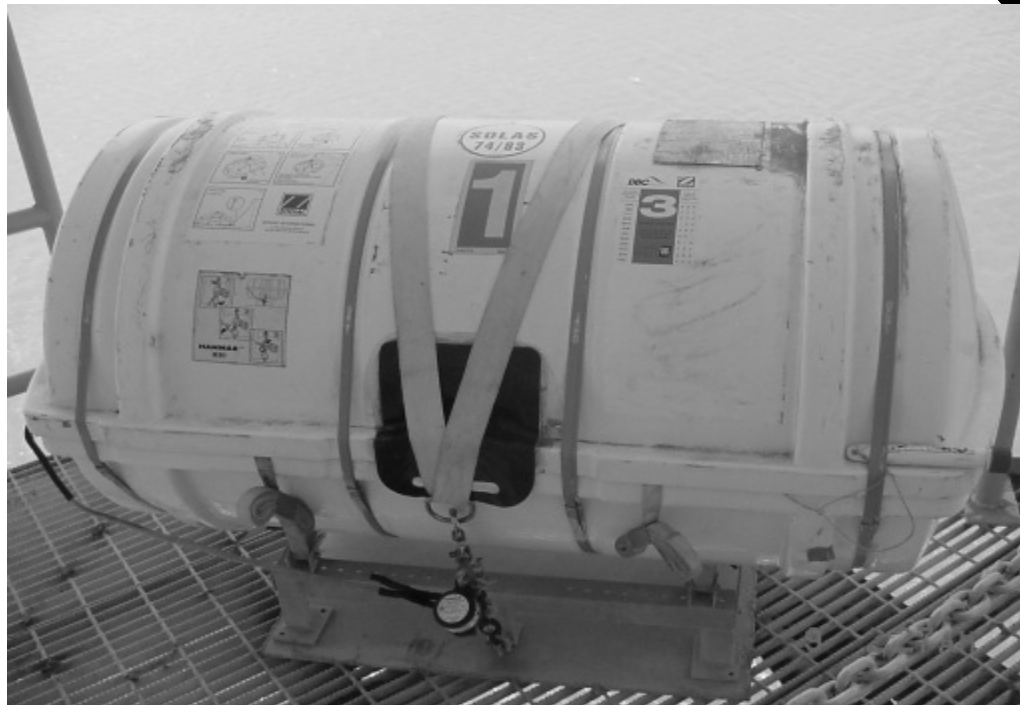
Objectives

13. Be familiar with an appropriate safety litter.



Objectives

14. Be able to identify a valid approved liferaft.



Objectives

15. Be able to identify a valid approved life float.



Objectives

16. Be able to identify a valid approved lifeboat.



Topics

Definitions

Documents, Plans and Reports

Personal Protection Equipment (PPE)

Navigational Equipment

Means of Escape

Guards and Rails

Helicopter Facilities

Lifesaving Appliances

Firefighting Equipment

Communication Equipment

General Alarm System

Garbage Pollution

Waste Management Plans

Definitions

Approved- means approved by the Commandant, unless otherwise specified

Attending Vessel- means a vessel which is moored close to and readily accessible from an OCS facility for the purpose of providing power, fuel or other services to the operation being conducted on the facility.

Commandant- means Commandant of the Coast Guard or that person's authorized representative.

Definitions (Cont)

Manned Facility/Manned Platform means an OCS facility on which people routinely work on or are accommodated for more than twelve (12) hours in successive twenty-four (24) hour periods. ~~This definition differs from the Sub-N definition.~~
D8 policy, see para. 1(d) of encl. 2 to D8INST 16711.1)

OCMI Officer in Charge, Marine Inspection-
person who commands a Marine Inspection Zone. And who is immediately responsible for the performance of duties with respect to the inspections, enforcement, and administration of regulations governing units.

Definitions (Cont)

Person in Charge (PIC)- the master or other individual designated as such by the owner or operator.

Unmanned Facility/Unmanned Platform- fixed facility which is not a manned facility even though it may be continually serviced by an attending vessel.

Self Inspection Report CG-5432

A copy of the self-inspection report shall be maintained on the platform. If the platform is not manned, the report can be maintained at an adjacent platform or in the operator's office if operator has no manned platforms in the area. (See attachment 1)

