

Fixed Platform Inspection



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Why are you here?

- ☞ To ensure safety on the Outer Continental Shelf
- ☞ Federal Register Vol. 67, No. 26/Thursday, February 7, 2002; Final Rule
- ☞ Minerals Management Service authorized to perform inspections, on behalf of the Coast Guard, on fixed Outer Continental Shelf facilities and enforce Coast Guard regulations applicable to those facilities.
- ☞ Takes effect June 7, 2002

Benefits

- ☞ Memorandum of Understanding in order to avoid duplication and reduce Federal costs.
- ☞ Increases oversight for Coast Guard compliance without increasing frequency of inspections.
- ☞ Doing something that makes sense.

Objectives

- CG-5432
- Identify Secondary Means of Escape
- Know how to test obstruction lights and foghorns
- Fire Extinguishers
- Station Bill and Emergency Drills
- Life Preservers, Work Vests, and Life Rings
- Helicopter Landing Decks/Adequate Protection
- Test Procedures for General Alarm
- First Aid Kit and Safety Litter
- Life Rafts, Life Floats, and Lifeboats

CG-5432 (Fixed OCS Facility Inspection Report)

33 CFR 140.103(c)

- 📄 Oversight for self-inspection. Operator lists deficiencies and whether corrected or outstanding
- 📄 Done annually
- 📄 Operator submits to MMS within 30 days after completion of inspection.
- 📄 Operator keeps copy on platform for two years and must be made available to MMS or Coast Guard on request

Secondary Means of Escape

33 CFR 143.101(b)

Primary means

- Fixed stairway or ladder
- Both types shall be suitably accessible for rapid evacuation

Secondary Means

- Type approved for primary means
- Portable or flexible ladders
- Knotted man ropes
- Other device to satisfaction of OCMI

Secondary Means of Escape Cont.



Lights and Warning Devices

33 CFR 143.15 and 33 CFR 67

Obstruction lights

- ☞ White light
- ☞ Visible for 5 miles 90 percent of the year
- ☞ Quick-flash, approx. 60 flashes per minute
- ☞ Displayed between hours of sunset and sunrise

Fog signaling device

- ☞ Required on all structures
- ☞ 2 mile range
- ☞ 2 second blast every 20 seconds
- ☞ Coast Guard approved

Fire Extinguishers

33 CFR 145



- ☞ Missing pins
- ☞ Cracked hose
- ☞ Not tested
- ☞ Gauge above/below full
- ☞ Number and location in accordance with Table 145.10(a)

Fire Extinguishers Cont.



Fire Extinguishers Cont.



Fire Extinguishers Cont.



Station Bill

33 CFR 146.130

- ☞ Signed by person in charge
- ☞ Posted in conspicuous locations
- ☞ Set forth duties for emergencies
- ☞ Contain signals for calling personnel to their emergency stations and to abandon facility

General Alarm System

33 CFR 146.105

- ☞ Each platform must have a general alarm system.
- ☞ Must audible in all parts of the platform
- ☞ Marked with minimum one inch, red letters stating: “General Alarm”
- ☞ Ask operator to test function

Emergency Drills

33 CFR 146.125, .115, and .140

- ☞ Conducted once a month by person in charge
- ☞ Treat as actual incident
- ☞ Personnel report and perform duties, to include: closing of water-tight doors, scuppers, etc.; secure ventilation, don life jackets, prepare and launch life floats or alternative.
- ☞ Emergency evacuation
- ☞ Once a year, exercise all elements of Emergency Evacuation Plan
- ☞ Once a month, hold drill that demonstrates ability of platform personnel to perform duties and functions
- ☞ Record date and time

Life Preservers

33 CFR 144.01-20

- CG approved life preserver for each person on board a manned platform
- Located in easily accessible places
- In good condition
- Each must have a personal floatation device light securely attached to front shoulder area (ref. 46 CFR 161.012)
- Have at least 200 sq.cm (31 sq. in.) of retro reflective material on front, back, and reversible sides (46 CFR 164.018).

Life Preservers Cont.



Good storage

Test straps



Life Preservers Cont.

Check for CG
approved

Name of
platform



Check device
light

Work Vests

33 CFR 146.20

Use

- ☞ Working near or over water
- ☞ Cannot be substituted for a life preserver

Stowage

- ☞ Stowed separately
- ☞ Marked to avoid confusion

Inspection

- ☞ In serviceable condition
- ☞ If not in serviceable condition must be removed from platform
- ☞ If beyond repair vest shall be destroyed in presence of inspector

Work Vests Cont.

Marked and stored separately



Ring Life Buoys

33 CFR 144.01.25

- At least four
- In good and serviceable condition
- Marked with name
- Place in a suitable rack on each side in an accessible place
- Capable of being cast loose (not permanently secured)
- Each must have a water light
- In good condition
- Attached by not less than 1 meter lanyard
- Mounted in bracket near ring and capable of being pulled free when ring is cast

Ring Life Buoys Cont.



Make sure this
line pulls easily

Helicopter Landing Deck

33 CFR 143.120



- Protected with device of sufficient strength and size to prevent a person from falling.

