

Marine Safety Newsletter

US Coast Guard Marine Safety and Environmental Protection Directorate

Immersion Suits Save Lives

The Coast Guard credits immersion suits, once termed "survival suits," as one of the key factors behind a dramatic drop in deaths in the fishing fleet.

Though they are cumbersome, awkward, and at times difficult to put on, immersion suits can save one's life. The suits keep men/women who are thrown overboard, from drowning and/or freezing to death in cold water, while waiting to be rescued.

The bulky suits are made to step into while wearing boots and clothes and most are one-size-fits-all. The suits contain air bladders which make them buoyant, and men/women overboard are advised to float on their backs until help arrives.

Immersion suits are especially important when a vessel sinks quickly. In fact, some boats can sink in less than a minute and when this happens, there is usually not enough time to get a life raft into the water; therefore, wearing an immersion suit can save a life.

Since the early 1990s, vessels in cold water have been required by the Coast Guard to be equipped with immersion suits. In September of 1991, the Coast Guard also required that all suits be marked with 31 square inches of retro-reflective material. The reflective material allows for good visibility of the suit in all directions whether it is being searched from the air or from a boat.

While all Coast Guard approved suits come with the correct amount of reflective material already on them, those not approved do not. Immersion suits without Coast Guard approval and without the proper reflective material should



Inside:

- 2 Bill Targets Boating Safety and Education
- 3 Date Set for Phaseout of 121.5 EPIRB
- 3 Lightning Along the Gulf Affects Travel
- 4 Personal Watercrafts Lack Safety Laws
- 4 MSC Plan Review Guidance Available on the Internet
- 4 What's New on the World Wide Web
- 5 IMO Corner
- 6 Prevention Through People
- 7 G-M Studies
- 8 G-M Regulatory Projects
- 15 Calendar of Events

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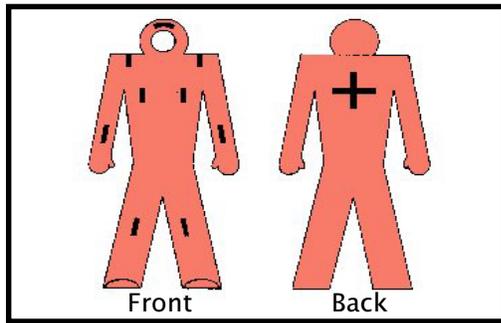
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be fitted with patches of reflective tape. For immersion suits that do not automatically turn the wearer face up, the back of the suit should also be fitted with reflective tape. The following drawing illustrates the proper placement of reflective tape.



Retro-reflective tape applied by the manufacturer on approved immersion suits has been reviewed and approved by the Coast Guard and should not be changed, even if the arrangement does not appear to be exactly the same as the above illustration.

Suits must also be equipped with a Coast Guard approved light that should be attached to the shoulder area, and the suits should be marked in block capital letters with:

- (a) the vessel name
- (b) the name of owner of the suit
- or
- (c) the name of the person to whom the suit is assigned.

Check with the manufacturer to find out what type of paint or magic marker should be used to write on the suit.

Getting into an immersion suit can be awkward and exhausting. The Coast Guard encourages people to practice putting on a suit in one minute or less.

Also, suits that are not maintained properly may suffer from dry rot, leaky seams and zippers that do not work.

Proper care and maintenance of immersion suits will extend their working life and possibly your own. Routine suit inspections should include the following:

- Inspect suit for holes, tears, or signs of wear. Suits used in salt water or in pools should be rinsed thoroughly inside and out with fresh water. After rinsing suit, turn it inside out to dry, but do not dry suit in direct sunlight.

- Grease and oil should be removed from suits with mild soap and water. Do not use solvents to clean the suits.
- Do not dry clean the suits.
- Make sure all zippers operate smoothly. Lubricate zippers from time to time with a non-petroleum-based product or substance recommended by the manufacturer.
- At least once a year the air bladder and inflation hoses should be inspected and/or replaced.
- Only the manufacturer and/or a technician experienced in repair of wet suits should make repairs to the suit.
- Do not alter the suit in any manner.
- Store the suit in an accessible and dry place.
- After 10 years, replace the suit.

If you have questions about the care of your suit or regulatory requirements, contact the manufacturer or U.S. Coast Guard.

Bill Targets Boating Safety and Education

Alaska's House Finance Committee approved a bill on February 7 that establishes a boating safety law and program.

The bill will require all vessels, with or without a motor, to be registered for \$10 every three years. It will also allow Alaska to tap into moneys collected through their gasoline tax. Seventy-five percent the moneys collected, will be used to fund a boating safety and education programs for recreational boaters and paddlers.

The bill will require identification on all boats that are 10 feet or longer, with or without a motor. Legislators in favor of the bill believe that having numbers and/or decals on all boats 10 feet or longer, will speed up search and rescue efforts, thus saving more lives.

Boating fatalities in Alaska are approximately 64.5 for every 100,000 boats, and last year, 17 of the 29 boating deaths occurred on vessels shorter than 20 feet.

Currently, Alaska has the nation's highest waterway fatality rate, yet it does not have a safe-boating law. Alaskan lawmakers have tried to pass similar legislation within the state since 1969, but have failed.