INSPECTION ITEMS - ALL FACILITIES				INSPECTION ITEM			
	Def.	Cor.	Out.		Def.	Cor.	Out.
1. Workplace Safety 33 CFR PART 142				20. Lifesaving Appliances 33 CFR Part 144			
2. Rails / Guards / Grating 33 CFR 143.110				a. Type:			
3. Personnel Landings 33 CFR 143.106				Liferaft			
4. Means of Escape 33 CFR 143.101				Liferaft			
primary :				Liferaft			
secondary :				approval no.			
5. Helo Deck Perimeter 33 CFR 145:				location			
6. Lights / Warning Devices 33 CFR 143.116				condition			
7. Firefighting Equip. 33 CFR 145:				equip/markings			
portable				servicing (date)			
semi-portable				launching devices			
fixed				weight test (date)			
location				operational test (date)			
size				b. Type:			
agent				Liferaft			
INSPECTION ITEMS UNMANNED FACILITIES				Liferaft			
8. Lifesaving Equipment 33 CFR 144.10.1				Liferaft			
9. Other Lifesaving Equipment 33 CFR 144.10		(See Instructions)		approval no.			
INSPECTION ITEMS - MANNED FACILITIES				location			
10. Emer. Comm. Equip. 33 CFR 144.01-40				condition			
11. Station Bell 33 CFR 146.130				equip/markings			
12. Emergency Drills 33 CFR 146.125				servicing (date)			
conducted monthly				launching devices			
record keeping				weight test (date)			
13. Life Preservers 33 CFR 144.01-20				operational test (date)			
number				c. Type:			
equipment				Liferaft			
markings				Liferaft			
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number				location			
15. Ringbuoys 33 CFR 144.01-25				condition			
number				equip/markings			
equipment				servicing (date)			
markings				launching devices			
stowage				weight test (date)			
16. General Alarm System 33 CFR 146.105				operational test (date)			
markings 33 CFR 146.135							
17. Manning of Survival Craft 33 CFR 146.120				21. Personnel Record Location 33 CFR 141.35			
18. First Aid Kit 33 CFR 144.01-30							
19. Litter 33 CFR 144.01-35							
LIST OF OUTSTANDING ITEMS/COMMENTS (Attach additional pages as necessary)							
Inspected By :							
FACILITY OWNER'S OR OPERATOR'S ACKNOWLEDGEMENT							
NAME	TITLE	SIGNATURE				DATE	

Emergency Evacuation Plan Drills

At least once a year, all elements of the EEP relating to the evacuation of personnel from the facility must be exercised through a drill or series of drills. At least once a month, a drill must be conducted that demonstrates the ability of the crew to perform their duties as described in the EEP. The date and time of such drills shall be reported to the owner of the facility and shall be maintained for one year. Applies to manned only.

Garbage Disposal & Waste Management Plans

- Each manned platform must comply with the requirements found in 33 CFR 151.51-77.
- MMS Inspectors will verify the existence of a valid Waste Management Plan.
- MMS Inspectors will report missing plans and violations of dumping or burning to the cognizant OCMI.

Station Bill

Contains specific duties and duty stations for platform personnel in case of an emergency. It contains the specific signals for emergency stations and for the abandonment of the facility. It shall list the use and application of any special equipment to be provided in an emergency. The Bill is to be signed by the PIC and posted in conspicuous places on the facility. The signal to man emergency stations shall be an intermittent signal on the general alarm system for not less than 30 seconds. The abandon facility shall be a continuous signal on the general alarm system. Applies to mannequins only.

Emergency Drills

Drills are to be conducted monthly and as if an actual emergency exists. All personnel should report to their respective stations and be prepared to perform their assigned duties. shall instruct the personnel as necessary to insure all personnel are familiar with their duties. (Consult NVIC- 6-91 for drill content).

Waste Management Plan/ Garbage Log

Each waste management plan must be in writing and describe procedures for collecting, processing, storing and discharging garbage. Plan must also designate the person in charge carrying out the plan. (33 CFR 151.55 -.77)

Fire Equipment Servicing Reports

Third Party Inspection Reports should be on board and account for all equipment. Platform personnel must perform inspections if NFPA (or equivalent) specifications are followed. (See para. 5 (b) of encl. 2 of D8INST).

FIRE PROTECTION SERVICE, INC.

2209 N.P.D. SUITE D
CORPUS CHRISTI, TEXAS 78408
(361) 289-9102

8050 HARRISBURG
HOUSTON, TEXAS 77012
P. O. BOX 5218
HOUSTON, TEXAS 77202
(713) 924-9600

CERTIFICATE OF EQUIPMENT INSPECTION

Name of Installation: M/V Sabine Seal 1004182

NO. CYL. TOTAL SYSTEM	NET LBS.	NO. CYL. ON CONTROLS	TYPE OF EQUIPMENT
<u>1</u>	<u>100</u>	<u>1</u>	<u>Co2 Cyl. For Hose Reel In Engine Room.</u>
<u>1</u>	<u>15</u>	<u>1</u>	<u>Co2 Cyl. For Paint Locker</u>
<u>4</u>	<u>15</u>	<u>—</u>	<u>Co2 Extinguishers</u>
<u>3</u>	<u>10</u>	<u>—</u>	<u>Dry Chemical Extinguisher.</u>
<u>2</u>	<u>30mm</u>	<u>—</u>	<u>Breathing Air Cylinders.</u>

Remarks:
Portable Extinguishers were inspected as follows: Powder Fluffed,
Pressure, dates, gauges, hoses, nozzles, carrying handles, all were tagged
and sealed left ready for use. Five units were taken ashore and
found or replaced. The paint locker cylinder was replaced due
to extreme corrosion. The Breathing air cylinders were lubricated and
hydro tested. All were returned to vessel and left ready.
 The Hydrostatic test Date of above System Cylinders 9/21 Portable 9/21, 2001

I hereby certify that I have inspected the equipment listed above and that I have left the equipment in operating condition.

