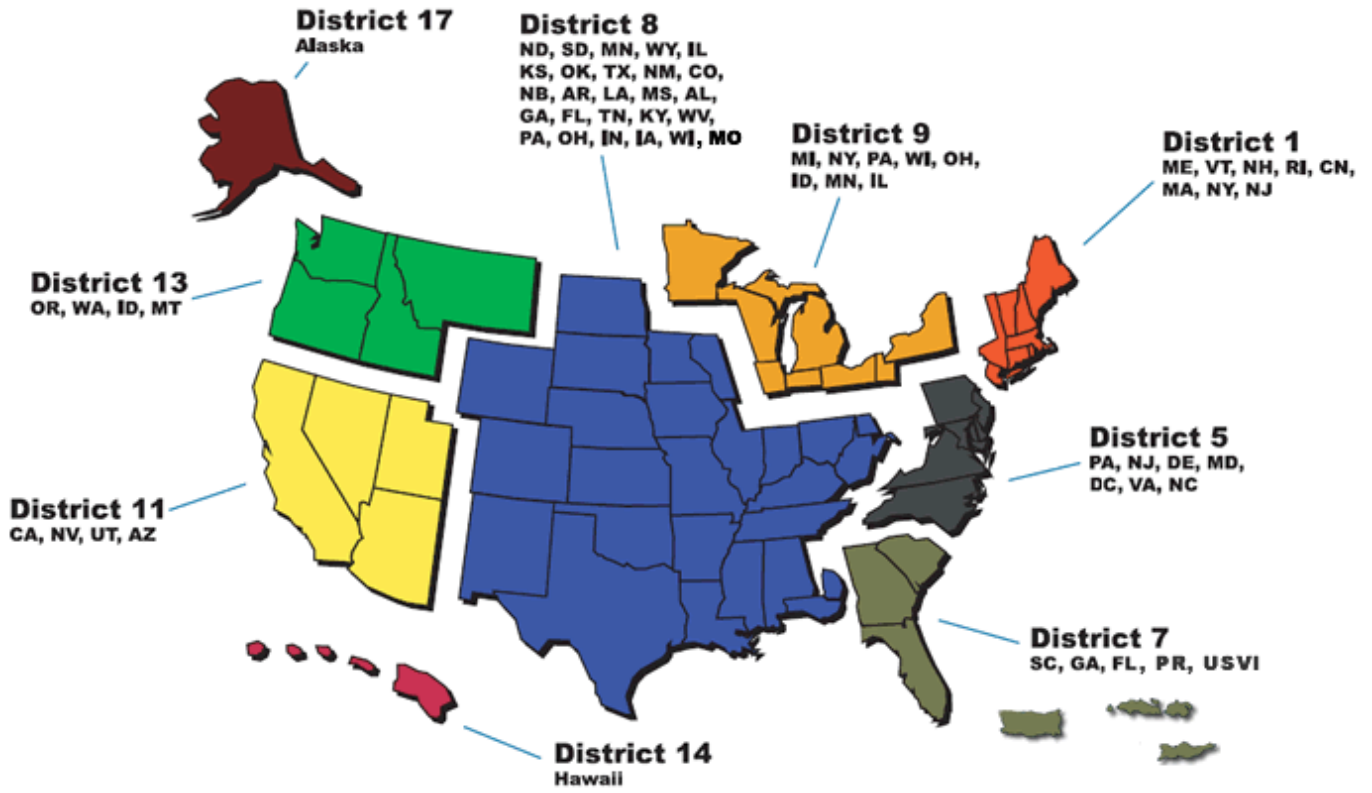

United States Coast Guard
Atlantic Area

Requirements For Uninspected Passenger Vessels





If you:

- ◆ **Have questions about the information in this guidebook,**
- ◆ **Want additional copies of the handout, or**
- ◆ **Want a courtesy Safety Examination of your boat:**

- ◆ Please contact the Prevention Department at your local Coast Guard Sector office at:

◆ Or the Coast Guard District Prevention division at:

- | | | |
|----------------------|-----------------|----------------|
| • District One | Boston MA | (617) 223-8272 |
| • District Five | Portsmouth, VA | (757) 398-6554 |
| • District Seven | Miami, FL | (305) 415-6868 |
| • District Eight | New Orleans, LA | (504) 671-2154 |
| • District Nine | Cleveland, OH | (216) 902-6052 |
| • District Eleven | Alameda, CA | (510) 437-5960 |
| • District Thirteen | Seattle, WA | (206) 220-7217 |
| • District Fourteen | Honolulu, HI | (808) 535-3415 |
| • District Seventeen | Juneau, AK | (907) 463-2808 |

To suggest additions or corrections to this handout, contact LANTAREA Prevention Division at 757-398-7787.

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**U. S. COAST GUARD REQUIREMENTS FOR
UNINSPECTED PASSENGER VESSELS:
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INTRODUCTION

Overview

This document applies to U.S. uninspected passenger vessels (UPVs) that do not carry freight for hire. It has been developed to assist UPV owners and operators as well as Coast Guard Marine Inspectors, Examiners and Boarding officers during dockside or at-sea examinations of UPVs. **It is not meant to replace the federal regulations.** For precise language, exemptions and interpretations of please consult the specific laws or regulations containing that requirement.

Each section corresponds to the checklist, enclosure (2). The checklist is designed to be used with this booklet.

Abbreviations

Listed are abbreviations found in this document:

CFR:	Code of Federal Regulations
CG:	U. S. Coast Guard
COD:	Certificate of Documentation
COTP:	USCG, Captain of the Port
GT:	Gross Tons
MMC:	Merchant Mariner Credential
MMD:	Merchant Mariner Document
MSD:	Marine Sanitation Device
NM:	Nautical Mile
OCMI:	USCG, Officer-in-Charge Marine Inspection
PFD:	Personal Flotation Device
SPC:	Sector Prevention Command
STCW:	Standard Training and Certification Watchstanding
TWIC:	Transportation Worker Identification Credential
UPV:	Uninspected Passenger Vessel
USC:	United States Code

Copy of Regulations

For more detailed information, contact the Prevention Department at your local Sector office. The following summary of requirements is free; however, you may purchase a full text copy of the Federal regulations through the Government Printing Office at [HTTP://bookstore.gpo.gov/](http://bookstore.gpo.gov/), or by contacting GPO at (866) 512-1800. United States Code (USC) and the Code of Federal Regulations (CFRs) are also available online at www.gpoaccess.gov/cfr/.

Penalties

In accordance with *46 USC 4106*, if an UPV is operated in violation of applicable laws and regulations, the owner, charterer, managing operator, agent, master, and individual in charge are each liable for criminal or civil penalties. The UPV is liable *in rem* for the penalty.

DEFINITIONS

Demarcation Line:

The regulations in this part established the lines of demarcation delineating those waters upon which mariners shall comply with the International Regulations for Preventing Collisions at Sea, 1972 (72 COLREGS) and those waters upon which mariners shall comply with the Inland navigation Rules. The waters inside the lines are Inland Rules waters. The waters outside the lines are COLREGS waters. *33 CFR 80.01 (a) (b)*

Merchant Mariner Credential:

An MMC is the credential issued by the Coast Guard under 46 CFR part 10. It combines the individual merchant mariner's document, OUPV license, and certificate of registry enumerated in 46 U.S.C. subtitle II part E as well as the STCW endorsement into a single credential that serves as the mariner's qualification document, certificate of identification, and certificate of service.

TWIC:

A common identification credential for all personnel requiring unescorted access to secure areas of [MTSA](#)-regulated facilities and vessels, and all mariners holding Coast Guard-issued credentials such as your OUPV License. Individuals who meet TWIC eligibility requirements will be issued a tamper-resistant credential containing the worker's biometric (fingerprint template) to allow for a positive link between the card and the individual. All workers need to carry your TWIC as well as your license when operating under the identification provisions found in 46 CFR 15.415.

Crewmember:

An individual who is on board a vessel acting under the authority of a license, certificate of registry, or merchant mariner's document issued under this subchapter, whether or not the individual is a member of the vessel's crew; or engaged or employed on board a vessel owned in the United States that is required by law or regulation to engage, employ, or be operated by an individual holding a license, certificate of registry, or merchant mariner's document issued under this subchapter. *46 CFR 16.105 (a) (b)*. ← Drug Prog Def.

Consideration:

An economic benefit, inducement, right, or profit including monetary payment going to an individual, person, or entity, but not including a voluntary sharing of the actual expenses of the voyage, by monetary compensation of fuel, food, beverage, or other supplies. *46 USC 2101 (5a)*

Passenger:

Any person on a vessel, other than the owner or an individual representative of the owner or in the case of vessel under charter, an individual charterer or individual representative of the charterer, master and the members of the crew, or other any other person employed or engaged in any capacity on board a vessel in the business of that vessel. *46 USC 2101 (21) and 46 CFR 24.10-1.*

Note: All persons on board are crewmembers, passengers, or National Marine Fisheries Service official observers. **THERE ARE NO GUESTS OR “OTHER” OBSERVERS.**

Passenger for Hire:

Passenger for whom a consideration is contributed as a condition of carriage whether directly or indirectly flowing to the owner, charterer, operator, agent, or any other person interested in the vessel is a passenger for hire. *46 USC 2101 (21a)*

UPV :

A vessel not subject to inspection by the Coast Guard under *46 USC 3301*, less than 100 GTs:

- ◆ Carrying no more than six passengers, including at least one passenger for hire, or
- ◆ Chartered with the crew provided by the owner or owner’s representative, and carrying six or fewer passengers. *46 USC 2101(42)(B)*

UPVs may also include vessels over 100 GTs but less than 300 GTs that carry not more than 12 passengers, with at least one being a passenger for hire. Such vessels are discussed in the Enclosure (3). Please contact the Coast Guard using one of the phone numbers provided on page three of this booklet for any questions regarding such vessels.

PERSONNEL LICENSING

Applies To:

All UPVs, 100 GTs or less, carrying at least one passenger for hire.

Personnel Licensing:

Every UPV must be under the direction and control of an individual licensed by the Coast Guard. *46 CFR 15.605*

The following rules apply:

- An individual holding a Merchant Mariner Credential (MMC) or license as master or pilot of inspected, self-propelled vessels is authorized to serve as operator of an UPV within any restrictions other than gross tonnage limitations on the individual's license;
- A licensed mate of inspected, self-propelled vessels on the Great Lakes, inland, or rivers **of not more than 200 GTs** are authorized to serve as an operator of an UPV and must operate in their respective waters only; if a licensed mate of over 200 GTs, see below;
- A licensed mate of oceans and coastwise inspected, self-propelled vessels is authorized to serve as an operator of an UPV, within any restrictions other than gross tonnage limitations on the individual's license. *46 CFR 15.905*

An individual may not serve in a position in which the individual is required to hold a license unless the individual holds a valid license authorizing service in the capacity in which the individual is employed and the individual serves within any restrictions placed on the license. *46 CFR 15.401*

The original Coast Guard MMC or license suitable for the vessel's route and service license must be kept on board and be available for immediate presentation to Coast Guard officials whenever passengers are being carried for hire.

46 CFR 26.20-1

Each person required to be licensed (MMC), hold a MMD or STCW shall hold a valid Transportation worker Identification Credential. **You must have a valid TWIC for initial issue or renewal of your MMC** *46 CFR 10.113 and 12.01-11.*

Must be aboard

There is no requirement for mates or other UPV personnel who are not in control of the vessel to hold a Coast Guard license or document.

Watchstanding

Applies to:

All UPV's of 100 GTs or less, carrying at least one passenger for hire.