First-aid Kit

33 CFR 144.01-30



- 📄 Kit approved by CG Commandant or U.S. Bureau of Mines
- 📄 Kept in custody of person in charge
- 📄 What do you look for? (Handout)

Safety Litter

33 CFR 144.01-35



- ☞ Capable of being safely hoisted with injured person
- ☞ Kept in an accessible place

Life Floats

33 CFR 144.01

Location and Number

- ☞ At least two approved floats
- ☞ Have sufficient capacity for entire platform at any one time
- ☞ Accessible and mounted on outboard side
- ☞ Readily launched

Equipment

- ☞ Painter
- ☞ Water light
- ☞ Two paddles

Markings

- ☞ Name of platform
- ☞ # of persons allowed

Life Floats Cont.



Life Rafts

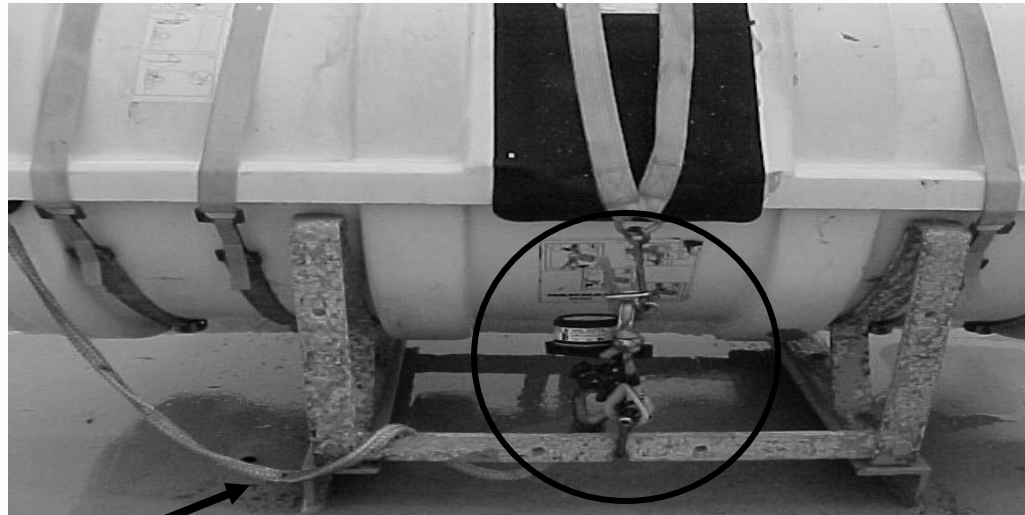
33 CFR 144.01-15

- ☞ May be used in lieu of life float
- ☞ Distributed in accessible locations and mounted on outboard side
- ☞ Have equipment required by 144.01-15(c)
- ☞ Marked properly, name and # pers (ref 46 CFR 160.051)



Life Rafts Cont.

- ☰ Serviced annually
- ☰ Instructions posted
- ☰ Hydrostatic release?



painter

Lifeboats

33 CFR 144.01-15

- ☞ May be used in lieu of life float
- ☞ Have equipment required by 144.01-15(b)
- ☞ Marked properly (name and # of persons)



Lifeboats Cont.

Things to look for

- ☞ Engine run?
- ☞ Falls and launching equipment in good shape?
- ☞ Clean?
- ☞ Air system?



Other Areas of Concern

- ☞ PPE (eye, head, foot)
- ☞ General Cleanliness and condition
- ☞ Trip hazards/oil on deck
- ☞ Condition of wire rope
- ☞ Safety belts and lifelines
- ☞ Hearing protection in high noise areas



Other Areas of Concern Cont.

- 📄 Eyewash equipment
- 📄 General Cleanliness and condition



Other Areas of Concern Cont.

- Paint lockers
- Unprotected switchboards
- Crane safety equipment



Don't Forget...



Handling Deficiencies

33 CFR 140.105

CG-5432

- ☞ If practical, operator correct or eliminate prior to submission
- ☞ If not, must be listed as outstanding
- ☞ May issue INC
- ☞ MMS specifies time period to correct

Spot Check

- ☞ All deficiencies found receive INC
- ☞ Time to correct determined on a case-by-case basis (This generally does not exceed 30 days)

Roles

MMS

- ☞ Receive and process CG-5432s
- ☞ Conduct spot inspections
- ☞ Document and track activities in TIMS database
- ☞ Document and verify correction of discrepancies
- ☞ Provide quarterly and annual reports to CG

Coast Guard

- ☞ Conduct initial inspections
- ☞ Review EEP
- ☞ Conduct investigations IAW 33 CFR 140.201 and 46 CFR Part 4
- ☞ Approve equipment and publish in FR
- ☞ Enforce and prescribe rules for employment – citizenship requirements
- ☞ May conduct spot inspections

What's Next?

 Questions and Comments

 Field training on Platform Gail and Platform Hermosa!!!

Contact Info

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attachments

 CG-5432

 Mine Safety and Health Administration
(MSHA) approved first-aid kit

 FR/ Vol. 67, No. 26, 5912 – 5916

 Check List

 Platform Inspection FAQs