[Signature]
INSPECTOR

Date: March 10, 2001

Lifesaving Appliances Servicing Report

Third Party Inspection Reports should be on board and account for all equipment. (liferafts & boats). (See para. 6 (c & d) of encl 2 to D8INST).

CERTIFICATE SERIAL NUMBER:
012869

CREWSAVER

Vessel Name: Southern Sea Service Date: MAR. 1, 2001
 Owner: FIRE PROTECTION SERVICE Approval # 180.051/ 52-0
 Equipment Type: NR3 Capacity: 20 Serial # NRUS 10 LOA 105

TEST	Opening Pressure (PSI)	Relief Valve		Stabilization		Pressure Test		Temperature		Barometer		Finish Pressure (PSI)	Corrected Pressure (PSI)	Pass or Fail
		Open	Reset	Time On	Time Off	Time On	Time Off	On	Off	On	Off			
Upper Rail	2.30			1120	1150	1150	1250	70	70			2.29	2.29	P
Lower Rail	2.30			1120	1150	1150	1250	70	70			2.32	2.32	P

Floor Area: 18 Year Inflation Test XXXX PASS FAIL Cylinder S/N(s) LL9539
 Floor Strength Test: N/A XXXX FAIL Weigh CO2 (lbs) 17.50
 NAP (Overpressure) Test: N/A XXXX FAIL Weigh N2 (lbs) 1.00
 DIL Release Hook Lanyard Drag Test: XXXX PASS FAIL Cylinder Gross Weight (lbs) 50.26 50.85
 DIL Load Test: XXXXX PASS FAIL Hydro Test Due Date(s) 3-05
 Inflation Valve Mfr. and S/N(s):
 Relief Valve Mfr. and S/N(s):

Liferaft Components	Inspected	Replaced/Rebuilt	Survival Equipment	Inspected	Replaced/Rebuilt
Boarding Ladder			Equipment Bag		
Raft Clive Type			Hand Pump w/adapter		
Sea Anchor & Raft Attachment			Bailer		
Liferaft Inner/Outer			Sealing Clamps		
Boat Lifting Ramp			Repair Pliers		
Sea Anchor Inner/Outer			Spare Sea Anchor		
Flotation & Jack Knife			Survival Manual		
Heaving Line & Quoit			Contents Label		
Paint or Assy/Towing Bridle			Sponges		
Rafting Strap			Can Opener		
Balls/Bags			Signal Whistle		
Floor Insert			Signal Mirror		
Canopy			Fishing Kit		
Canopy Support Tube			Flashlight		
Cylinder Sling/Pouch			Spare Bulb		
Inflation Restraint			Drinking Cup		
Inflation Cylinders			Lifesaving Signal Kit		
Cyl. Valve/Pull Cable/Housing			Seasick Bags		
Cylinder Adaptor			Thermal Protective Aid		
Cylinder Test & Refill			First Aid Kit		
Inflation Hose Assy			RV Stopper Kit		
Elbow Inflation Fittings			EPIRB / Battery (optional)		
Inlet Valves I.V. Fitting					
Topping Up Valves					
Container Top/Bottom					
Container Gasket/Plug					
Container Bands					
Container ID Placard					
Container Instruction Label					
Paint as			Dated Items	Date Expires	Replaced
Legal Markings			Rations	2-25/4-22	
Container Hold Down Strap			Water	2-02	
Day Launch Comp	Inspected	Replaced	Seasick Pills	11-02	
Liftin. Ring			Hand Flares	2-02	
Lifting Ropes			Flotation Smokes	2-02	
Lifting Patches			Parachute Flares	7-02	
Girt/Girt Bar			Spare Batteries	3-01	6
Bowsing Attachments			Repair Kit	3-01	1
Short Pull Painter Assy			Signal Calls	3-01	3
Valves			Hydrostatic Release		

This is to certify that the Inflatable Life Raft detailed above has been serviced in accordance with the appropriate service manual and is in compliance with 46 CFR 160.151 and all amendments as of this date. This certificate is valid for 12 months from date of issue.

U.S.C.G. Inspector: FERNANDO NORIEGA
 For and on behalf of Service Station: 120 ALEXANDER/HYAN MARINE SERVICE
 U.S.C.G. Servicing Facility Code Number: 2000 WAYSIDE DR.
 Servicing Facility Company Name: 2000 WAYSIDE DR.