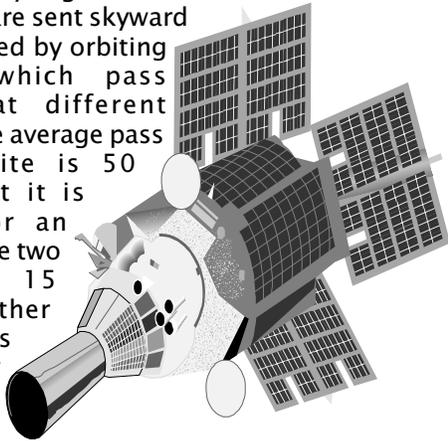
Date Set for Phaseout of 121.5 EPIRB

Beacons emitting a 121.5 and 243 MHz signal will be phased out between February 1, 2008-2010, according to a policy adopted by the United States.

The 121.5 and the 243 MHz beacons are responsible for 100,000 false alarms each year and often hamper search and rescue efforts. In fact, fewer than 3 in 1000 alerts from the 121.5 MHz are actual distress.

Following the phase out, signals will be monitored from the more accurate 406 MHz Emergency Position Indicator Radio Beacons, commonly called 406 EPIRBs. All 406s are equipped with 121.5 and 243 MHz homing devices so that boaters still using such beacons after the phase out period will still be received by satellite.

Emergency signals from the 121.5 MHzs are sent skyward and are relayed by orbiting satellites which pass overhead at different intervals. The average pass of a satellite is 50 minutes but it is possible for an area to receive two passes in 15 minutes. Other times, pass intervals may be as long as three hours.



The 406 EPIRB's signal is captured by the satellite on the first pass, rather than being bounced back like the 121.5.

The average response time to a 121.5 is six hours, whereas a 406 signal can be pinpointed on the first pass.

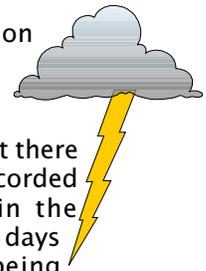
The 406s are also encrypted with pertinent data that identifies the owner of the EPIRB, his/her name, address, telephone number, boat description, and emergency contact numbers. This rapidly increases the search and rescue process and decreases the chance of false alarm. Coast Guard officials can use the satellite data to find out if the ships are in fact at sea, sitting at bay, or tied to a dock.

Comparison Table:
406 MHz vs. 121.5 MHz

	406 MHz	121.5 MHz
Coverage	Global	One-third of the world
Reliability	All alerts come from beacons 1 in 10 alerts are actual distress First Alert confidence sufficient to warrant launch	Only 1 in 5 alerts come from beacons Fewer than 3 in 1000 alerts are actual distress High False Alarm rate makes first-alert launch unfeasible
Alerting	Vessel/aircraft ID, point of contact information provided Near instantaneous detection	Alerts are anonymous No capability
Position	1-3 nm (2-5 km) accuracy	12-16 nm (15-20 km) accuracy
Locating Target	GPS-equipped beacons reduce search area to negligible area	No GPS capability
Power output	5.0 Watts	0.1 Watt

Lightning Along the Gulf Affects Travel

Both water and air transportation in the Gulf are going to be impacted because of the recent increase in lightning strikes.



Researchers have found that there were 33 days with lightning recorded during the 1997-98 winter in the northern Gulf, compared with 15 days in other winters. El Nino is being blamed for the increase of lightning strikes.

During December of 1997 through February 1998, the strikes of lightning increased sharply along the Gulf Coast. In fact, the amount of wintertime lightning along the Gulf Coast during that time was comparable to summers in such places as the Amazon basin and central Africa, the world's most active thunderstorm hotspots.

During those 33 days of lightning strikes, a network of ground sensors and satellites counted 138 hours of lightning, compared with an average 50 hours during other winters in the same area.

Many airline routes that cross the northern Gulf may have to fly further inland for a few months, thus affecting the rates at which planes and helicopters can carry equipment and supplies to oil wells and ships at sea.



Personal Watercrafts Lack Safety Laws

Though personal watercrafts (PWCs) make up only 12 percent of the boats on the water, they account for 40 percent of boating accidents.

The Coast Guard tallied 1,743 injuries for 1998, ranging from bruises to spinal and head injuries, to loss of limbs. Of the total, 151 of the accidents involved children under the age of 16.



Currently, PWCs do not have to meet the same safety standards that other boats under 20 feet in length have to comply to. And many PWC operators involved in accidents have limited experience and are under the age of 16, thus posing a potential danger to all other boaters on the water.

According to a 1997 Coast Guard report, five states have no age minimums for riding a PWC. The remaining 45 states have a minimum age range between 10 to 14 years old, thus allowing children who cannot drive a car to operate a PWC that travels in excess of 60 mph on the water.

However, it is getting harder for those under 16 to own and operate a PWC because of new legislation being proposed by the Personal Watercraft Industry Association.

The association has developed model state legislation on not only the uses of PWCs but also a minimum age requirement. The new legislation would set 16 as the minimum age for a user of a privately owned PWC or any other motorboat that has an engine of 10 horsepower or greater. The legal age for rental of a PWC would be set at 18.

The age of 16 coincides with the minimum driving age in most states and the age of 18 for renters enables the renters to legally sign contracts accepting responsibility for the PWC and their use and conduct while riding.