Work-hour Limitations:

A licensed individual may not be *required* to work more than 12 of 24 hours at sea, except in an emergency when life or property is endangered. *46 USC 8104 (b)*

UPVs operating more than 12 hours *should* have a two-watch system, specifically a second licensed operator.

Licensed individuals serving as the operator of a UPV may voluntarily work more than 12 hours in a 24-hour period. *He or she must maintain an adequate watch.* If they have no relief and are too fatigued to stand an alert watch, then that individual would be negligent for failure to maintain an adequate watch. Charter fishing and dive vessels routinely operating more than 24 consecutive hours with only one licensed operator present significant issues of negligence on the part of the UPV operator or owner for failure to provide an adequate watch. Between 12 and 24 hours of operation, there is a gray area in which the owner/operator of the UPV must judge the prudence of a decision to sail without a second licensed individual.

It has been suggested by some operators that a qualified seaman could be left at the helm while the licensed operator sleeps close by. This is an untenable position. *46 USC 8903* mandates the vessel be operated (under the "direction and control") by a licensed individual; the Coast Guard does not have the discretion to allow any unlicensed seaman to control the vessel without supervision.

VESSEL DOCUMENTATION

Applies To:

All UPVs of at least 5 net tons. $\text{Generally } >25\text{ft} // \text{Net Tons} = (\text{LOD} \cdot \text{Beam}) \cdot \text{D} / 100$
 $\text{LOD} - \text{length of main deck} // \text{D} - \text{main deck to bottom of bilge} // \text{Beam} - \text{max width}$

Certificate of Documentation: Over 5 Net Tons

A UPV of at least 5 net tons that engages in domestic or coastwise trade must have a Certificate of Documentation (COD) on board bearing a valid endorsement for the activity in which it is engaged. *46 CFR 67.*

UPVs whose route is from point "A" in the U.S. to point "B" in the U.S., or returning to point "A" without leaving U.S. territorial waters must hold a COD documented for *coastwise trade*. *46 USC 12106(b), 46 CFR 67.19(a), 19 CFR 4.80.*

COD endorsements are valid for 1 year.

- ◆ COD endorsements are valid for 1 year.
- ◆ To renew, an original Notice of Expiration (CG-1280) or Final Notice of Expiration (CG-1280-B) form must be completed;
- ◆ The renewal forms can be obtained through the Coast Guard's National Vessel Documentation Center at (800) 799-8362; or at <http://www.uscg.mil/hq/cg5/nvdc/default.asp>
46 CFR 67.163

Display of official number:

- ◆ BLOCK-type Arabic numerals not less than **three** inches in height;
- ◆ Preceded by the abbreviation "NO.";
- ◆ Must be marked on some clearly visible **interior** structural part of the hull;
- ◆ Must be permanently affixed so that alteration, removal, or replacement would be obvious. *46 CFR 67.121*

Example: NO. 123456

VESSEL DOCUMENTATION (CONTINUED)

Documented Vessel Markings:

UPV name must be marked on some CLEARLY visible **exterior** part of the port and starboard bow and the stern. The hailing port must be marked on some clearly visible **exterior** part of the stern, the hailing port must be a place in the United States and must include the State, territory, or possession in which it is located;

- For UPVs with a square bow, the name must be marked on some clearly visible **exterior** part of the bow in a manner to avoid obliterating. The name and hailing port must be marked on some clearly visible **exterior** part of the stern;
- These markings, which may be made by the use of any means and materials which result in durable markings, must be made in clearly legible letters of the Latin alphabet or Arabic or Roman numerals not less than **four** inches in height. *46 CFR 67.123*

UPVs Under 5 Net Tons

UPVs under 5 net tons shall either have a COD or be State numbered. A State registered, undocumented vessel must have a valid state certificate aboard whenever the vessel is underway. State registration certificate must be endorsed for *Commercial* or *Commercial Passenger* service. *33 CFR 174.19(a) / 173.21(a)*. if the State has such a distinction

Vessel markings (State Registered):

- Numerals and letters of State issued numbers must be plain, block characters reading from left to right, and must not be less than **three** inches in height;
- Numbers must be painted or permanently attached to each side of the forward half of the vessel, must be visible from each side of the vessel;
- The color of the numbers and letters must be in contrast with the background to which they are affixed.
- Spaces must be placed between letters and numerals; they must be equal to the width of a letter or numeral (other than I or 1). *33 CFR 173.27*

Example: VA 1234 AB or FL-1234-AB

DRUG TESTING

Applies To:

- ◆ Coast Guard (CG) licensed UPV crewmembers, operators and/or masters acting under the authority of a license/MMC.
- ◆ UPV crewmembers who do not hold a MMC but whose duties directly affect the safe operation of the vessel (such as those who assist passengers in emergency evolutions).
- ◆ Crewmember includes all individuals above. That perform safety sensitive duties aboard

Pre-Employment Testing

No marine employer shall engage or employ any individual to serve as a crewmember unless the individual passes a chemical test for dangerous drugs for that employer. This may be waived if the individual can satisfactorily provide evidence that the individual either:

- passed a chemical test for dangerous drugs within the past six months with no subsequent positive tests
- or during the previous 185 days, has been subject to random testing for at least 60 days and did not fail or refuse to participate in a chemical test for dangerous drugs. *46 CFR 16.210*

Periodic Testing

Whenever a physical examination is required for an individual for Licensing by 46 CFR Part 10, a chemical test for dangerous drugs must be included as a part of the physical examination, unless exempted under paragraph (c). *46 CFR 16.220*

Random Testing

Marine employers shall establish programs for the chemical testing for dangerous drugs on a random basis of their crewmembers. Crewmembers shall be tested on a random basis at an annual rate generally of not less than 50%. Random selection means that all crewmembers have an equal chance of selection. *46 CFR 16.230(b)*

Reasonable Cause Testing

Employers shall require any crewmember of the UPV who is reasonably suspected of using a dangerous drug to be chemically tested for dangerous drugs. The employer's decision must be based on a reasonable and articulate belief that the individual has used a dangerous drug based on direct observation. Where practicable, this belief should be based on observations by two persons in supervisory positions. *46 CFR 16.250*

DRUG TESTING (CONTINUED)

Serious Marine Incident *46 CFR 4.06*

The marine employer shall ensure that all persons directly involved in a serious marine incident (SMI) are chemically tested within 32 hours for dangerous drugs and within 2 hours for alcohol, IAW the requirements for mandatory chemical testing.

Must demonstrate the capability to meet the alcohol testing requirements by carrying test kits on board or identify an approved facility where the testing will be conducted for all the vessel's hours of operation.

Testing

A serious marine incident includes the following events

- ◆ A marine casualty or accident required to be reported to the CG that results in one or more deaths,
- ◆ Injury requiring professional medical treatment and, for a crewmember, that renders the person unfit to perform his or her routine duties,
- ◆ Damage to property in excess of \$100,000,
- ◆ Actual or constructive total loss of any vessel subject to inspection, or
- ◆ Actual or constructive total loss of any self-propelled vessel, not subject to inspection, of 100 gross tons or more,
- ◆ A discharge of oil of 10,000 gallons or more into U.S. navigable waters; or
- ◆ A discharge of a reportable quantity of a hazardous substance into U.S. navigable waters or a release of a reportable quantity of a hazardous substance into the environment of the United States. *46 CFR 16.240*

Failure of a Drug Test *46 CFR 16.201* **(a.k.a. Positive Test Results)**

If an individual fails a chemical test for dangerous drugs under this part, the individual will be presumed to be a user of dangerous drugs.

If an individual holding a license, certificate of registry, or merchant mariner's document fails a chemical test for dangerous drugs, the individual's employer or prospective employer shall report the test results in writing to the nearest Coast Guard Officer in Charge, Marine Inspection (OCMI). An individual shall be denied employment as a crewmember or removed from duties which directly affect the safe operation of the vessel as soon as practicable. An individual holding a merchant mariner credential shall be subject to suspension and revocation proceedings.

If an individual does not hold a license, merchant mariner's document, or certificate of registry fails a chemical test for dangerous drugs, the individual shall be denied employment as a crewmember or removed from duties which directly affect the safe operation of the vessel as soon as possible. *46 CFR 16.201*

DRUG TESTING (CONTINUED)

Drug Testing Records

[Company Drug testing Policy](#)

[D.E.R.](#)

[Help Line Phone Numbers](#)

Employers shall maintain records of chemical tests which the Medical Review Officer reports as **positive** or “**non-negative**” for a period of five years. Records of tests reported as **negative** shall be retained for one year.

Pre-employment test records are to be maintained for the duration of employment.

46 CFR 16.260 [The CCF and MRO test result](#)

[Proof of having attended a 1 hr EAP \(supervisors an additional 1 hr EAP\)](#)

Chemical Testing History

Employers must conduct 2-year drug and alcohol testing history checks for all newly hired crewmembers. 49 CFR 40.25

- ◆ Employers must obtain a newly hired crewmember’s written consent to contact previous employers for this purpose.
- ◆ Employers must contact previous marine employers, and any other employer that are subject to federal DOT chemical testing regulations (i.e. commercial trucking, aviation, railroad, and public transportation agencies);
- ◆ Employers must inquire of previous employers if the newly hired crewmember has failed or refused a federal/DOT chemical test within the previous 2 year period; [within 30 days](#)
- ◆ Employers must not employ anyone as a crewmember if that person has failed or refused a federal/DOT chemical test within the previous two-year period. [from a SAP](#)
- ◆ An employer may employ a crewmember who has completed a prescribed treatment program as outlined in 49 CFR Part 40.293 through 40.305, and who has been issued a “Return to duty” letter from a certified medical review officer.
- ◆ Employers must maintain this info on file for at least three years, regardless of the crewmember’s duration of employment.

Note: Marine employers may obtain a sample consent and report form that may be reproduced and used in order to achieve compliance with this regulation by going to:

http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/aam/drug_alcohol/forms/media/Release_of_Information_Page.pdf

DRUG TESTING (CONTINUED)

Management Information System Reports

Employers must submit a Management Information System (MIS) report (OMB No. 2105-0529) by March 15th of the following calendar year. This form must be submitted to Coast Guard Headquarters at the address listed below:

COMMANDANT (CG-5451)
ATTN DAPI
US COAST GUARD
2100 2ND ST SW STOP 77581
WASHINGTON, DC 20593-7581

This form may be downloaded from:

<http://homeport.uscg.mil/mycg/portal/ep/home.do> > Investigations > Drug & Alcohol Program > DAPI Program Forms. It can also be obtained from any Coast Guard Sector Prevention office.

Note: Employers who submitted this form for any three consecutive years, and Who have not employed more than ten crewmembers (including the owner who may also be the operator) are exempt from this requirement. If the employer subsequently employs more than ten crewmembers (including self employed operators) then the MIS form must again be submitted.
46 CFR 16.500

There is capability online to submit the report at the following site:
<http://damis.dot.gov>

Operating While Intoxicated

A person is prohibited from operating UPVs while intoxicated. A person is considered operating the UPV when that person is a crewmember (including a licensed person) of the vessel. A person operating a vessel (other than recreational vessel) is considered intoxicated if his or her blood alcohol content (BAC) is 0.04 or more by weight. A person is also considered intoxicated when the effect(s) of the intoxicant(s) consumed have an apparent and observable effect on his or her manner, disposition, speech, and/or muscular movement. 33 CFR 95.015 & .020

General operating rules for vessels inspected, or subject to inspection, under Chapter 33 of Title 46 United States Code.

While on board a vessel inspected, or subject to inspection, under Chapter 33 of Title 46 United States Code, a crewmember (including a licensed individual), pilot, or watchstander not a regular member of the crew: (a) Shall not perform or attempt to perform any scheduled duties within four hours of consuming any alcohol; (b) Shall not be intoxicated at any time; (c) Shall not consume any intoxicant while on watch or duty; and (d) May consume a legal non-prescription or prescription drug provided the drug does not cause the individual to be intoxicated. *33 CFR 95.045*

Note: Intoxicants include alcohol, drugs, or combination thereof.