Place Service Record Sticker Here
 Distribution: Original - Raft Owner
 Green - Master of Vessel, Colary - Inflation Service

Personal Protection Equipment

Each facility shall be “maintained in compliance with workplace safety and health regulations of this part and in addition, free from recognized hazards”

Each leaseholder and persons responsible for the actual operations shall ensure all personnel use and wear the proper personal protective equipment.



Personal Protection Equipment

The prime areas of concern in workplace safety, which should be addressed, are:

- 1. Personal protective clothing/equipment include eye, head and foot protection**
- 2. General cleanliness**
- 3. Tripping hazards/ oil on deck**
- 4. Safety belts and lifelines**
- 5. Eyewash equipment**

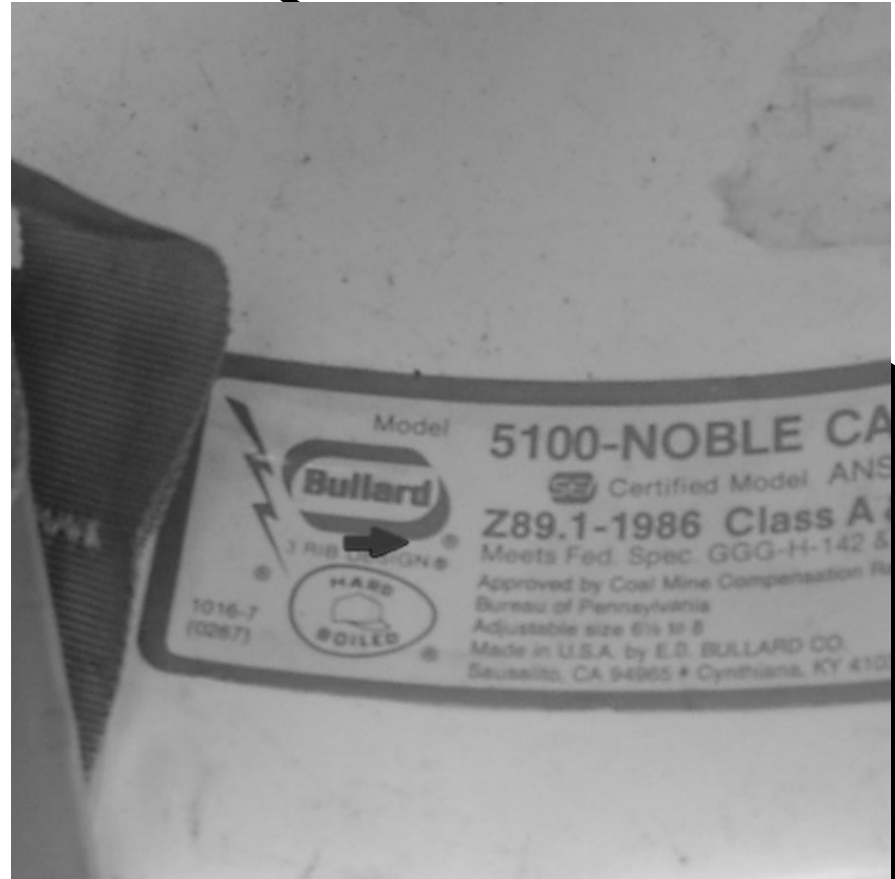
Eye /Face Protection

Personnel engaged in or observing welding, grinding, chipping, handling hazardous materials, or acetylene burning or cutting, shall wear eye and face protection that is marked in accordance with ANSI Z87.1.



Head Protection

Head protection that is marked in accordance with ANSI Z89.1 shall be worn by personnel in areas where there is a hazard of falling objects or contact with electrical conductors.



Foot Protection

Foot protection that is marked in accordance with ANSI Z41 shall be worn by personnel working in areas or engaged in activities where there is a reasonable probability of foot injury may occur.



Respiratory Protection

Personnel in an atmosphere specified in ANSI Z88.2 shall wear the equipment specified in ANSI Z88.2. Personnel shall be trained and follow proper procedures. Respiratory protection equipment must be approved, used and maintained IAW ANSI Z88.2.



Safety Belts and Lifelines

Except when moving from one location to another. And personnel are engaged in an activity where there is a hazard of falling ten (10) or more feet shall wear a safety belt or harness that meets the specifications outlined in ANSI A10.14. Safety belts and harnesses shall be secured by a lanyard to a drop line, lifeline, or fixed anchorage.