MSC Plan Review Guidance Available on the Internet

One of the strategic goals of the Marine Safety Center (MSC) is to provide guidance and assistance to the marine industry for the preparation of drawings and information that the MSC reviews to verify compliance with the Coast Guard's safety and pollution prevention standards. The MSC has recently made available plan review guidance documents on the Internet. To date, the MSC has posted guidance documents for 69 of 122 topics. The currently posted documents include, but are not limited to: computerized trim and stability books, deck barge stability, bilge and ballast systems, and emergency evacuation plans.

To view the guidance, please refer to the Internet site:

www.uscg.mil/hq/msc/PRGuidance.htm.

The MSC welcomes the review and use of these guidance documents and specifically requests any comments and/or suggestions to improve and make them more useful.

WWW.



What's New on the World Wide Web

www.uscg.mil/hq/g-m/gmhome.htm

Oversight Guidance

www.uscg.mil/hq/g-m/marpers/oversight.pdf

Provides information pertaining to existing policy and defines the standards and reporting requirements for conducting oversight of Coast Guard approved courses and non-governmental parties that perform services related to the issuance of merchant marine licenses, certificates of registry, and merchant mariner's documents.

Approved Courses

www.uscg.mil/hq/g-m/marpers/examques/achome.htm

Courses approved by the USCG are listed alphabetically by school and by course.

2000 USCG Marine Safety and Environmental Protection Telephone Listing

www.uscg.mil/hq/g-m/nmc/gendoc/phone.htm



International Maritime Organization Subcommittee on Standards of Training and Watchkeeping

The International Maritime Organization held the 31st session of the Standards of Training and Watchkeeping (STW) Subcommittee at its London headquarters from January 10-14, 2000. The chairman for this session was Mr. Christopher Young of the United States.

Sixty-seven member governments, 1 associate member government, and 22 United Nations intergovernmental and non-governmental organizations attended the session.

The Subcommittee's major accomplishments were:

- Development of draft guidance on assessment of minimum entry level and in-service physical abilities for seafarers. The guidance will be submitted to the 72nd session of the Maritime Safety Committee (MSC72) for adoption as an amendment to Part B of the International Convention on Standards of Training, Certification and Watchkeeping Code (STCW).
- Development of draft guidance on arrangements between parties for flag state recognition of foreign certificates of competence. A draft MSC circular was adopted on the elements to be included when two parties to the STCW Convention enter into an arrangement for recognition of certificates issued by one party for service on ships flying the flag of the other party. The draft circular has been forwarded to MSC 72 for adoption.

- Validation of six IMO model courses. The validated courses consist of three revised model courses (including Maritime English; Personal Safety and Social Responsibility; and Examination, Assessment and Certification of Seafarers) and three new model courses (including Crowd Management; Crisis Management; and Fast Rescue Boats). The Secretariat was invited to publish the model courses as soon as practicable.

Other issues discussed but unresolved during the session were:

- Training of pilots
- Casualty Analysis
- ECDIS Training
- Fishing Vessel Safety
- Unlawful certificates
- Training in Ballast Water Management

The next session of the STW Subcommittee is tentatively scheduled for January 22-26, 2001. Mr. Young was unanimously elected to be the Subcommittee chairman again.

In addition to a follow-up on recognition of certificates and on procedures associated with IMO review of reports of independent evaluations, major issues are expected to include:

- Training and Qualification of Pilots, taking into account the outcome of the 46th session of the Subcommittee on Safety of Navigation, which will consider operational matters relating to pilots
- Development of additional guidance on implementation of the STCW Convention
- Review of the process used for validation of IMO model courses.

UPCOMING IMO MEETINGS

March 27-31

Legal Committee—81st session

April 10-14

Subcommittee on Ship Design and Equipment—43rd session

May 17-26

Maritime Safety Committee—72nd session

The International Maritime Organization Corner better informs the maritime community about the vital work conducted through this international organization. The IMO Corner will present highlights of recently completed meetings, a calendar of IMO meetings, as well as a listing of supporting U.S. SOLAS Working Group meetings.



Workshopping Success

Having a great idea is one thing. Being able to spread that idea so that others can benefit from it is another. Often times, great ideas disappear before anyone can take advantage of them because they are not introduced properly. All the hard work people have put into the creation of great ideas, whether it be a project, a new way of thinking, or a creative solution, can quickly fade into oblivion. So how does someone introduce a great idea and help others understand and implement it? Marketing is the key to success.

Workshops are one great way of bringing a group of people together to discuss ideas. In a workshop, everyone's opinion is appreciated. The main speakers, or those who called the meeting, can explain their ideas to a large group of people in an informal setting. In turn, the audience members are invited to add their input, explaining their points of view, asking questions, and even debating points of contention. The purpose of a workshop is to learn from the other people attending and to apply that knowledge toward a common goal, often the subject at hand.



Risk Assessment Workshop

One recent example of a successful workshop was the Risk Assessment Workshop held in conjunction with the annual Passenger Vessel Association (PVA) MariTrends Convention (February 5–8, 2000). This two-day workshop, sponsored by the Coast Guard and PVA in partnership, focused on implementation of the *PVA Risk Guide*.

PVA Risk Guide

The *PVA Risk Guide* was created through the Coast Guard/PVA Partnership last year. It outlines an easy-to-use 10-step process to identify hazards, assess risk, develop countermeasures and evaluate benefits and costs. One of the most successful marketing tools for this *Guide* has been workshops, where representatives from the Partnership (from both the Coast Guard and PVA) can step the audience through the risk assessment process.