MARINE CASUALTY REPORTING

Applies To:

All CG documented UPVs.

For undocumented UPVs (state numbered), a casualty or accident report must be submitted to the reporting authority of the state who issued the state numbers or to the state where the accident occurred. *33 CFR 173.51 & .59, 46 CFR 4.01-3*

Verbal Notice of Marine Casualty:

The following applies to CG documented UPVs:

Immediately after addressing safety concerns, the owner, master, operator, or person in charge shall notify the nearest Coast Guard Sector whenever a vessel is involved in a marine casualty, such as:

- ◆ An unintended grounding, or an unintended strike of a bridge or bridge fendering system;
- ◆ An intended grounding or an intended strike of a bridge that creates a hazard to navigation, the environment, or safety of a vessel;
- ◆ Loss of main propulsion, primary steering, etc. that reduces the maneuverability of the vessel;
- ◆ An occurrence adversely affecting the seaworthiness or fitness including fire, flooding, or failure of/damage to fire fighting, lifesaving, & auxiliary power equipment, or bilge-pumping systems;
- ◆ A loss of life;
- ◆ Injury requiring professional medical treatment and, for a crewmember, that renders the individual unfit to perform his or her routine duties;
- ◆ Any occurrences of injury or loss of life to any person while diving from a vessel and using underwater breathing apparatus or
- ◆ Occurrence causing property damage above \$25,000 including cost of labor and material but not cost of salvage, gas-freeing, drydocking, or demurrage. *46 CFR 4.05-1*

(Demurrage is "the compensation payable to a carrier of freight whose vehicle or vessel is delayed, as by failure to load or unload the freight within the time allowed." Webster.)

MARINE CASUALTY REPORTING (CONTINUED)

Written Notice of Marine Casualty

In addition to the verbal report, the owner, master, operator, or person in charge shall, within 5 days, file a written report with the nearest OCMI or Sector Prevention Office on form CG-2692: Report of Marine Accident, Injury or Death and, as necessary, be supplemented by form CG-2692B: Report of Required Chemical Drug & Alcohol Testing following a Serious Marine Incident.

Serious Marine Incident includes the following events involving a UPV in commercial service:

A marine casualty or accident required to be reported to the CG that results in:

- ◆ one or more deaths,
- ◆ injury requiring professional medical treatment and, for a crewmember, that renders the person unfit to perform his or her routine duties,
- ◆ damage to property in excess of \$100,000,
- ◆ actual or constructive total loss of any vessel subject to inspection, or
- ◆ actual of constructive total loss of any self-propelled vessel, not subject to inspection, of 100 gross tons or more,
- ◆ a discharge of oil of 10,000 gallons or more into U.S. navigable waters;
- ◆ a discharge of a reportable quantity of a hazardous substance into U.S. Navigable waters or a release of a reportable quantity of a hazardous substance into the environment of the United States.

46 CFR 4.03-2, 46 CFR 4.05-10

***CG-2692 must be submitted in writing with an original signature.**

COMMUNICATIONS

Applies To:

All UPVs over 20 meters (65.6 feet) in length. *33 CFR 26.03(a)(1)*

VHF-FM Radio:

UPVs of 20 meters and over must have one or more VHF-FM radios onboard as prescribed by 33 CFR 26 and 47 CFR 80, and must be capable of transmitting and receiving on channel 22A (157.1 Mega-Hertz).

When transiting any waters within a vessel traffic service (VTS) area, a second VHF-FM radio must also be onboard. *33 CFR 26.03*

VHF-FM, MF and HF Radios Equipped for DSC:

All VHF-FM, Medium and High Frequency (also known as single side band (SSB)) Radios that are equipped for Digital Selective Calling (DSC), should have a Maritime Mobile Service Identity (MMSI) programmed and have an input from a GPS. See: <http://www.uscg.mil/acquisition/rescue21/benefits.asp>

Radio Station Licenses:

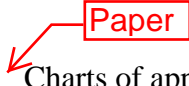
Radio transmitting devices onboard UPVs of 20 meters and greater, and UPVs with Single Side Band radios, must be licensed by the Federal Communications Commission (FCC). The licenses are valid for 10 years. If the license has just recently been applied for, a UPV should have a copy of FCC Form 605 and its accompanying Schedule B for use as a temporary permit. FCC ship station license application forms can be obtained by calling the Federal Communications Commission at (800) 418-FORM (3676), or online at <http://www.fcc.gov/>. The license is issued to the UPV, and cannot be transferred to another vessel. *47 CFR 80.13 & .25*

Each UPV 20 meters and greater in length must have a radio operator who holds a restricted radiotelephone operator permit or higher class license. Operator permits and licenses issued on or after 25 March 2008 no longer expire, and are valid for the life of the holder. *47 CFR 80.163*

CHARTS AND NAUTICAL PUBLICATIONS

Charts and Nautical Publications

As appropriate for the intended voyage, all vessels must carry adequate and up-to-date—

-  Charts of appropriate scale to make safe navigation possible;
- “U.S. Coast Pilot” or similar publication;
<http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>
- Coast Guard light list;
<http://www.navcen.uscg.gov/pubs/LightLists/LightLists.htm>
- Tide tables; <http://www.saltwatertides.com/pickpred.html> - and
- Current tables, or a river current publication issued by the U.S. Army Corps of Engineers, or a river authority.

Alternative Compliance:

As an alternative, you may substitute extracts or copies from the publication above. This information must be applicable to area transited.

46 CFR 26.03-4.

NAVIGATION LIGHTS & SOUND SIGNALS

Applies to:

All UPVs at anchor or underway from sunset to sunrise, or in or near areas of restricted visibility.

Inland Rules:

The operator of each UPV 12 meters (39.4 feet) long or more, operating in Inland Waters and Canadian Waters of the Great Lakes, shall carry a copy of the Inland Navigation Rules, COMDTINST M16672.2D.

33 CFR 88.05

Navigation Lights:

Each UPV underway, greater than 12 meters (39.4 feet) shall display, per Navigation Rule 23, Inland and International:

UPVs underway shall display:

- ◆ red and green sidelights (displayed on port and starboard sides respectively) showing light from right ahead across an unbroken arc (unobstructed) of 112.5 degrees across the horizon,
- ◆ one white masthead light showing light from right ahead across an unbroken arc (unobstructed) of 225 degrees (112.5 degrees on either side of center line) across the horizon,
- ◆ an additional masthead light abaft of and higher than the first mast head lights if the UPV is 50 meters (164 feet) or greater in length (except that a UPV may show this light forward of and lower than other masthead lights if such lights are displayed on the UPV's aft mast ,*
- ◆ one white stern light placed on UPV's centerline showing light astern across an unbroken arc (unobstructed) of 135 degrees across the horizon,

** Note: UPVs 20 meters (65.6 feet) or greater in length may not place all of their masthead lights aft of their sidelights. See Navigation Rules Annex I.3 (b) & (d), both Inland and International, for further details on horizontal light placement.*

UPVs less than 12 meters (39.4 feet) may substitute one all around (unobstructed) white light for the white masthead and stern lights.

NAVIGATION LIGHTS & SOUND SIGNALS (CONTINUED)

Note 1: it is recommended that the Inland and International Navigation Rules COMDTINST M16672.2D Navigation Rules, International - Inland) be reviewed for specific information on various configurations for lights and shapes. *Navigation Rule 23, Inland and International 23.*

Note 2: Navigation light fixtures with bulbs must comply with the horizontal and vertical sectors and meet the range requirements as outlined in Annex I of the Navigation Rules. Household bulbs and compact fluorescents are not permitted. **Use only manufacturer approved bulbs.**
Navigation Rules ANNEX I, Inland and International.

Sidelight Screens

For UPVs 20 meters (65.6 feet) or more in length, sidelights shall be fitted with matte black inboard screens. For UPVs less than 20 meters, sidelights, if necessary to meet the arc required of the light, shall be fitted with black matte inboard screens.

Vessels less than 20 meters (65.6 feet) can mount a combined lantern using a single vertical filament and a narrow division between the red and green sectors. With combined lanterns, external screens need not be fitted.
33 CFR 84.09

Sound Signals:

Efficient bell and whistle per Navigation Rule 33, Inland and International:

- ◆ UPVs less than 12 meters (39.4 feet) in length must have a means of making an efficient sound signal.
- ◆ UPVs of 12 meters (39.4 feet) and more in length must have a whistle and bell (Note: The bell is not required under the International Rules, but is required if the vessel operates in any area where the Inland Rules apply):
- ◆ UPVs of 20 meters (65.6 feet) and more in length must have a whistle and bell of at least 200mm (7.9 inches) in diameter:
- ◆ UPVs over 20 meters (65.6 feet) in length must have a bell of at least 300 mm (11.8 inches) in diameter.

NAVIGATION LIGHTS & SOUND SIGNALS (CONTINUED)

Bells shall be of corrosion-resistant material and designed to give a clear tone. When practicable, a power-driven striker is recommended to ensure a constant force but manual operation shall be possible. 33 CFR 86.23

The bell does not have to be mounted. It must be on board the vessel and accessible.

Whistle

The audibility of a whistle must meet the following distances:

NOTE: This table is provided for information purposes only. It provides guidance that can be useful in explaining the whistle audibility requirements during an exam.

Audibility Table

Vessel Length		Audibility Range
Over or Equal to	Less Than	
	20 M (65.6 ft)	0.5 NM
20 M (65.6 ft)	75 M (246 ft)	1.0 NM
75 M (246 ft)	200 M (656 ft)	1.5 NM
200 M (656 ft)		2.0 NM

GARBAGE POLLUTION PREVENTION

Applies to:

All UPVs.

General Requirements:

No person may discharge garbage into U.S. navigable waters and tributaries. *33 CFR 151.66*

Garbage Placards:

Applies to UPVs over 26 feet in length.

UPVs shall display at least one garbage placard. Each placard must be at least nine inches wide by four inches high, made of durable material, and with letters at least 1/8" high. The placard must notify the reader of the following IAW *33 CFR 151.59 (d)*:

- ◆ Discharge of plastic or garbage mixed with plastic into any waters is prohibited;
- ◆ Discharge of garbage is prohibited in U.S. navigable waters and in all other waters within three nautical miles (NM) of the nearest land;
- ◆ Discharge of dunnage, lining, and packing material that float is prohibited within 25 NM of the nearest land;
- ◆ Other unground garbage may be discharged beyond 12 NM from the nearest land;
- ◆ Other garbage ground to less than one inch may be discharged beyond three NM of the nearest land;
- ◆ Violators are liable for civil penalties up to \$25,000, criminal fines up to \$500,000, and imprisonment for up to six years per violation;

Garbage placards must be displayed in prominent locations so that crew and passengers can read them. *33 CFR 151.59*

The discharge of all garbage into the Great Lakes or their connecting or tributary waters is prohibited. *33CFR151.59c*

GARBAGE POLLUTION PREVENTION (CONTINUED)

It is illegal for any vessel to dump plastic trash anywhere in the ocean or navigable waters of the United States. Annex V of the MARPOL TREATY is a new International Law for a cleaner, safer marine environment. Each violation of these requirements may result in civil penalty up to \$25,000, a fine up to \$50,000, and imprisonment up to 5 years.