Eyewash Equipment

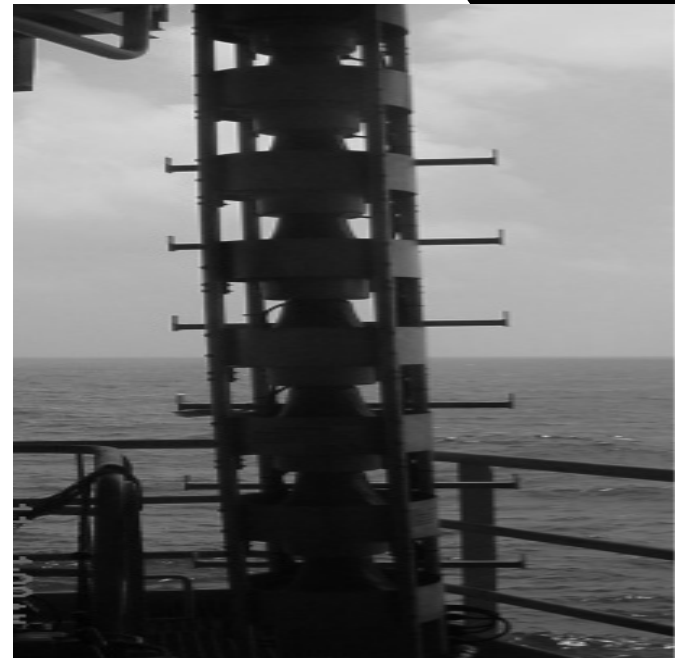
Portable or fixed eyewash equipment must be readily available near mudrooms, drill floor and any other area where there is a possibility of eye injury.



Navigation Equipment

Lights and Warning Devices

Outer Continental shelf fixed platforms are considered Class “A” structures as defined in 33 CFR, Part 67. (See 33 CFR 143.15).



Obstruction Lights

Obstruction lights must have 360-degree lenses, display a quick-flash characteristic of approximately sixty (60) flashes per minute, visible for at least five (5) miles and be displayed at not less than twenty (20) feet above the water. When more than one light is displayed, all lights must flash in unison. Obstruction lights on Class "A" structures shall be white. Lights are to be displayed at all times between the hours of sunset and sunrise and during periods of reduced visibility.

Obstruction Lights

Structures having a horizontal dimension of thirty (30) feet or less are required to have one (1) obstruction light with 360-degree visibility. Structures having a horizontal dimension between thirty (30) and fifty (50) feet are required to display two (2) obstruction lights on diagonal corners. Structures over fifty (50) feet are required to display one obstruction light on each corner.



Fog Signaling Device

Fog signaling devices are required on all structures. The horn is required to sound a two (2) second blast every twenty (20) seconds, be audible for a two (2) mile range, operate when visibility drops below three (3) miles, and be USCG approved.



Means Of Escape

Primary means of escape is defined as a fixed stairway or vertical ladder of metal construction. (Ladders must have cages > than 20'; landings > than 30').



PRIMARY ESCAPE



PRIMARY



Means Of Escape

Secondary means of escape can be additional type approved for primary means of escape or a portable flexible ladder, knotted manropes or other devices satisfactory to the OCMI.



SECONDARY MEANS



SECONDARY CONT...



Manned OCS Facilities

Manned OCS facilities shall be provided with at least two (2) primary means of escape extending from the uppermost platform level that contains living quarters or that personnel occupy continuously, to each successively lower working level and to the work surface. Working levels without living quarters, workshops or offices or other spaces personnel continually occupy require one primary means of escape and one or more secondary means of escape determined necessary by the OCMI. (33 CFR 143.1 (para. 8 of encl 2 to D8INST).

Unmanned OCS Facilities

Unmanned OCS facilities require one primary means of escape and either-

- A. One additional primary means of escape
- B. A secondary means of escape for every ten (10) persons onboard at any one time.

Guards And Rails

The unprotected perimeter of all catwalks, deck areas, and openings must be protected with rails or wire mesh at least forty-two (42) inches high.



The Unprotected Perimeter of All Catwalks, Deck Areas, and Openings

-If guardrails are used they must have three courses of rail with the two (2) intermediate courses evenly spaced between the deck and the top course or if a toe board is used the bottom course may be omitted and the remaining course placed between the toe board and top course.