Discussion

At the Risk Assessment workshop the audience was treated to an additional benefit—a local riverboat company volunteered one of their actual problems with passenger movement as the application example. Using this example and the 10-step process, the two facilitators led a discussion on how to improve safety by addressing risk.

Value

The value of the workshop was immediately evident. Surveys taken after the workshop indicated that the majority of the audience felt that they understood the *Guide* and felt comfortable performing risk assessments with their own company using the *Guide*.

People applauded the encouragement and use of audience participation, and noted the value of interesting points brought up by various audience members.

Conclusion

Overall, the workshop was a great success because the people there were able to share information and learn about the product being discussed—what it was, how it provided value, and how it was to be used. This workshop showcases

PRINCIPLES

- Take a Quality Approach
- Honor the Mariner
- Seek Non-Regulatory Solutions
- Share Commitment
- Manage Risk

VISION

To achieve the world's safest, most environmentally sound and cost-effective marine operations by emphasizing the role of people in preventing casualties and pollution.

GOALS

- Know More
- Train More
- Do More
- Offer More
- Cooperate More

Contact us directly with your PTP story:

Commandant (G-MSE-1), U.S. Coast Guard Headquarters, 2100 Second Street, SW, Washington, DC 20593-0001; (202) 267-2997; (202) 267-4816 Fax; e-mail: fldr-he@comdt.uscg.mil



G-M Studies

The following is a list of G-M studies and reports under development, including their status and contact person. The *Marine Safety Newsletter* will update this listing as new information is received. Small business interests needing assistance in understanding the information may telephone the contacts identified for the study or report.

Research in Tanker Groundings

This non-mandated study is being conducted by the Coast Guard to study the structural behavior of tankers during groundings.

STATUS: Research is being conducted at MIT. The first phase of the study is complete, and the second phase is underway. Availability of the study report will be announced through the *Marine Safety Newsletter*.

CONTACT: Mr. Jaideep Sirkar, Tel.: (202) 267-6925, Fax: (202) 267-4816, e-mail: jsirkar@comdt.uscg.mil

Shipboard Fatigue Countermeasures Analysis

This project is designed to tie the previous fatigue projects together. Project deliverables include lists of fatigue reducing countermeasures prioritized by effectiveness to ease implementation.

Status: This project will start in 2000, and will conclude at the end of 2001.

Contact: Dr. Carlos Comperatore, Tel.: (860) 441-2751, Fax: (860) 441-2792, e-mail: ccomperatore@rdc.uscg.mil

Watchkeeping Alertness in Towing Operations

Conducted by Battelle Seattle Research Center under contract to R&DC. Objectives for this include understanding factors which affect alertness in towing vessel crews. The research team has collected data on line boats and harbor tugs in the lower Mississippi and Ohio Rivers. Companies have participated in the study by offering their crews as test subjects on a voluntary basis. Voluntary participation has been outstanding, approaching 100 percent of solicited crewmembers.

STATUS: The analysis of data is nearly complete. The next phase of the project, development and testing of fatigue countermeasures, should be completed near the end of 2001.

CONTACT: Dr. Carlos Comperatore, Tel.: (860) 441-2751, Fax: (860) 441-2792, e-mail: ccomperatore@rdc.uscg.mil

Improving Crew Alertness on Commercial Vessels

This project will identify the incidence of fatigue in deep draft vessel crews and develop crew endurance plans to mitigate fatigue. Data has been collected from the crew of a tank vessel, and will be used to develop fatigue countermeasures. The deliverable for this project will be a Professional Mariner's Crew Endurance Handbook.

STATUS: Data has been collected, and analysis is in progress. The project is planned to conclude in early 2000 following development and testing of fatigue countermeasures.

CONTACT: Dr. Carlos Comperatore, Tel.: (860) 441-2751, Fax: (860) 441-2792, e-mail: ccomperatore@rdc.uscg.mil

G-M Regulatory Projects



The following is a list of select G-M regulatory projects including their status and point of contact information. For more information on these and other marine safety rulemaking projects, visit the G-M Regulations home page at www.uscg.mil/hq/g-m/regs/reghome.html.

If you are a small business interest needing assistance in understanding and complying with the regulatory requirements, please telephone the applicable contact listed below. The Small Business and Agriculture Regulatory Enforcement Ombudsman and ten Regional Fairness Boards were established to receive comments from small businesses about federal agency enforcement actions. The Ombudsman will annually evaluate the enforcement activities and rate each agency's responsiveness to small business. If you wish to comment on the enforcement actions of the Coast Guard, call (888) REG-FAIR (734-3247).

ANPRM-Advance Notice of Proposed Rulemaking • **NPRM**-Notice of Proposed Rulemaking • **IR**-Interim Rule • **DFR**-Direct Final Rule

CGD 89-050 Vessel Identification System

This rulemaking establishes a Vessel Identification System (VIS) and will prescribe the manner and form for participating States to make information available for VIS; establish guidelines for State vessel titling systems; and establish procedures for certifying compliance with those guidelines. On October 22, 1999, the Coast Guard published a final rule removing the current version of subpart D indefinitely (64 FR 56965).

STATUS: SNPRM published on February 16, 2000 (65 FR 7925).