U.S. Lakes, Rivers, Bays, Sounds and 3 miles from shore
ILLEGAL TO DUMP Plastic & Garbage
Paper Metal
Rags Crockery
Glass Dunnage
Food

3 to 12 miles
ILLEGAL TO DUMP Plastic
Dunnage (lining & packing materials that float) also if not ground to less than one inch:
Paper Crockery
Rags Metal
Glass Food

12 to 25 miles
ILLEGAL TO DUMP Plastic
Dunnage (lining & packing materials that float)

Outside 25 miles
ILLEGAL TO DUMP Plastic

State and local regulations may further restrict the disposal of garbage.

Waste Management Plan:

Applies to:

Oceangoing UPVs 40 feet or more in length that are engaged in commerce or equipped with a galley and berthing.

UPVs must have a waste management plan detailing who is responsible for the garbage, how it shall be collected, how it is to be stowed, and how it is disposed of.
33 CFR 151.57.

SAMPLE WASTE MANAGEMENT PLAN:

Waste Management Plan for (Vessel Name): _____
Person in Charge: _____

Solid Waste Management Procedures:

Crew Education:

At the beginning of each season, all crewmembers are reminded of the refuse discharge laws and shown the MARPOL V placard posted in the galley. Crew is told that it is vessel policy to stow all garbage materials on board except for food and paper when the vessel is outside of 12 miles. The captain orients all new crew and passengers to the rules governing the vessel including refuse laws and refuse handling.

If the vessel is within 12 miles of shore or returning to shore:

All refuse materials are put in garbage bags and stored on board until the end of the trip when the deckhand disposes of the bags in the dockside trash receptacles.

If the vessel is outside of 12 miles from shore:

All the garbage with the exception of food materials and paper is put in a garbage bag to be hauled to the dockside trash receptacle at trip's end. Food materials and paper generated in the galley are collected in a bucket (or in a paper bag or cardboard box) and the bucket emptied over the side (or the food filled bag or box is thrown overboard) by a crewmember.

OR

All vessel refuse is put in garbage bags and stored on board until they can be disposed or in dumpsters on shore.

LIFESAVING EQUIPMENT

Applies to: All UPVs.

Personal Flotation Devices, i.e., Life Preservers

All UPVs must have at least one CG approved **TYPE I PFD** of a suitable size for each person embarked. *46 CFR 25.25-5.*

Kapok and fibrous glass life preservers without plastic covered pad inserts are unacceptable.

Commercial hybrid PFDs may be substituted for life preservers if:

- ◆ It is worn when the UPV is underway and the intended wearer is not within an enclosed space;
- ◆ It is used in accordance with the marked conditions on the PFD and in the owner's manual; and
- ◆ Labeled for use aboard commercial vessels. *46 CFR 25.25-5(f), 45 CFR 160.077.*

For vessels operating on oceans, coastwise, and Great Lakes; Each life preserver intended to be worn ~~(including additional Type II and Type III PFDs carried aboard the vessel)~~ must have approved Type I retro-reflective material (often flexible tape with an adhesive backing) with *at least 200 sq. cm. (31 sq. in.)* of material on the front, *at least 200 sq. cm.* on the back, and, if reversible, *at least 200 sq. cm.* on each reversible side. The material attached on each side must be divided equally between the upper quadrants of the side and as close as possible to the shoulder area of the PFD.
46 CFR 25.25-15

Note: Additional Type II or Type III PFDs may be carried aboard a UPV, however, they may not be used to substitute any Type I PFDs that must be kept onboard (i.e. one Type I for each person embarked). **must be stowed separately**

On Ocean, Coastwise, or Great Lake voyages each life preserver and buoyant device or vest must have a CG approved PFD light attached to the front shoulder area. *46 CFR 25.25-13* **working** **required**

If a PFD light has a **non-replaceable power source**, the light must be replaced on or before expiration date. If a PFD light has a **replaceable power source**, the power source must be replaced before its expiration date, and the light must be replaced when is no longer serviceable.

LIFESAVING EQUIPMENT (CONTINUED)

Ring Life Buoy

or White

UPVs 26 feet or longer in length must have at least one CG approved orange[↓] throwable ring life buoy with a minimum outside diameter of 20 inches. 46 CFR 25.25-5(d)
if on an International Voyage - it must be Orange

Emergency Position Indicating Radio Beacon (EPIRB)

UPVs are not required to carry EPIRBs. 46 CFR 25.26-10

Note: although not required by regulation, UPVs are highly encouraged to outfit their vessels with a float-free, automatically activated, Category 1, 406 MHz EPIRB. All EPIRBs must be registered with NOAA; see www.beaconregistration.noaa.gov



Visual Distress Signals (VDS)

All UPVs must carry three day and three night visual distress signals (VDS) while operating on Coastal Waters (which includes the Great Lakes) and Oceans. All VDS must be current (unexpired date).

Launchers. When a visual distress signal carried to meet these requirements requires a launcher to activate, then a launcher approved per 46 CFR 160.028 must also be carried.
33 CFR 175.113



Red Flare
(hand held/day and night)



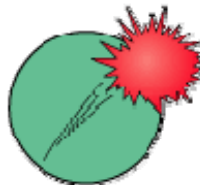
Parachute Flare
(day and night)



Orange Smoke Signal
(hand held/day only)



Floating Orange Smoke Signal
(day only)

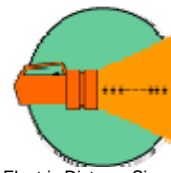


Red Meteor
(day and night)

Non-Pyrotechnic Device Examples



Orange Flag
(day only)



Electric Distress Signals
(night only)

Exceptions. The following persons need not comply with these carriage requirements; however, each must carry on board visual distress signals suitable for night use, selected from Table 175.130 (including "Existing Equipment"), in the number required, and between sunset and sunrise:

- ◆ A person competing in any organized marine parade, regatta, race, or similar event;
- ◆ A person using a manually propelled boat; or
- ◆ A person using a sailboat of completely open construction not equipped with propulsion machinery, less than 26 feet in length. *33 CFR 175.115*

Stowage. Visual distress signals required are readily accessible. *33 CFR 175.20*

Serviceability. Each signal is required to be in serviceable condition and the service life of the signal, if indicated by a date marked on the signal, has not expired. *33 CFR 175.125*

Marking. No person may use a boat unless each signal is legibly marked with the approval number or certification statement as specified in 46 CFR Parts 160 and 161. *33 CFR 175.128*

Visual distress signals required. No person may use a boat operating as an uninspected passenger vessel unless visual distress signals selected from the Table 175.130 or meeting the 'Existing Equipment' requirements, in the number required, are onboard. Devices suitable for day use and devices suitable for night use, or devices suitable for both day and night use, must be carried. *33 CFR 175.110*

Visual distress signals accepted.

- ◆ Any of the following signals, when carried in the number required, can be used to meet these requirements.:
 - An electric distress light meeting the standards of 46 CFR 161.013. One is required to meet the night only requirement.
 - An orange flag meeting the standards of 46 CFR 160.072. One is required to meet the day only requirement.
 - Pyrotechnics meeting the standards noted in Table 175.130.
- ◆ Any combination of signal devices selected from the types noted in paragraphs of this section, when carried in the number required, may be used to meet both day and night requirements. Examples--the combination of two hand held red flares (160.021), and one parachute red flare (160.024 or 160.036) meets both day and night requirements. Three hand held orange smoke (160.037) with one electric distress light (161.013) meet both day and night requirements. *33 CFR 175.130*

Existing equipment. Launchers manufactured before 1 January 1981, which do not have approval numbers, are acceptable for use with meteor or parachute signals listed in Table 175.130 under Sec. 175.130 as long as they remain in serviceable condition. *33 CFR 175.135*

Training to use your flares: You are authorized and encouraged to ignite flares from a shore side location for training purposes but you must notify the local USCG Station before and after training. **Ensure the local USCG Station knows** who, when, and where the flare evolution will take place. *33 CFR 175.140*

Flare Disposal: The USCG recommends that you dispose of them at your local fire department or contact your closest USCG station and ask if they hold flare training/demonstration days for the public..

<http://www.uscg.mil/hq/cg5/cg534/sarfactsinfo/IfYouSeeAflare.asp>

Prohibited use. No person in a boat shall display a visual distress signal on waters to which this subpart applies under any circumstance except a situation where assistance is needed because of immediate or potential danger to the persons on board. *33 CFR 175.140*

Table 175.130--Pyrotechnic Signal Devices

Approval number under 46 CFR	Device Description	Meets Requirements for	Number
160.021	Hand Held Red Flare Distress Signals ³ .	Day and Night	3
160.022	Floating Orange Smoke Distress Signals.	Day Only	3
160.024	Parachute Red Flare Distress Signals.	Day and Night ¹	3
160.036	Hand-Held Rocket- Propelled Parachute Red Flare Distress Signals.	Day and Night	3
160.037	Hand-Held Orange Smoke Distress Signals.	Day Only	3
160.057	Floating Orange Smoke Distress Signals.	Day Only	3
160.066	Distress Signal for Boats, Red Aerial Pyrotechnic Flare.	Day and Night ²	3

¹ These signals require use in combination with a suitable launching device approved under 46 CFR 160.028.

² These devices may be either meteor or parachute assisted type. Some of these signals may require use in combination with a suitable launching device approved under 46 CFR 160.028.

³ Must have a manufacture date of 1 Oct. 1980 or later.

Visual Distress Signals (VDS) (CONTINUED)

Miscellaneous Regulations:

- ◆ Lifesaving equipment required to be worn must be readily accessible. *46 CFR 25.25.9*
- ◆ Equipment designed to be thrown must be immediately available. *46 CFR 25.25.9*
- ◆ When carried on UPVs, approved buoyant vests (Type III PFD's) shall be stowed separately from the regular stowage of required lifesaving equipment. Such equipment will not be used to substitute other lifesaving equipment (PFDs) required by the Regulations. *46 CFR 26.30.*
- ◆ The lifesaving equipment must be CG approved and in serviceable condition. Although not required by regulation, if you carry an inflatable survival craft/life raft, it ~~must~~ should be in serviceable condition with a current servicing/inspection date. *46 CFR 25.25-11*

FIRE FIGHTING EQUIPMENT

Applies to:

All UPVs.

Fire Fighting Equipment

- ◆ All hand fire extinguishers, semi portable, and fixed fire extinguishing systems shall be USCG approved or Underwriters Laboratory (UL) listed for marine use and marked as such. *46 CFR 25.30-5(b)*
- ◆ All required hand portable fire extinguishers and semiportable fire extinguishing systems are "B" type; i.e., suitable for extinguishing fires involving flammable liquids, grease, etc. *46 CFR 25.30-10(b)*
- ◆ All UPVs of 65 feet in length and smaller shall carry at least the minimum fire extinguishers as set forth in the table below:

Table 46 CFR 25.30-20(a)(1)

Vessel Length		Minimum number of B-I hand portable fire extinguishers	
Equal Or Over	Under	No fixed FF in Machinery Space	Fixed FF in Machinery Space
---	16'	1	0
16'	26'	1	0
26'	40'	2	1
40'	---	3	2

Note: One B-II fire extinguisher may be used to substitute 2 B-I fire extinguishers.

All UPVs over 65 feet in length shall carry at least the minimum fire extinguishers as set forth in Table on the following page.

FIRE FIGHTING EQUIPMENT (CONTINUED)

Gross tonnage		Minimum number of B-II hand portable fire extinguishers
Over	Not over	
----	50	1
50	100	2

In addition to the hand portable fire extinguishers required by Table 25.30-20(b)(1) above, a B-II portable fire extinguisher is required for each 1000 B.H.P. of the main engines or fractions thereof. However, no more than 6 such extinguishers need to be carried.