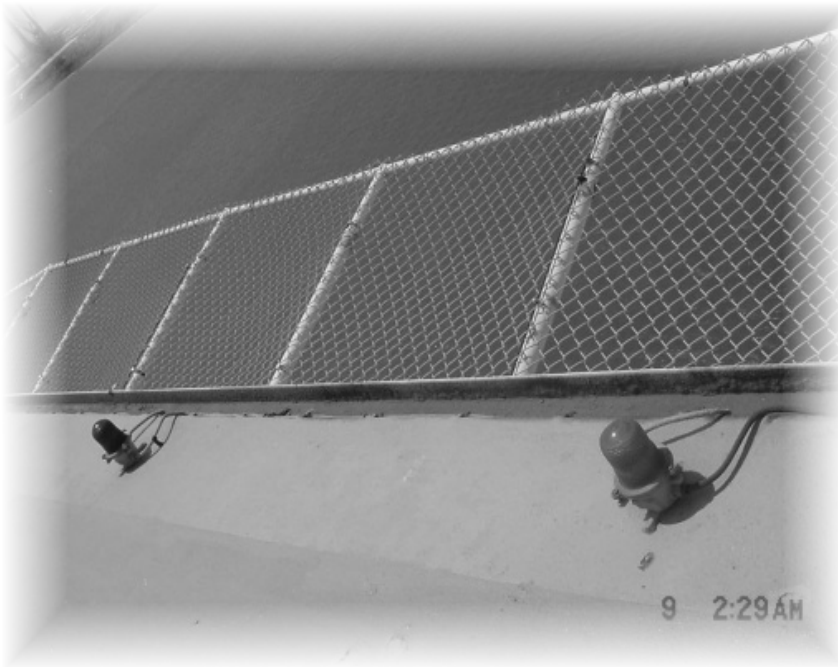
Stairways

Stairways require two courses of rail with the top course at least thirty-four (34) inches above the tread.



Helicopter Landing Deck

The unprotected perimeter of the helicopter landing deck shall be provided with a device with sufficient strength and size to prevent any person from falling.



ADEQUATE ??



Lifesaving Equipment

MANNED PLATFORMS:

(See 33 CFR 144.01)

LIFE FLOATS are the minimum primary lifesaving equipment required on platforms. There must be a minimum of two (2) approved life floats on board and additional as required of sufficient capacity to accommodate 100% of the persons on board the platform.

INFLATABLE liferafts may be substituted for life floats.

SURVIVAL CRAFT (Capsules or Boats)- may also be substituted for the required life floats.

MANNED PLATFORMS:

Continued

LIFE PRESERVERS-An approved life preserver shall be provided for each person on a manned platform. The life preservers shall be located in easily accessible places.

RING LIFE BUOYS-Each platform must have at least four approved life buoys placed in a suitable rack on each side of the platform. The life buoys must always be capable of being cast loose and may not be permanently secured in any way.

FIRST AID KIT-A first aid kit approved by the USCG or U.S. Bureau of Mines (inventory listing) shall be provided onboard.

MANNED PLATFORMS: Continued

LITTER-A Stokes litter or other suitable litter capable of being safely hoisted with an injured person, shall be kept in an accessible location.

**EMERGENCY COMMUNICATION EQUIPMENT
A means of communication by radio and/or wire telephone must be provided for contacting the shore base or vessels in the vicinity.**

Lifesaving Equipment

UNMANNED PLATFORMS: -No persons may be on an unmanned platform unless the following equipment is readily accessible:

LIFE PRESERVER- An approved life preserver shall be provided for each person onboard.

RING LIFE BUOY-An approved ring life buoy must be provided for every two (2) persons onboard but not more than four (4) are required. Buoys may be kept on attending vessel that remains along side the platform if there is no available space on the platform.

Life Float Requirements

1. **The life floats shall be distributed in accessible locations and mounted on the outboard sides of the working platform so as can be readily launched.**



Life Float Requirements

2. Each life float shall be provided with a painter of either:
 - A. Manila rope not less than $2\frac{3}{4}$ inches in circumference and in length of not less than three (3) times the distance from stowage area to the low water line.
 - B. Other material provided it is of equal strength size of manila line specified and is not less than $\frac{1}{2}$ inch in diameter.

Life Float Requirements

3. Each life float shall have an approved automatic water light attached to the life float with a six (6) to twelve (12) foot long twelve (12) thread manila or equivalent synthetic lanyard. Water light must be mounted in a bracket and capable of being pulled free when life float is launched.



4. Two paddles shall be provided for each life float. Paddles shall be between five (5) and six (6) feet long and stowed so they will be accessible from either side of the life float when in the water.



Life Float Requirements Continued

- 5. Each life float shall be marked with a name and number of the facility and number of persons allowed on each life float. Markings shall be located on each side of life float in 1 ½ in letters. Paddles or oars shall be marked with facility name and number.**