CONTACT: ENS Christopher Williamee, Tel.: (202) 267-6989

USCG 1997-3198 Alternate Convention Tonnage

The Coast Guard is considering developing alternate tonnage thresholds for certain vessels based on the measurement system established under the International Convention on Tonnage Measurement of Ships, 1969. Existing tonnage thresholds in domestic laws and regulations are based on the U.S. regulatory measurement system. Establishing the international convention tonnage as an option for applying domestic regulations may result in the building of safer, more efficient vessels and may enable designers and operators of U.S. vessels to be more competitive in the international market. The Coast Guard asks for comments on related issues and questions.

STATUS: Notice and request for comments published on February 4, 1998 (63 FR 5767). Comment period closed October 15, 1998. Preparing proposed rule.

CONTACT: Mr. Peter Eareckson, Tel.: (202) 366-6502, Fax: (202) 366-7991, e-mail: peareckson@msc.uscg.mil

USCG 1998-3423 Implementation of the National Invasive Species Act of 1996 (NISA)

To comply with the National Invasive Species Act of 1996 (NISA), the Coast Guard establishes both regulations and voluntary guidelines to control the invasion of aquatic nuisance species (ANS). Ballast water from ships is one of the largest pathways for the intercontinental introduction and spread of ANS. This rule amends existing regulations for the Great Lakes ecosystem, establishes voluntary ballast water management guidelines for all other waters of the United States, and establishes mandatory reporting for nearly all vessels entering waters of the U. S.

STATUS: Interim rule with request for comments published on May 17, 1999 (64 FR 26672). Effective date is July 1, 1999. Comment period closed on July 16, 1999.

CONTACT: LT Pat McKeown, Tel.: (202) 267-0500, Fax: (202) 267-4690, e-mail: mmckeown@comdt.uscg.mil

USCG 1998-3472 Rules of Practice, Procedure, and Evidence for Administrative Proceedings of the Coast Guard

The Coast Guard is revising the rules for Practice, Procedure, and Evidence for Administrative Proceedings. The revision consolidates all Coast Guard adjudicative procedures for the suspension and revocation (S&R) of merchant Mariners' licenses, certificates of registry, and documents and for class II civil penalties. The rule will eliminate unnecessary procedures from S&R proceedings and will use Coast Guard's adjudicative resources more efficiently.

STATUS: Interim rule and request for comments published on May 24, 1999 (64 FR 28054). Notice to reopen the comment period published on October 5, 1999 (64 FR 53970). Comment period closes on April 3, 2000.

CONTACT: George J. Jordan, Tel.: (202) 267-0006, Fax: (202) 267-4753, e-mail: gjordan@comdt.uscg.mil



G-M Regulatory Projects

USCG 1998-3786 Commercial Diving Operations

The Coast Guard requested comments on the type and scope of needed revisions to the commercial diving operations regulations. The regulations are over 20 years old and do not include current safety and technology standards and industry practices. At this early stage of the rulemaking process we need information on current safety practices, diving technology, and industry standards to help us identify the scope of any necessary regulatory revisions.

STATUS: ANPRM published on June 26, 1998 (63 FR 34840). Comment period closed on November 9, 1998.

CONTACT: LT Diane Kalina, Tel.: (202) 267-1181, Fax: (202) 267-4570, e-mail: dkalina@comdt.uscg.mil

USCG 1998-3798 Numbering of Undocumented Barges

The Coast Guard is establishing a statutorily required numbering system for operating undocumented barges over 100 gross tons. The numbering of these barges would increase owner accountability and deter their abandonment, making fewer barges available for disposal of hazardous substances.

STATUS: ANPRM published on July 6, 1998 (63 FR 36384). Comment period closed on November 3, 1998.

CONTACT: Mr. Thomas Willis, Director, National Vessel Documentation Center, Tel.: (304) 271-2506, Fax: (304) 271-2405, e-mail: twillis@nfdc.uscg.mil, or LT Robyn Macgregor at Tel.: (202) 267-0483, e-mail: macgregor@comdt.uscg.mil

USCG 1998-3868 Outer Continental Shelf Activities

The Coast Guard proposes a major revision of its regulations on Outer Continental Shelf (OCS) Activities. A revision is needed to address new developments in the offshore industry, to fully address existing legislation, to effectively implement interagency agreements, to respond to comments received from the advanced notice of proposed rulemaking, and to address casualty investigation findings. The revised regulation will effectively implement existing legislation and interagency agreements. This rulemaking improves the level of safety in the workplace for personnel engaged in OCS activities.

STATUS: NPRM published on December 7, 1999 (64 FR 68416). Comment period closes on April 5, 2000. Correction published on February 22, 2000 (65 FR 8671) Notice drafted to extend the comment period to July 5, 2000.

CONTACT: Mr. James M. Magill, Tel.: (202) 267-1082, Fax: (202) 267-4570, e-mail: jmagill@comdt.uscg.mil

USCG 1998-4302 Handling of Class I (Explosive) Material or Other Dangerous Cargoes within or Contiguous to Waterfront Facilities

This rulemaking will revise the regulations covering waterfront facilities handling dangerous cargoes. Current regulations would be updated to reflect improved safety procedures and modern transportation methods, such as the use of containers. This proposed rule would also update the requirements for the handling of these dangerous cargoes and incorporate industry standards.

STATUS: NPRM published on October 29, 1998 (63 FR 57964). Comment period closed March 1, 1999. Final Rule being drafted.