When a fixed fire-extinguishing system is installed, it must be a type approved or accepted by the Lifesaving and Fire Safety Division, commandant (CG-5214) or the Commanding Officer, U.S. Coast Guard Marine Safety Center. If the system is a carbon-dioxide type, then it must be designed and installed in accordance with 46 CFR 76.15.
46 CFR 25.30-15

FIRE PREVENTION AND SUPPRESSION

Ventilation: UPVs Built *Before 1980*

Applies to:

UPVs built on or before July 31, 1980 that use fuel having a flash point of 110 degrees F or less (gasoline).

- ◆ UPVs shall have at least two ventilation ducts, fitted with cowls or their equivalent, for the removal of explosive or flammable gases from the bilges of all engine compartments and all fuel tank compartments.
- ◆ At least one exhaust duct shall extend from the open atmosphere to the lower portion of the bilge. At least one intake duct shall extend to a point at least midway to the bilge, or at least below the level of the carburetor air intake. *46 CFR 25-40-1.*

Note. UPVs built after July 31, 1978 are exempt from requirements for fuel tank compartments that (a) contain a permanently installed fuel tank if each electrical component is ignition protected in accordance with 33 CFR 183.410(a), and (b) contain fuel tanks that vent to the outside of the vessel. Vessels that comply with 33 CFR 183 Subsection K (see below, UPVs built after 1980) do not need to comply with this section.

Ventilation: UPVs Built *After 1980*

Applies to:

UPVs built after July 31, 1980 that uses fuel having a flashpoint of 110 degrees F or less (gasoline). *33 CFR 183.601*

Blowers

- ◆ UPVs with permanently installed, gasoline engines which are not open to the atmosphere must be ventilated by an exhaust blower system in accordance with the applicable Regulations.
- ◆ Each intake duct for an exhaust blower must extend to the lower one-third of the compartment, and above the normal level of accumulated bilge water.
- ◆ Each vessel that is required to have an exhaust blower system must also have a label as close to the engine ignition switch as practicable, which says the following:

FIRE PREVENTION AND SUPPRESSION (CONTINUED)

WARNING – GASOLINE VAPORS CAN EXPLODE. BEFORE STARTING ENGINE, OPERATE BLOWER FOR AT LEAST 4 MINUTES AND CHECK ENGINE COMPARTMENT BILGE FOR GASOLINE VAPORS. 33 CFR 183.610

Natural Ventilation

UPVs must have “natural ventilation” which means an airflow through the following compartments:

- ◆ Any compartment that contains a permanently installed gasoline engine;
- ◆ Any compartment that has openings between it and compartment that requires ventilation;
- ◆ Any compartment that contains a permanently installed fuel tank and an electrical component that is not ignition protected in accordance with 33 CFR 183.410(a);
- ◆ Any compartment that contains a non-metallic fuel tank.

Natural ventilation systems must consist of *supply intake* ducts or openings, as well as *exhaust* ducts or openings.

- ◆ Natural ventilations systems must have a supply intake opening located on the exterior surface of the UPV, or to another ventilated compartment, or compartment open to the atmosphere.
- ◆ Natural ventilation systems’ exhaust ducts or openings must originate in the lower one-third of the compartment. Each supply duct and exhaust duct must originate above the normal accumulation of bilge water.
- ◆ The minimum internal cross-sectional area of each supply intake and each exhaust duct must be determined in accordance with 33 CFR 183.610(d), but in any case the minimum cross-sectional area of each duct must exceed 3 square inches.

33 CFR 183.630

FIRE PREVENTION AND SUPPRESSION (CONTINUED)

Heating, Lighting, & Cooking Systems

UPV shall not use fuel in any heating, lighting or cooking system without approval from Commandant (CG-521), except for the following: 46 *CFR* 25.45-1 & 2

- ◆ Alcohol - solid (containers must be properly secured to a fixed base);
- ◆ Alcohol - liquid, combustible (must have a catch pan of not less than ¾ inch depth secured inside the frame of the stove, **and** a ¾" upward flange around the edge of the protection pan underneath the stove);
- ◆ Fuel oil - #1, #2, or #3 (must have a catch pan of not less than ¾ inch depth secured inside the frame of the stove, **or** a ¾" upward flange around the edge of the protection pan underneath the stove);
- ◆ Kerosene - (must follow the same guidelines as for fuel oil systems);
- ◆ Wood - (systems fitted after August 9, 1989 must be installed in accordance with guidelines of chapter 6 of NFPA 302);
- ◆ Charcoal - (must follow the same guidelines as for wood-burning systems).
- ◆ Liquefied Petroleum Gas (LPG) – **for cooking systems only**; additional requirements apply; see following page.
- ◆ Compressed Natural Gas (CNG) – **For cooking systems only**; additional requirements apply; see following page.

FIRE PREVENTION AND SUPPRESSION (CONTINUED)

Cooking Systems Using GNG or LPG

UPVs fitted with cooking systems that use compressed natural gas (CNG) or liquefied petroleum gas (LPG) must comply with additional requirements. *46 CFR 25.45-2*

LPG and CNG cooking systems must meet the compliance standards listed in the table below:

SYSTEM ELEMENT	COMPLIANCE STANDARD
LPG – Design, installation, and testing	ABYC ¹ A-1-78, or NFPA ² 302, ch. 6
LPG – Odorization ³	ABYC A-1.5.d
LPG – Cylinder markings and mounting ³	ABYC A-1.6.b
LPG – Cylinder type (vapor withdrawal) ₃	ABYC A-1.5.b
CNG – Design, installation and testing	ABYC A-22-78, or NFPA 302, ch. 6
CNG – Odorization ³	ABYC A-22.5.b
CNG – Cylinders, regulating equipment, and safety equipment: stowage, installation and testing ⁴	NFPA 302, ch. 6-5.12

1. *American Boat and Yacht Council.*
2. *National Fire Protection Association.*
3. *Applies only to LPG and CNG systems using NFPA 302, chapter 6 as the installation standard.*
4. *Applies only to CNG systems using ABYC as the installation standard.*

Other Requirements:

- ◆ CNG containers shall not be stored in accommodation areas, machinery spaces, bilges, or other enclosed spaces.
- ◆ LPG and CNG systems installed using ABYC standards, shall not be fitted with continuous pilot lights or automatic glow plugs.
- ◆ No UPV shall have a CNG stove with an attached CNG cylinder stowed in an enclosed space.

- ◆ Any fuel line proceeding from a CNG container into an enclosed space shall be fitted with a remote shut-off valve located between the CNG container and the point where the fuel line enters the enclosed portion of the vessel. A power-operated valve must be of a type that will fail closed.

The following deviations from ABYC and/or NFPA standards are allowed:

- ◆ The opening to the CNG container's storage locker or housing access need not be located on the top, as otherwise required by ABYC compliance standards.
- ◆ The installation of the CNG container's storage locker or housing access need not be above the waterline, as otherwise required by ABYC and NFPA compliance standards.
- ◆ Ignition protection need not be provided for LPG or CNG systems, as otherwise required by NFPA compliance standards.

Backfire Flame Control

Applies to gasoline engines on all UPVs installed after April 25, 1940, except outboard engines. *46 CFR 25.35-1*

Engines shall be equipped with an acceptable means of backfire flame control. The following are acceptable means of backfire flame control for gasoline engines: *46 CFR 58.10-5(3)*

- ◆ Backfire flame arrestors complying with Society of Automotive Engineers (SAE) J-1928 or Underwriters' Laboratories (UL) 1111, marked accordingly. The flame arrestor must be suitably secure to the air intake with a flamtight connection.
- ◆ An engine air and fuel induction system which provides adequate protection from propagation of backfire flame to the atmosphere equivalent to that provided by an acceptable backfire flame arrestor as cited in the previous example. Such systems that do not include an approved flame arrestor must either include a reed valve assembly, or installed in accordance with SAE J-1928.
- ◆ An arrangement of the carburetor or engine air induction system that will disperse any flames caused by engine backfire into the atmosphere outside the vessel, such that the discharged flames will not endanger the vessel, nearby vessels or structures, or persons in the immediate area. Flame dispersion may be achieved by attachments to the carburetor or air induction system. All attachments must be of metallic construction with flamtight connections, and be firmly secured to withstand vibration, shock, and engine backfire. Such systems do not require formal approval and labeling.

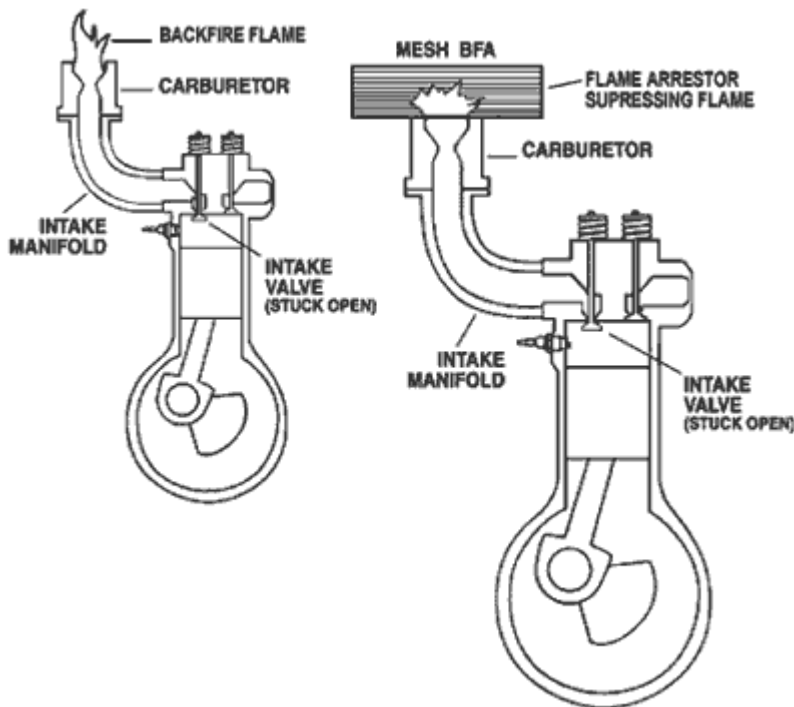
FIRE PREVENTION AND SUPPRESSION (CONTINUED)

Engines installed prior to November 19, 1952 may use an alternate backfire flame control system as long as it is serviceable, and in good working order.

Alternate backfire flame arrestors must bear basic Coast Guard approval numbers 162.015 or 162.041.

Alternate air and fuel induction systems must bear basic Coast Guard approval numbers 162.015 or 162.042.

Subsequent replacements of backfire flame control systems must meet the applicable standards described on the previous page. *46 CFR 25.35-1(b), (c)*.



SAFETY INSTRUCTION AND ORIENTATION

Safety Orientation

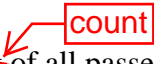
Applies to all UPVs.

Prior to getting underway, operators of UPVs must ensure public announcements, placards, or both are provided to passengers that address the following topics:

- ◆ Stowage locations of life preservers;
- ◆ Proper method of donning and adjusting life preservers carried aboard the vessel;
- ◆ The type and location of all lifesaving devices carried on the vessel;
- ◆ The location of the Emergency Check-off List (described in the next subsection).

46 CFR 26.03.1

Passenger Counts

All UPVs shall keep a correct ~~list~~  of all passengers received and delivered from day to day. Specifically, the master, owner, charterer, managing operator, or person in charge of the vessel is responsible for ensuring that this is done. *46 USC 3502.*

SAFETY INSTRUCTION AND ORIENTATION (CONTINUED)

Emergency Instructions

Operators of UPVs shall ensure that an emergency check-off list is posted in a conspicuous and continuously accessible place aboard the vessel. The emergency check-off list must include the following minimum information:

Measures to be considered for rough weather or for crossing hazardous bars:

- ◆ All water/weathertight hatches, doors, and airports closed to prevent taking water aboard;
- ◆ Bilges kept dry to prevent loss of stability
- ◆ Passengers seated and evenly distributed;
- ◆ All passengers wearing life preservers during rough seas or bar crossings;
- ◆ International distress call and call to the Coast Guard over radiotelephone (if so equipped) made if assistance is needed.