Life Float Requirements Continued



Inflatable Liferaft Requirements

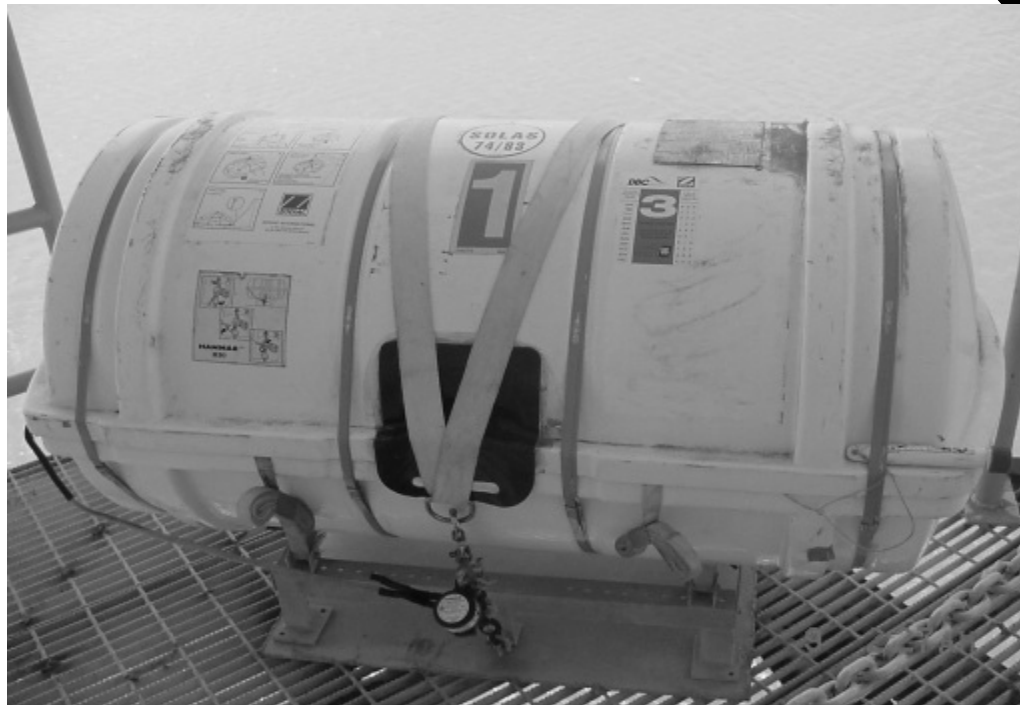
- 1. Shall be distributed and mounted the same as life floats.**
- 2. Liferrafts must be serviced annually by a Coast Guard approved facility. (Current servicing report must be available on platform).**

Inflatable Liferaft Requirements

- 3. Launching instruction placard shall be conspicuously posted at the liferaft storage location.**
- 4. Liferrafts shall be approved under 46 CFR 160.151. However a liferaft installed prior 09 May 1997 may be continued in use if marked LIMITED or OCEAN SERVICE provided it is maintained in good and serviceable condition.**

Inflatable Liferaft Requirements

Valid approved liferafts



Lifeboat Requirements

1. All components (winch, capsule/boat, davit) must be Coast Guard approved. A 110% weight test is required at initial installation.



Lifeboat Requirements

2. Falls shall be replaced at intervals not to exceed five years with a 100% (A + B) weight test conducted after renewal.

3. Shall be marked with the name or number of the facility and capacity of lifeboat. Lettering shall be 1 ½ inch.

4. Equipment for lifeboats shall include:

A bailer, boat hook, bucket, hatchet, lantern, life line, two (2) life preservers, matches, oars, painter, plug and rowlocks.

- (See para. 6(d) of encl 2 to D8INST)**

Life Preservers

1. Each life preserver on a manned platform must have an approved light securely attached to the front shoulder.
2. Each life preserver must have at least 31 square inches of Type I retro-reflective material attached to its front, back and each reversible side.