CONTACT: LT Charles Srioudom, Tel.: (202) 493-1000, e-mail: csrioudom@comdt.uscg.mil

USCG 1998-4354 Tank Vessel Response Plans for Hazardous Substances

The Coast Guard proposes regulations that would require response plans for certain tank vessels operating on the navigable waters of the United States that could reasonably be expected to cause substantial or significant and substantial harm to the environment by discharging a hazardous substance. These regulations are mandated by the Oil Pollution Act of 1990 (OPA 90), which requires the President to issue regulations requiring the preparation of hazardous substance response plans. The primary purpose of requiring response plans is to minimize the impact of a discharge of hazardous substances into the navigable waters of the United States.

STATUS: NPRM published March 22, 1999 (64 FR 13734). Comment period closed on Aug. 30, 1999. Public meeting held Aug. 12 and 13 in Houston (64 FR 31994).

CONTACT: LT Michael Roldan, Tel.: (202) 267-0106, Fax: (202) 267-4570, e-mail: mroldan@comdt.uscg.mil

G-M Regulatory Projects



**USCG 1998-4399
Automatic
Identification
System Carriage
Requirement;
Vessel Traffic
Service Lower
Mississippi River**

The Coast Guard held a public meeting in New Orleans to solicit comments on the establishment of a new Vessel Traffic Service (VTS) in the Lower Mississippi River area and a potential Automatic Identification System (AIS) carriage requirement for certain vessels operating in the new VTS area. We are currently reviewing public input to help develop a proposed rule.

STATUS: NPRM being drafted.

CONTACT: Mr. Jorge Arroyo, Tel.: (202) 267-0407, Fax: (202) 267-4826, e-mail: jarroyo@comdt.uscg.mil

**USCG 1998-4441
Deepwater Ports**

The Coast Guard is revising its deepwater ports regulations to update the regulations with current technology and industry standards. It will also align them with certain regulations for other offshore facilities.

Status: ANPRM published on August 29, 1997 (62 FR 45774). Comment period closed on October 14, 1997. NPRM being drafted.

Contact: LT Diane Kalina, Tel.: (202) 267-1181, Fax: (202) 267-4570, e-mail: dkalina@comdt.uscg.mil

**USCG 1998-4443
Emergency
Control Measures
for Tank Barges**

This interim rule implements measures for maintaining or regaining control of a tank barge that will reduce the likelihood of a tank barge's grounding and spilling its cargo. These measures are necessary because without them a tug that loses its tow lacks ready means for regaining control of it.

STATUS: Interim rule (IR) with request for comment published on December 30, 1998 (63 FR 71754). The IR is effective March 30, 1999 except for 33 CFR 155.230(b)(1) and 46 CFR 32.15-15(e), which are effective on December 11, 2000. Notice of meeting; reopening of comment period published on April 15, 1999 (64 FR 18576). Public meeting held in Washington, DC on May 12, 1999. Comment period closed on June 10, 1999. Final rule in clearance.

CONTACT: Mr. Robert Spears, Tel.: (202) 267-1099, Fax: (202) 267-4547, e-mail: rspears@comdt.uscg.mil; or Mr. Allen Penn, Tel.: (202) 267-2997, Fax: (202) 267-4816, e-mail: apenn@comdt.uscg.mil

**USCG 1998-4445
Fire Protection
Measures for
Towing Vessels**

With this Interim Rule, the Coast Guard plans to implement measures for the early detection and control of fires on towing vessels. It will require the lower cost, noncontroversial fire protection measures introduced in the Notice of Proposed Rulemaking entitled, Towing Vessel Safety (62 FR 52057), that was published on October 6, 1997. They include: general alarms; engine-room fire detection systems; internal communication systems; and remote fuel-shutoff valves. Furthermore, fire-fighting drills will need to be conducted and training requirements established for crews on towing vessels. These measures should decrease the number and severity of injuries to vessels' crews, prevent damage to vessels, structures and other property, and reduce the likelihood of a tank barge's drifting, grounding, and ultimately spilling its cargo. A separate supplemental notice of proposed rulemaking on Fire Suppression System and Other Measures for Towing Vessels (CGD 97-064) will contain the two issues not addressed in either of the IRs that came from the Towing Vessel Safety NPRM—fixed fire-suppression systems for towing vessels, and proper voyage planning for masters and operators of towing vessels.

STATUS: Fire Protection Measures IR published October 19, 1999 (64 FR 56257). Comment period closed December 20, 1999. Fire Suppression Systems and Other Measures SNPRM being drafted.

CONTACT: Randall Eberly, Tel.: (202) 267-1861, Fax: (202) 267-4547, e-mail: Reberly@comdt.uscg.mil



G-M Regulatory Projects

USCG 1998-4501 Improvements to Marine Safety in Puget Sound-Area Waters

The Coast Guard seeks public comment on potential rules that would improve marine safety in Puget Sound-area waters including Puget Sound, the Strait of Juan de Fuca, passages around and through the San Juan Islands, and the Olympic Coast National Marine Sanctuary. Based on a recent determination by the Secretary of Transportation regarding the status of marine safety in the Puget Sound-area, the Coast Guard has begun a comprehensive cost-benefit analysis to study the feasibility of implementing new safety measures, including extended tug escort requirements for certain vessels and a dedicated pre-positioned rescue vessel. Public input will help focus the cost-benefit analysis and help us develop any future proposed rules that may be necessary.

STATUS: ANPRM was published November 24, 1998 (63 FR 64937). Comment period closed on May 24, 1999.