Measures to be considered in the event of man overboard

- ◆ Ring buoy thrown as close to person-in-the-water (PIW) as possible;
- ◆ Lookout posted to keep PIW in sight.
- ◆ Crewmember, wearing life preserver and tending line standing by to enter the water to assist in recovery, if necessary;
- ◆ Coast Guard and all nearby vessels notified by radiotelephone;
- ◆ Search continued until after radiotelephone consultation with the Coast Guard (if possible).

SAFETY INSTRUCTION AND ORIENTATION (CONTINUED)

Measures to be considered in the event of a fire at sea

- ◆ Cut off air supply to the fire by closing hatches, ports, doors, and ventilators, etc.
- ◆ Portable fire extinguishers discharged at the base of the flames of flammable liquid or grease fires, or water applied to fires of combustible solids.
- ◆ If fire is in machinery spaces, fuel supply and ventilation shut off, and any installed fixed firefighting system discharged.
- ◆ Vessel maneuvered to minimize the effect of wind on the fire.
- ◆ Coast Guard and all vessels in the vicinity notified by radiotelephone (if so equipped) of the fire, and location of the vessel.
- ◆ Passengers moved away from the fire, wearing life preservers.

46 CFR 26.03-2

MARINE SANITATION DEVICES

Applies to:

All UPVs with installed toilets operating the navigable waters of the U.S.

General Requirements:

Type I, II or III Marine Sanitation Devices (MSD) are required. They include any equipment for installation on board a vessel which is designed to receive, retain, treat or discharge sewage, and any process to treat such sewage. *33 CFR 159.3 & .7(a)*

- ◆ Type I MSD means a device that produces an effluence (discharge) having a fecal coliform bacteria count not greater than 1,000 per 100 milliliters and no visible solids.
- ◆ Type II MSD means a device that produces an effluence having a fecal coliform bacteria count not greater than 200 per 100 milliliters and suspended solids not greater than 150 milligrams per liter.
- ◆ Type III MSD means a device that is designed to prevent the overboard discharge of treated or untreated sewage or waste derived from sewage. Holding tanks can be discharged over the side no closer than three nautical miles from land.

Note: If a Type III MSD has a "Y" valve which allows discharge over the deck to a facility or through the hull over the side, it must be secured in U.S. navigable waters so as to prohibit accidental discharges overboard inside three nautical miles from land.
33 CFR 159.7(c)

MSD Systems

UPVs with installed toilet facilities must be equipped with a Type II or Type III MSD.
33 CFR 159.7(a)

Note:

Any UPV 65 feet or under in length may utilize a properly labeled and functioning Type I MSD. 33 CFR 159.7(c)(2)

Portable toilets or "port-a-potties" are not considered installed toilets and are not subject to MSD regulations. Such devices do not "treat" the sewage refuse. (cont)

MARINE SANITATION DEVICES (CONTINUED)

Consequently, discharge of this untreated sewage into coastal waters, estuaries, and other internal waters is prohibited. 40 CFR 140.3(d).

MSD Placard

Each Type I or II MSD must have an identification placard attached that provides;

- ◆ the name of the manufacturer,
- ◆ the name and model number of the device,
- ◆ the month and year of completion of manufacture,
- ◆ serial number,
- ◆ whether the device is certified for use on an inspected or and uninspected vessel,
- ◆ whether the device is Type I, II or III. *33 CFR 159.55*

Types I and II MSDs' must have placards posted, which provide; operating instructions, safety precautions, and warnings pertinent to the MSD. The letters on the placard must be at least one eighth of an inch. *33 CFR 159.59*

Locking the head door only applies to Type I or Type II heads

State No Discharge Zones: Some states have established No Discharge Zones for Vessel Sewage. The EPA maintains a current listing of the zones at:

http://www.epa.gov/owow/oceans/vessey_sewage/vsdnozone.html

40 CFR 140.4

OIL POLLUTION PREVENTION

Applies to:

All UPVs operating on the navigable waters of the U.S.

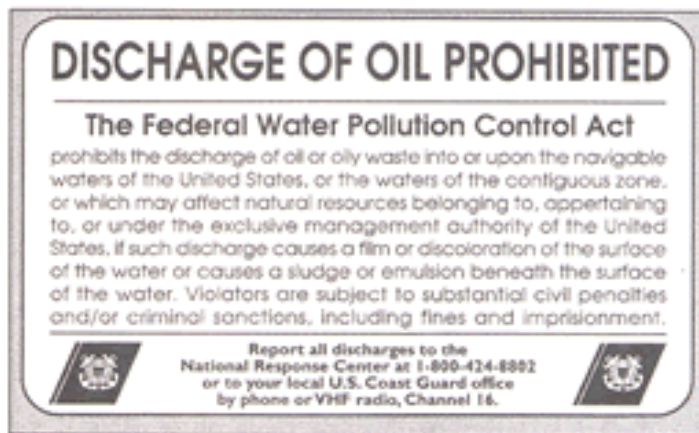
General Requirements

No person may intentionally drain oil or hazardous materials from any source into the bilge. *33 CFR 155.770*

No person may operate a U.S. non-oceangoing UPV in U.S. navigable waters unless it has the capacity to retain on board all oily mixtures and is equipped to discharge the oily mixtures to a reception facility. *33 CFR 155.330*

Oil Placard

UPVs 26 feet or more in length must have a placard posted in each machinery space and bilge system control station. The placard must be at least 5 by 8 inches, made of durable material, and shall state:



33 CFR 155.450

Bilge Slops Retention

Oceangoing UPVs shall have the capacity to retain all oily mixtures on board and be equipped to discharge these to a reception facility, or be equipped with a Coast Guard approved oily-water separator. An oily residue tank is not required on these UPVs. *33 CFR 155.350*

Non-oceangoing UPVs may not be operated in U.S. navigable waters, unless they have the capacity to retain on board all oily mixtures, and are equipped to discharge these oily mixtures to a reception facility. UPVs may retain oily mixtures in the bilges; an oily residue (sludge) tank is not required. *33 CFR 155.330.*

SPECIAL PERMIT

Special Permit or Excursion Permit

If an Uninspected Vessel is used for charity for fundraising activities, which would subject it to Coast Guard inspection, and the vessel can be safely operated, the OCMI may issue a special permit to the owner, operator, or agent. Each special permit is valid for only one voyage of a donated vessel, which is used for a charitable purpose. Applications are considered and approved on a case-by-case basis. *46 CFR 176.204*

Each of the following conditions must be met:

- ◆ Any charity using a donated vessel must be a bona fide charity or a non-profit organization qualified under section *501 (c)(3) of the Internal Revenue Code of 1986.*
- ◆ All donations received from the fundraising must go to the named charity;
- ◆ A permit may not be obtained for an individual vessel more than four times in a 12 month period; and
- ◆ You must apply to the local OCMI for a special permit prior to the intended voyage, allowing adequate time for processing and approval of the permit.

Nothing here may be construed as limiting the OCMI from making such tests and inspections, both afloat and in dry-dock that are reasonable and practicable to be assured of the vessel's seaworthiness and safety. *46 CFR 26.03-6*

MARINE EVENT OF NATIONAL SIGNIFICANCE

Determining a Marine Event of National Significance

For a Marine Event of National Significance, as determined by the Commandant, U.S. Coast Guard, a vessel may be permitted to engage in excursions while carrying passengers-for-hire for the duration of the event. Event sponsors seeking this determination must submit a written request to the Commandant (CG-54) at least one year prior to the event. *46 CFR 26.03-8*

Special Permits

A vessel that is registered as a participant in a marine Event of National Significance may apply for a special permit to carry passengers-for-hire for the duration of the event. The application is made to the Coast Guard OCMI who has jurisdiction over the vessel's first United States port of call. The OCMI may issue a Form CG-949 "Permit to Carry Excursion Party" if the operation can be undertaken safely. The OCMI may require an inspection prior to issuance of a special permit to ensure that the vessel can safely operate under the conditions for which the permit is issued.

The permit will state the conditions under which it is issued. These conditions must include the number of passengers-for-hire the vessel may carry, the crew required, the number and type of lifesaving and safety equipment required, the route and operating details for which the permit is issued, and dated for which the permit will be valid.

The permit must be displayed in a location visible to passengers.

The carrying of passengers-for-hire during a Marine Event of National Significance must comply with the regulations governing coastwise transportation for passengers under *19 CFR 4.50(b)* and *19 CFR 4.80(a)*.
46 CFR 26.03-8

ADDITIONAL RECOMMENDED SAFETY ITEMS

Federal Law or Regulations do not require the following items. However these items will contribute significantly to the safety of the passengers and crew of an Uninspected Passenger Vessel.

Safety Training Program

A UPV should have a safety-training program for all crew members on emergency procedures and safety equipment use. This program ought to include record keeping showing that drills and training are conducted regularly. The following emergency situations should be covered by the training and drills program;

- ◆ Fire
- ◆ Flooding
- ◆ Man overboard
- ◆ Abandon Ship
- ◆ Emergency /Distress Communications (MAYDAY)
- ◆ CPR and First Aid

Bilge Pump and Alarm

A UPV should have a properly installed bilge pump and bilge alarm. *Note: Some vessels are designed without a bilge, or have suitable reserve buoyancy to float the vessel in a totally swamped condition, and will not need the bilge pump and alarm.*

Backup Emergency Communications

A UPV should have some emergency communications capability that does not depend on the normal onboard power system that is located in an area of the vessel away from the normal power source for the vessel. A radio powered by a separate battery, a handheld VHF FM radio with a minimum of 5 watts of power, or a portable satellite phone can be used to provide this level of safety.

ADDITIONAL RECOMMENDED SAFETY ITEMS (CONTINUED)

EPIRB

A very important item for every vessel that goes off shore is a 406 MHz Emergency Position Indication Radio Beacon (EPIRB) Category I or II. These need to be properly mounted and registered.

Survival Craft

A UPV going off shore should have on board, a properly installed and serviced, Coast Guard approved inflatable liferaft or inflatable buoyant apparatus, canister or valise type, with a minimum capacity for all passenger and crew on board. *(Life floats or buoyant apparatus require much more storage space and a reduced level of safety, but may substitute for the above equipment. They should be equipped with lifeline, pendants, painter and floating electric light.)* Survival Craft should be stored so as to be float free or readily accessible.