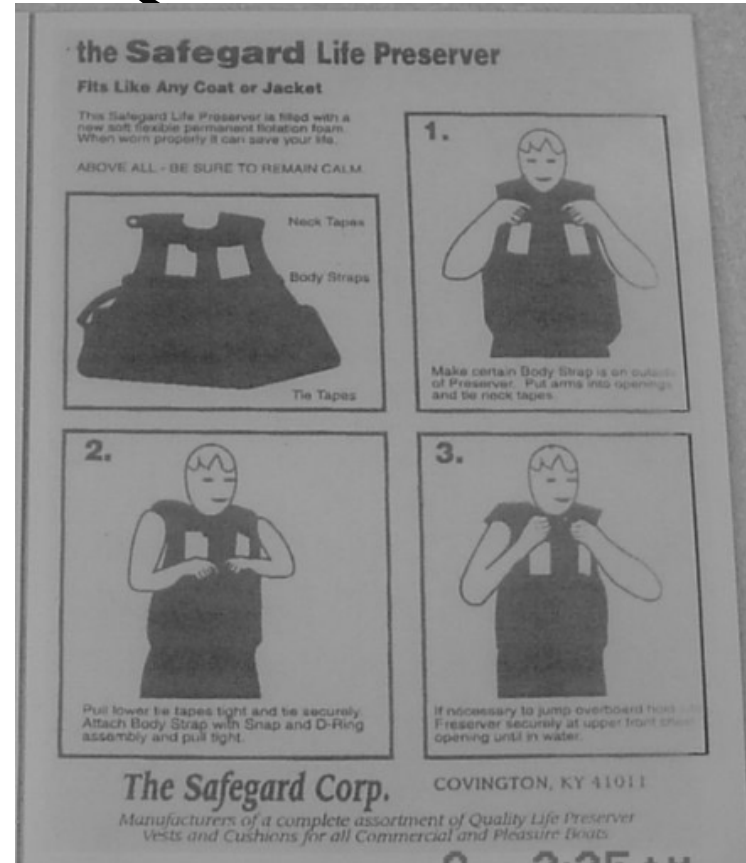


Life Preservers

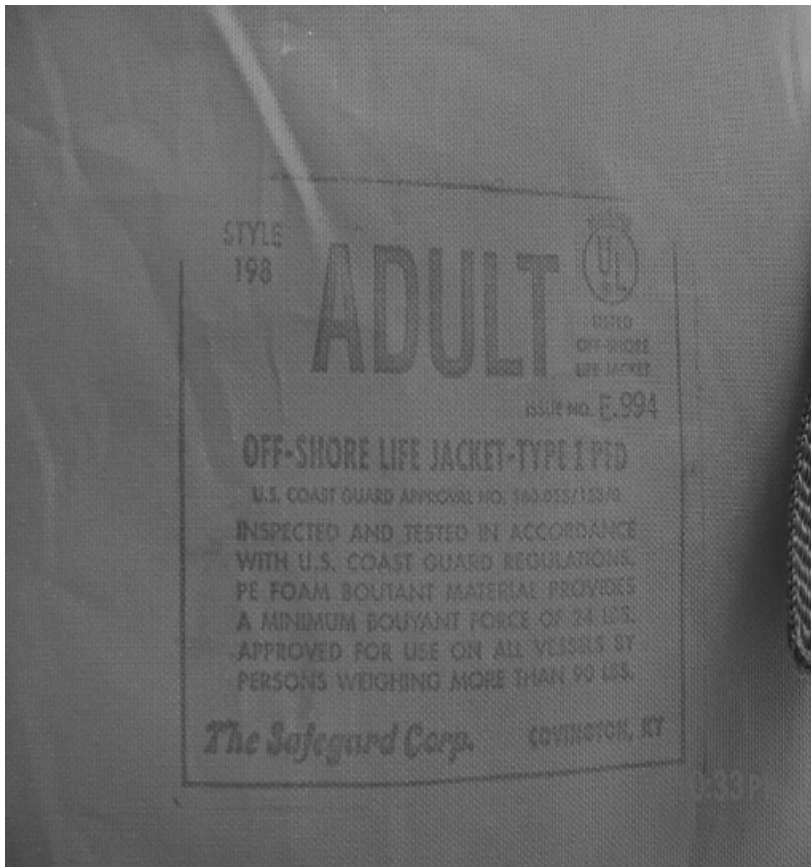
- 3. Each life preserver shall be marked with the name or number of the facility. Life preservers which accompany mobile crews to unmanned platforms may be marked with the operators name and field designation.**

Life Preservers

Donning instructions should be posted in a conspicuous place and should reflect the type of life jackets onboard.



Life Preservers



Life Preservers



Things you may see-let's hope not

Ring Life Buoys

1. Each ring buoy shall have an approved automatic water light attached to the with a three (3) to six (6) foot long twelve (12) thread manila or equivalent synthetic lanyard.
2. Water light must be mounted in a bracket and capable of being pulled free when buoy is cast loose.



Ring Life Buoys

2. Each ring buoy shall be marked with name or number of the facility. Ring buoys which accompany mobile crews to unmanned platforms may be marked with the operator's name and field designation.



Ring Life Buoys



Things you may see-let's hope not

Ring Life Buoys



Things you may see-let's hope not

RING BOUYS



Classification Of Fire Extinguishers

Portable and semi-portable extinguishers are classified by a combination letter and number symbol. The letter indicates the type of fire the unit could be expected to extinguish and the number denoting the size. See 33 CFR 145.05 and tables .05 (C) & .10 (A).

Type indicators are as follows:

- “A” ALPHA** for fires in ordinary combustible materials
- “B” BRAVO** for flammable liquid fires
- “C” CHARLIE** for electrical fires

Portable Fire Extinguishers

1. All extinguishers shall have a permanently attached durable nameplate giving the name, rated capacity and address of person/firm for whom approved, and manufacturer's identification.



Portable Fire Extinguishers

2. All fire extinguishers are required to be serviced and inspected annually by a servicing company or by company personnel.
3. All excess firefighting equipment on the platform must be an approved type and serviced and inspected the same as the required equipment.



Semi-portable Fire Extinguishers

1. All extinguishers shall have a permanently attached durable name plate giving the name, rated capacity and address of person/firm for whom approved and manufacturer's identification.



Semi-portable Fire Extinguishers

2. All fire extinguishers are required to be serviced and inspected annually by a servicing company or by company personnel.
3. Semi-portable extinguishers shall be located in the open so as to be readily seen.



General Alarm System

1. Each manned facility must have a general alarm system



General Alarm System

1. When operated, this system shall be audible in all parts of the structure on which provided.
2. The general alarm bell switches shall be identified by red letters at least one (1) inch high with a contrasting background: "General Alarm"

General Alarm System

- 3. All general alarm bells shall be identified at each bell in red letters at least one (1) inch high with a sharp contrasting background:
“General Alarm-
When Bell Rings Go to Your Station”



THANK YOU