USCG 1998-4623 Limited Service Domestic Load Lines for River Barges on Lake Michigan

This rulemaking incorporates into 46 CFR part 45 the present load line exemption routes that have been announced in Federal Register notices for unmanned dry cargo barges carrying nonhazardous cargoes on river barges operating on Lake Michigan between Chicago, IL and Milwaukee, WI; and Chicago and Muskegon, MI.

STATUS: The notices were published on September 21, 1992 (57 FR 43479), March 31, 1995 (60 FR 16693), September 28, 1995 (60 FR 50234), and August 26, 1996 (61 FR 43804). NPRM was published on November 2, 1998 (63 FR 58679). Comment period extended on December 28, 1998 (63 FR 71411). Comment period closed on March 4, 1999. Final rule being drafted.

CONTACT: Mr. Thomas Jordan, Project Manager, Tel.: (202) 267-0142, Fax: (202) 267-4816, e-mail: tjordan@comdt.uscg.mil

USCG 1998-4951 Cargo Securing Manuals for Vessels carrying Hazardous Materials when operating in U.S. Waters

This rulemaking will add regulations requiring cargo securing manuals for U.S. or foreign vessels of 500 gross tons or more when on international voyages, consistent with Chapter VI/5 and VII/6 of SOLAS, which became effective December 31, 1997. This rulemaking will also propose to amend the cargo stowage and securing management requirements consistent with the requirements Chapters VII/6 of SOLAS, for certificated U.S. ships and barges when operating in U.S. waters.

STATUS: Workplan in clearance.

CONTACT: Mr. Bob Gauvin, Tel.: (202) 267-1053, Fax: (202) 267-4570, e-mail: rgauvin@comdt.uscg.mil

USCG 1999-4976 Frequency of Inspection, Hull Examination Alternative

The Coast Guard proposes amending its vessel inspection regulations. These amendments would introduce a 5-year Certificate of Inspection cycle in accordance with the Coast Guard Authorization Act of 1996 to harmonize our inspections with most internationally required certificates. It will provide vessel owners and operators additional latitude in scheduling inspections. The proposed rule would also establish hull examination alternative for certain passenger vessels. These vessels must operate exclusively in fresh water, on restricted routes, and in benign environments. In addition, the proposed rule would provide the option of alternating drydock examinations with underwater surveys for passenger, nautical school, and sailing school vessels.

STATUS: NPRM published on November 15, 1999 (64 FR 62017). Comment period closed on December 30, 1999. Final Rule on Frequency of Inspection portion of rule published on February 9, 2000 (65 FR 6494).

CONTACT: LCDR D. Darcy, Tel.; (202) 267-6220 or 1220, Fax: (202) 267-4547, e-mail: ddarcy@comdt.uscg.mil

G-M Regulatory Projects



USCG 1999-5004 Alternate Compliance Program; Incorporations by Reference

This direct final rule (DFR) amends part 8 of Title 46, Code of Federal Regulations, to add recently approved incorporations by reference. Adding several recently approved sets of classification society rules and supplements through incorporation by reference is essential for the continued viability and validity of the Alternate Compliance Program (ACP) regulations. This rule also inserts the address and telephone numbers of the Coast Guard office identified in several parts as the source for additional information to facilitate our ACP. This rule makes no substantive changes to current regulations. It enables continuation of the ACP, which was developed to reduce redundant vessel inspections without jeopardizing safety. The final rule on the ACP was published in the Federal Register (62 FR 67526) on December 24, 1997.

STATUS: DFR was published on June 8, 1999 (64 FR 30437). Comment period open until August 9, 1999. Effective date is September 7, 1999.

CONTACT: Mr. Jaideep Sirkar, Tel.: (202) 267-6925, Fax: (202) 267-4816, e-mail: jsirkar@comdt.uscg.mil.

USCG 1999-5040 Safety of Uninspected Passenger Vessels under the Passenger Vessel Safety Act of 1993

The Coast Guard will propose regulations that implement safety measures for uninspected passenger vessels under the Passenger Vessel Safety Act of 1993 (PVSA). These regulations will implement the new class of uninspected passenger vessel of at least 100 gross tons, address the confusion regarding bareboat charters, provide for the issuance of special permits to certain uninspected passenger vessels, and develop specific manning, structural fire protection, operating, and equipment requirements for a limited fleet of PVSA exempted vessels. Regulations for events such as "OPSAIL 2000" being incorporated into rulemaking.

STATUS: ANPRM published on April 1, 1999 (64 FR 15709). Comment period closed on June 30, 1999. Proposed rule being drafted.

CONTACT: LCDR Mike Jendrossek, Tel.: (202) 267-0919, Fax: (202) 267-4570, e-mail: mjendrossek@comdt.uscg.mil.

USCG-1999-5117 Barges Carrying Bulk Liquid Hazardous Material Cargoes

The Coast Guard requests comments on the type and scope of any necessary revisions to the barges carrying bulk liquid hazardous material cargoes regulations. The regulations are almost 30 years old and do not include current safety information, technology, etc.

STATUS: ANPRM published on September 9, 1999 (64 FR 48976). Comment period open until March 7, 2000.

CONTACT: Mr. Thomas Felleisen, Tel.: (202) 267-0085, Fax: (202) 267-4570, e-mail: tfelleisen@comdt.uscg.mil.