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DEPARTMENT OF TRANSPORTATION U. S. COAST GUARD CG-2692 (Rev. 6-87)	<h1 style="margin: 0;">REPORT OF MARINE ACCIDENT, INJURY OR DEATH</h1>	TEST ELECTRONIC VERSION UNIT CASE NUMBER
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SECTION I. GENERAL INFORMATION

1. Name of Vessel or Facility		2. Official No.	3. Nationality	4. Call Sign	5. USCG Certificate of Inspection issued at:
6. Type (<i>Towing, Freight, Fish, Drill, etc.</i>)		7. Length	8. Gross Tons	9. Year Built	10. Propulsion (<i>Steam, diesel, gas, turbine ...</i>)
11. Hull Material (<i>Steel, Wood...</i>)	12. Draft (<i>ft. - in.</i>) FWD. AFT.	13. If Vessel Classed, By Whom: (<i>ABS, LLOYDS, DNV, BV, etc.</i>)		14. Date (<i>Of occurrence</i>)	15. Time (<i>Local</i>)
16. Location (<i>See instruction No. 10A</i>)				17. Estimated Loss or Damage TO:	
18. Name, Address & Telephone No. of Operating Co.				VESSEL \$ _____	
				CARGO \$ _____	
				OTHER \$ _____	
19. Name of Master or Person in Charge		USCG License <input type="checkbox"/> YES <input type="checkbox"/> NO		20. Name of Pilot	
				USCG License State License <input type="checkbox"/> YES <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> NO	
19a. Street Address (<i>City, State, Zip Code</i>)		19b. Telephone Number ()		20a. Street Address (<i>City, State, Zip Code</i>)	
				20b. Telephone Number ()	

21. Casualty Elements (*Check as many as needed and explain in Block 44.*)

NO. OF PERSONS ON BOARD _____ <input type="checkbox"/> DEATH- HOW MANY? _____ <input type="checkbox"/> MISSING- HOW MANY? _____ <input type="checkbox"/> INJURED- HOW MANY? _____ <input type="checkbox"/> HAZARDOUS MATERIAL RELEASED OR INVOLVED <i>(Identify Substance and amount in Block 44.)</i> <input type="checkbox"/> OIL SPILL-ESTIMATE AMOUNT: _____ <input type="checkbox"/> CARGO CONTAINER LOST/DAMAGED <input type="checkbox"/> COLLISION (<i>Identify other vessel or object in Block 44.</i>) <input type="checkbox"/> GROUNDING <input type="checkbox"/> WAKE DAMAGE	<input type="checkbox"/> FLOODING; SWAMPING WITHOUT SINKING <input type="checkbox"/> CAPSIZING (<i>with or without sinking</i>) <input type="checkbox"/> FOUNDERING OR SINKING <input type="checkbox"/> HEAVY WEATHER DAMAGE <input type="checkbox"/> FIRE <input type="checkbox"/> EXPLOSION <input type="checkbox"/> COMMERCIAL DIVING CASUALTY <input type="checkbox"/> ICE DAMAGE <input type="checkbox"/> DAMAGE TO AIDS TO NAVIGATION <input type="checkbox"/> STEERING FAILURE <input type="checkbox"/> MACHINERY OR EQUIPMENT FAILURE <input type="checkbox"/> ELECTRICAL FAILURE <input type="checkbox"/> STRUCTURAL FAILURE	<input type="checkbox"/> FIREFIGHTING OR EMERGENCY EQUIPMENT FAILED OR INADEQUATE <i>(Describe in Block 44.)</i> <input type="checkbox"/> LIFESAVING EQUIPMENT FAILED OR INADEQUATE <i>(Describe in Block 44.)</i> <input type="checkbox"/> BLOW OUT (<i>Petroleum exploration/production</i>) <input type="checkbox"/> ALCOHOL INVOLVEMENT <i>(Describe in Block 44.)</i> <input type="checkbox"/> DRUG INVOLVEMENT <i>(Describe in Block 44.)</i> <input type="checkbox"/> OTHER (<i>Specify</i>) _____
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22. Conditions

A. Sea or River Conditions <i>(wave height, river stage, etc.)</i>	B. WEATHER <input type="checkbox"/> CLEAR <input type="checkbox"/> RAIN <input type="checkbox"/> SNOW <input type="checkbox"/> FOG <input type="checkbox"/> OTHER (<i>Specify</i>) _____	C. TIME <input type="checkbox"/> DAYLIGHT <input type="checkbox"/> TWILIGHT <input type="checkbox"/> NIGHT	D. VISIBILITY <input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	E. DISTANCE (<i>miles</i>) _____ <i>(of visibility)</i> F. AIR TEMPERATURE _____ (F) G. WIND SPEED & DIRECTION _____ H. CURRENT SPEED & DIRECTION _____
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23. Navigation Information		24. Last Port Where Bound	24a. Time and Date of Departure
<input type="checkbox"/> MOORED, DOCKED OR FIXED	<input type="checkbox"/> ANCHORED <input type="checkbox"/> UNDERWAY OR DRIFTING	SPEED AND COURSE _____	

25. FOR TOWING ONLY	25a. NUMBER OF VESSELS TOWED	Empty	Loaded	Total	25b. TOTAL H.P. OF TOWING UNITS	25c. MAXIMUM SIZE OF TOW WITH TOW-BOAT(S)	Length	Width	25d. (<i>Describe in Block 44.</i>)
									<input type="checkbox"/> PUSHING AHEAD <input type="checkbox"/> TOWING ASTERN <input type="checkbox"/> TOWING ALONGSIDE <input type="checkbox"/> MORE THAN ONE TOW-BOAT ON TOW

SECTION II. BARGE INFORMATION

26. Name		26a. Official Number	26b. Type	26c. Length	26d. Gross Tons	26e. USCG Certificate of Inspection Issued at:
26f. Year Built	26g. <input type="checkbox"/> SINGLE SKIN <input type="checkbox"/> DOUBLE SKIN	26h. Draft FWD	AFT	26i. Operating Company		
26j. Damage Amount BARGE \$ _____ CARGO \$ _____ OTHER \$ _____			26k. Describe Damage to Barge			

REVERSE OF CG-2692 (REV. 6-87)		SECTION III. PERSONNEL ACCIDENT INFORMATION			
27. Person Involved <input type="checkbox"/> MALE or <input type="checkbox"/> FEMALE <input type="checkbox"/> DEAD <input type="checkbox"/> INJURED <input type="checkbox"/> MISSING		27a. Name (Last, First, Middle Name) <hr/> 27b. Address (City, State, Zip Code)		27c. Status <input type="checkbox"/> CREW <input type="checkbox"/> PASSENGER <input type="checkbox"/> OTHER (Specify)	
28. Birth Date	29. Telephone No. ()	30. Job Position		31. (Check here if off duty) <input type="checkbox"/>	
32. Employer -(If different from Block 18., fill in Name, Address, Telephone No.)					
33. Person's Time A. IN THIS INDUSTRY - B. WITH THIS COMPANY- C. IN PRESENT JOB OR POSITION- D. ON PRESENT VESSEL/FACILITY - E. HOURS ON DUTY WHEN ACCIDENT OCCURRED -			YEAR(S) _____ MONTH(S) _____ _____ _____ _____	34. Industry of Employer (Towing, Fishing, Shipping, Crew Supply, Drilling, etc.) <hr/> 35. Was the Injured Person Incapacitated 72 Hours or More? <input type="checkbox"/> YES <input type="checkbox"/> NO 36. Date of Death	
37. Activity of Person at Time of Accident					
38. Specific Location of Accident on Vessel/Facility					
39. Type of Accident (Fall, Caught between, etc.)			40. Resulting Injury (Cut, Bruise, Fracture, Burn, etc.)		
41. Part of Body Injured			42. Equipment Involved in Accident		
43. Specific Object, Part of the Equipment in Block 42., or Substance (Chemical, Solvent, etc.) that directly produced the Injury.					

SECTION IV. DESCRIPTION OF CASUALTY

44. Describe how accident occurred, damage, information on alcohol/drug involvement and recommendations for corrective safety measures. (See instructions and attach additional sheets if necessary).

45. Witness (Name, Address, Telephone No.)
46. Witness (Name Address, Telephone No.)

SECTION V. PERSON MAKING THIS REPORT

47. Name (PRINT) (Last, First, Middle)		47b. Address (City, State, Zip Code)		47c. Title	
47a. Signature				47d. Telephone No. ()	
				47e. Date	

FOR COAST GUARD USE ONLY			REPORTING OFFICE:		
APPARENT CAUSE					
CASUALTY CODE A B C	INVESTIGATOR (Name)	DATE	APPROVED BY (Name)	DATE	

INSTRUCTIONS

FOR COMPLETION OF FORM CG-2692

REPORT OF MARINE ACCIDENT, INJURY OR DEATH

AND FORM CG-2692A, BARGE ADDENDUM

WHEN TO USE THIS FORM

1. This form satisfies the requirements for written reports of accidents found in the Code of Federal Regulations for vessels, Outer Continental Shelf (OCS) facilities, mobile offshore drilling units (MODUs) and diving. The kinds of accidents that must be reported are described in the following instructions.

VESSELS

2. A vessel accident must be reported if it occurs upon the navigable waters of the U.S. its territories or possessions; or whenever an accident involves a U.S. vessel; wherever the accident may occur. (Public vessels and recreational vessels are excepted from these reporting requirements.) The accident must also involve one of the following (ref. 46 CFR 4.05-1):

A. All accidental groundings and any intentional grounding which also meets any of the other reporting criteria or creates a hazard to navigation, the environment, or the safety of the vessel;

B. Loss of main propulsion or primary steering, or an associated component or control system, the loss of which causes a reduction of the maneuvering capabilities of the vessel. Loss means that systems, component parts, subsystems, or control systems do not perform the specified or required function;

C. An occurrence materially and adversely affecting the vessel's seaworthiness or fitness for service or route including but not limited to fire, flooding, failure or damage to fixed fire extinguishing systems, lifesaving equipment or bilge pumping systems;

D. Loss of life:

E. An Injury that requires professional medical treatment (beyond first aid) and, if a crewmember on a commercial vessel, that renders the individual unfit to perform routine duties.

F. An occurrence not meeting any of the above criteria but resulting in damage to property in excess of \$25,000. Damage cost includes the cost of labor and material to restore the property to the condition which existed prior to the casualty, but it does not include the cost of salvage, cleaning, gas freeing, drydocking or demurrage.

MOBILE OFFSHORE DRILLING UNITS

3. MODUs are vessels and are required to report an accident that results in any of the events listed by Instruction 2-A through 2-F for vessels. (Ref. 46 CFR 4.05-1, 46 CFR 109.411)

OCS FACILITIES

4. All OCS facilities (except mobile offshore drilling units) engaged in mineral exploration, development or production activities on the Outer Continental Shelf of the U. S. are required by 33 CFR 146.30 to report accidents resulting in:

A. Death;

B. Injury to 5 or more persons in a single incident;

C. Injury causing any person to be incapacitated for more than 72 hours.

D. Damage affecting the usefulness of primary lifesaving or firefighting equipment;

E. Damage to the facility in excess of \$25,000 resulting from a collision by a vessel;

F. Damage to a floating OCS facility in excess of \$25,000.

5. Foreign vessels engaged in mineral exploration, development or production on the U. S. Outer Continental Shelf, other than vessels already required to report by Instructions 2 and 3 above, are required by 33 CFR 146.303 to report casualties that result in any of the following:

A. Death;

B. Injury to 5 or more persons in a single incident;

C. Injury causing any person to be incapacitated for more than 72 hours.

DIVING

6. Diving casualties include injury or death that occurs while using underwater breathing apparatus while diving from a vessel or OCS facility.

A. **COMMERCIAL DIVING.** A dive is considered commercial if it is for commercial purposes from a vessel required to have a Coast Guard certificate of inspection, from an OCS facility or in its related safety zone or in a related activity, at a deepwater port or in its safety zone. Casualties that occur during commercial dives are covered by 46 CFR 197.486 if they result in:

1. Loss of life;

2. Injury causing incapacitation over 72 hours;

3. Injury requiring hospitalization over 24 hours.

In addition to the information requested on this form, also provide the name of the diving supervisor and, if applicable, a detailed report on gas embolism or decompression sickness as required by 46 CFR 197.410(a)(9).

Exempt from the commercial category are dives for:

1. Marine science research by educational institutions;
2. Research in diving equipment and technology;
3. Search and Rescue controlled by a government agency.

B. ALL OTHER DIVING. Diving accidents not covered by Instruction (6-A) but involving vessels subject to Instruction (2), VESSELS, must be reported if they result in death or injury causing incapacitation over 72 hours. (Ref. 46 CFR 4.03-I(c)).

HAZARDOUS MATERIALS

7. When an accident involves hazardous materials, public and environmental health and safety require immediate action. As soon as any person in charge of a vessel or facility has knowledge of a release or discharge of oil or a hazardous substance, that person is required to immediately notify the U. S. Department of Transportation's National Response Center (telephone toll-free 800-424-8802 - in the Washington, D.C. , area call 202-426-2675). Anyone else knowing of a pollution incident is encouraged to use the toll-free telephone number to report it. If etiologic (disease causing) agents are involved, call the U.S. Public Health Service's Center for Disease Control in Atlanta, Ga. (telephone 404-633-5313). (Ref. 42 USC 9603; 33 CFR 153; 49 CFR 171.15)

COMPLETION OF THIS FORM

8. This form should be filled out as completely and accurately as possible. Please type or print clearly. Fill in all blanks that apply to the kind of accident that has occurred. If a question is not applicable, the abbreviation "NA" should be entered in that space. If an answer is unknown and cannot be obtained, the abbreviation "UNK" should be entered in that space. If "NONE" is the correct response, then enter it in that space.

9. When this form has been completed, deliver or mail it as soon as possible to the Coast Guard Marine Safety or Marine Inspection Office nearest to the location of the casualty or, if at sea, nearest to the port of first arrival.

10. Amplifying information for completing the form:

A. Block 16 - " LOCATION" - Latitude and longitude to the nearest tenth of a minute should always be entered except in those rivers and waterways where a mile marker system is commonly used. In these cases, the mile number to the nearest tenth of a mile should be entered. If the latitude and longitude, or mile number, are unknown, reference to a known landmark or object (buoy, light, etc.) with distance and bearing to the object is permissible. Always identify the body of water or waterway referred to.

B. Tug or towboat with tow - Tugs or towboats with tows under their control should complete all applicable portions of the CG-2692. SECTION II should be completed if a barge causes or sustains damage or meets any other reporting criteria. If additional barges require reporting, the "Barge Addendum," CG-2692A, may be used to provide the information for the additional barges.

C. Moored/Anchored Barge - If a barge suffers a casualty while moored or anchored, or breaks away from its moorage, and causes or sustains reportable damages or meets any other reporting criteria, enter the location of its moorage in Block (1) of the CG-2692 and complete the form except for Blocks (2) through (13). The details will be entered in SECTION II for one barge and on the "Barge Addendum" CG-2962A, for additional barges.

D. SECTION III - Personnel Accident Information - SECTION III must be completed for a death or injury. In addition, applicable portions of SECTIONS I, II and IV must be completed. If more than one death or injury occurs in a single incident, complete one CG-2692 for one of the persons injured or killed, and attach additional CG-2692's, piling out Blocks (1) and (2) and SECTION III for each additional person.

E. BLOCK 44 - Describe the sequence of events which led up to this casualty. Include your opinion of the primary cause and any contributing causes of the casualty. Briefly describe damage to your vessel, its cargo, and other vessels/property. Include any recommendations you may have for preventing similar casualties. *ALCOHOL AND DRUG INFORMATION.* Provide the following information with regard to each person determined to be directly involved in the casualty: name, position aboard the vessel, whether or not the person was under the influence of alcohol or drugs at the time of the casualty, and the method used to make this determination. If toxicological testing is conducted the results should be included; if results are not available in a timely manner, provide the results of the toxicological test as soon as practical and indicate that this is the case in block 44 of the casualty form.

NOTICE: The information collected on this form is routinely available for public inspection. It is needed by the Coast Guard to carry out its responsibility to investigate marine casualties, to identify hazardous conditions or situations and to conduct statistical analysis. The information is used to determine whether new or revised safety initiatives are necessary for the protection of life or property in the marine environment.

DEPARTMENT OF TRANSPORTATION U.S. COAST GUARD CG-2692B(1-91)	REPORT OF REQUIRED CHEMICAL DRUG AND ALCOHOL TESTING FOLLOWING A SERIOUS MARINE INCIDENT <i>(See Instructions on reverse)</i>	APPROVED OMB NO. 2115-0003 (Expiration 6-93), 5 Burden Hrs. ELECTRONIC TEST VERSION USCG CASE NUMBER
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SECTION I—VESSEL INFORMATION

1. Name of vessel	2. Official Number	3. Call Sign	4. Nationality
5. Vessel Type (<i>Freight, Towing, Fishing, MODU, etc.</i>)	6. Length	7. Gross Tons	8. Year Built
9. Operating Company Name: Address: Telephone Number:		10. Master or Person in Charge Name: Address: Telephone Number:	

SECTION II—INCIDENT INFORMATION

11. Type of Serious Marine Incident (*Check Appropriate Box(es). (See Instructions on Reverse)*)

<input type="checkbox"/> a. Death (<i>Append to Form CG-2692</i>)	<input type="checkbox"/> e. Loss of uninspected, self-propelled vessel of over 100 gross tons (<i>Append to Form CG-2692</i>)
<input type="checkbox"/> b. Injury requiring medical treatment (<i>Append to Form CG-2692</i>)	<input type="checkbox"/> f. Discharge of oil of 10,000 gallons or more into U.S. waters
<input type="checkbox"/> c. Property damage in excess of \$100,000 (<i>Append to Form CG-2692</i>)	<input type="checkbox"/> g. Discharge of a reportable quantity of hazardous substance into U.S. waters
<input type="checkbox"/> d. Loss of inspected vessel (<i>Append to Form CG-2692</i>)	<input type="checkbox"/> h. Release of a reportable quantity of hazardous substance into U.S. environment

12. Date of Incident 13. Time (*local*) of Incident 14. Location of Incident (*Latitude and Longitude or River and Milepost*)

SECTION III—PERSONNEL / TESTING INFORMATION

15. Personnel Directly Involved In Serious Marine Incident			16. Drug and Alcohol Testing (<i>See Instructions on reverse</i>)						
15a. Name (<i>Last, First, Middle Initial</i>)	15b. Licensing/Certification (<i>Check Appropriate Box(es)</i>)			16a. Drug Test Urine Specimen Provided?		16b. Alcohol Test Blood Specimen Provided?		16c. Alcohol Test Breath Specimen Provided?	
	USCG License	USCG MMD	NEITHER	YES	NO	YES	NO	YES	NO
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Laboratory Conducting Chemical Drug Tests Name: Address: Telephone Number:					18. Laboratory Conducting Blood Alcohol Test(s) or Individual Conducting Breath Test(s) Name: Address: Telephone Number:				

19. Person Making This Report (<i>Please Print</i>) Name: Address: Telephone Number:	20. Signature Title:	21. Date
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22. Remarks (*See Instructions on Reverse*)

INSTRUCTIONS FOR COMPLETION OF FORM CG-2692B

REPORT OF REQUIRED CHEMICAL DRUG AND ALCOHOL TESTING FOLLOWING A SERIOUS MARINE INCIDENT

NOTE: When this form is being submitted along with a REPORT OF MARINE ACCIDENT, INJURY OR DEATH (Form CG-2692), Blocks 3-10 and Blocks 12-14 on Form CG-2692B need not be completed.

WHEN TO USE THIS FORM

1. This form satisfies the requirements in the Code of Federal Regulations for written reports of chemical drug and alcohol testing of individuals directly involved in serious marine incidents. Public vessels and recreational vessels are excepted from these reporting requirements.

SERIOUS MARINE INCIDENTS

2. The term "serious marine incident" includes the following events involving a vessel in commercial service:

A. Any marine casualty or accident that occurs upon the navigable waters of the U.S., its territories or possessions, or that involves a U.S. vessel anywhere, and that results in any of the following:

1. One or more deaths;
2. Any injury to a crewmember, passenger, or other person which requires professional medical treatment beyond first aid;
3. Damage to property, as defined in 46 CFR 4.05-1(f), in excess of \$100,000;
4. Actual or constructive total loss of any vessel subject to inspection under 46 U.S.C. 3301; or
5. Actual or constructive total loss of any self-propelled vessel, not subject to inspection under 46 U.S.C. 3301, of 100 gross tons or more.

B. A discharge of oil of 10,000 gallons or more into the navigable waters of the United States, as defined in 33 U.S.C. 1321, whether or not resulting from a marine casualty.

C. A discharge of a reportable quantity of a hazardous substance into the navigable waters of the United States, whether or not resulting from a marine casualty.

D. A release of a reportable quantity of a hazardous substance into the environment of the United States, whether or not resulting from a marine casualty.

INDIVIDUAL DIRECTLY INVOLVED IN A SERIOUS MARINE INCIDENT

3. Term "individual directly involved in a serious marine incident" is an individual whose order, action or failure to act is determined to be, or cannot be ruled out as, a causative factor in the events leading to or causing a serious marine incident.

COMPLETION OF THIS FORM

4. This form should be filled out as completely and accurately as possible. Please type or print clearly. Fill in all blanks that apply to the kind of incident that has occurred. If a question is not applicable, the abbreviation "NA" should be entered in that space. If an answer is unknown and cannot be obtained, the abbreviation "UNK" should be entered in that space. If "NONE" is the correct response, then enter it in that space.

5. When this form has been completed, deliver or mail it as soon as practicable to the Coast Guard Marine Safety or Marine Inspection Office nearest to the location of the incident or, if at sea, nearest to the port of first arrival.

6. Upon receipt of a report of chemical test results, the marine employer shall submit a copy of the test results for each person listed in block 15(a) of this form to the Coast Guard Officer in Charge, Marine Inspection whom the CG-2692B was submitted. (Ref. 46 CFR 4.06-60(d)).

7. Amplifying information for completing the form:

A. Block 11—"TYPE OF SERIOUS MARINE INCIDENT" Check each appropriate box. If box a, b, c, d, or e is checked, append this form to the required form CG-2692, "REPORT OF MARINE ACCIDENT, INJURY OR DEATH", and submit both forms as indicated in 5. above.

B. Block 16c—"ALCOHOL TEST BREATH SPECIMEN PROVIDED?" When breath test results are available alcohol concentration shall be expressed numerically in percent by weight (i.e., .04, .10 etc...).

C. Block 22—"REMARKS" Describe the duties of each individual listed in 15a, at the time of incident (i.e., master, pilot, chief engineer...). If an individual refuses to provide the required specimens, or if specimens are not obtained for any reason, describe the circumstances completely.

NOTICE: The information collected on this form is routinely available for public inspection. It is needed by the Coast Guard to carry out its responsibility to investigate marine casualties, to identify hazardous conditions or situations and to conduct statistical analysis. The information is used to determine whether new or revised safety initiatives are necessary for the protection of life or property in the marine environment.

22. REMARKS (Continued)

WASTE MANAGEMENT PLAN

Vessel Name

1. This plan describes policy and procedures for handling this vessel's garbage according to MARPOL Annex V and 33 CFR Subparts 151.51 through 151.77. As Captain, I am responsible for carrying out this plan. All crewmembers and embarked persons shall follow the instructions in this plan. **It is the general policy of this vessel that all food waste and garbage will be retained on board for proper disposal ashore.**

2. Waste for this vessel is collected _____ (where) and stored _____ (location). When moored, all waste will be carried from the vessel and disposed of _____ (location of dumpster, etc.). **Plastics and waste containing plastic materials will never be discharged into the water from this vessel regardless of location.**

3. When sailing on inland waters or at sea within 12 nautical miles of land, no food, garbage or waste of any type will be discharged. When on an extended voyage, beyond 12 nautical miles from land, certain non-plastic and non-floating waste may be discharged if storage space is not available. In this case, all plastics (including foamed plastic) are to be segregated from other wastes and stored on board for proper disposal ashore. Only those materials permitted for discharge according to the MARPOL Annex V placard may be discharged in the water. **In no case will waste of any kind be discharged into the water without my prior inspection and explicit permission.**

4. If you have any questions about this plan, waste handling procedures or materials that may be discharged, please consult me.

Captain

Date