USCG 1999-5151 Update of Standards from the American Society for Testing and Materials (ASTM)

The Coast Guard amends Titles 33 and 46, Code of Federal Regulations, to render current the standards incorporated by reference from the American Society for Testing and Materials (ASTM). Some of the standards incorporated were over 30 years out of date. This rule incorporates the most recent editions of the standards to ensure the use of the latest technology by regulated industry.

STATUS: DFR published on December 1, 1999 (64 FR 67170). Comment period closed on January 31, 2000. Effective date is February 29, 2000.

CONTACT: Ms. Janet Walton, Tel.: (202) 267-0257, Fax: (202) 267-4547, e-mail: jwalton@comdt.uscg.mil.



G-M Regulatory Projects

USCG 1999-5525 Mandatory Ship Reporting Systems

The Coast Guard is implementing two mandatory ship reporting systems in an effort to reduce the threat of ship strikes to endangered northern right whales (also known as the North Atlantic right whale). Based on a proposal by the United States, the International Maritime Organization adopted a resolution to establish these systems. The mandatory ship reporting systems are designed to inform mariners of the presence of whales in certain areas, so that mariners travelling in those areas can take actions to avoid collisions with the whales.

STATUS: Interim rule with request for comments published on June 1, 1999. Comment period closed on August 2, 1999.

CONTACT: Mr. Edward LaRue, Tel.: (202) 267-0416, Fax: (202) 267-4826, e-mail: elarue@comdt.uscg.mil.

USCG-1999-5700 Traffic Separation Schemes: Off San Francisco, in the Santa Barbara Channel, in the Approaches to Los Angeles-Long Beach, California

The Coast Guard proposes amending the existing Traffic Separation Scheme (TSS) off San Francisco and the TSS in the Santa Barbara Channel. The proposed amendments are adopted by the International Maritime Organization and have been validated by several recent vessel routing studies. Once implemented, the amended TSSs would route commercial vessels farther offshore, providing an extra margin of safety and environmental protection in the Monterey Bay National Marine Sanctuary and adjacent waters. Additionally, this proposed rule would incorporate descriptions of these TSSs, as well as a description of the existing TSS in the approaches to Los Angeles-Long Beach, into the Code of Federal Regulations.

STATUS: NPRM published on June 17, 1999. Comment period closed on August 16, 1999.

CONTACT: LCDR Brian Tetreault, Tel.: (510) 437-2951, Fax: (510) 437-2961, e-mail: btetreault@d11.uscg.mil.

USCG 1999-5705 Marine Transportation Related Facility Response Plans for Hazardous Substances

This rulemaking would require owners or operators of onshore marine transportation-related facilities to submit a response plan for worst case discharges of hazardous substances.

STATUS: ANPRM published in 61 FR 20084. Comment period closed September 3, 1996. Proposed regulations are in clearance.

CONTACT: LT Michael Roldan, Tel.: (202) 267-0106, Fax: (202) 267-4570, e-mail: mroldan@comdt.uscg.mil.

USCG 1999-6097 Federal Pilotage for Foreign-Trade Vessels in Maryland

The Coast Guard published an NPRM requiring that vessels engaged in foreign trade, under way on the navigable waterways within the state of Maryland, be under the direction and control of Federally licensed pilots when the vessels are not under the control and direction of Maryland State pilots. This measure is necessary to ensure that vessels are navigated by qualified persons, knowledgeable in the local area and accountable to either the state or the Coast Guard. This measure will increase navigational safety in the area of Baltimore Harbor and reduce the risk of marine casualties in the waters of Maryland.

STATUS: We are continuing to ask for comments on this proposed rule, which we expect a Final Rule to be published in the Federal Register by the end of October 2000.

CONTACT: Timothy Farley G-MOA, Tel.: (202) 267-1414, e-mail: tfarley@comdt.uscg.mil.

G-M Regulatory Projects



USCG 1999-6098 Great Lakes Pilotage Rates

This project will allow annual adjustments to rates that Great Lakes registered pilots will charge for their services based on a review of actual expenses. This will keep pilot compensation comparable to the "target pilot compensation" specified in Appendix A to 46 CFR part 404, Ratemaking Analyses and Methodology, and to set the rate at the lowest possible level. Additionally, by making annual adjustments, large rate changes seen in the past can be avoided.

STATUS: Workplan in clearance.

CONTACT: Mr. Frank J. Flyntz, Tel.: (202)366-8981, Fax: (202) 366-7147, e-mail: frank.j.flyntz@dot.gov/slsdc.

USCG 1999-6164 Oil Pollution Act of 1990 (OPA 90), Phase-out Requirements for Single Hull Tank Vessels

This rulemaking will place language in 33 CFR 157 to ensure an understanding of the Coast Guard's enforcement policies for the phaseout regulations of OPA 90 on conversions to single hull tank vessels. The Coast Guard published a Notice of Policy (64 FR 19575) on April 21, 1999, which announced this rulemaking.

STATUS: Notice of Proposed Rulemaking published on Jan. 18, 2000 (65 FR 2812). Comment period for NPRM open until April 17, 2000.

CONTACT: Mr. Bob Gauvin, Tel.: (202) 267-1053, Fax: (202) 267-4570, e-mail: rgauvin@comdt.uscg.mil.

USCG 1999-6224 Licensing and Manning for Operators of Towing Vessels

This rulemaking has been shifted to the Department of Transportation document management system. The rulemaking is assigned the number USCG-1999-6224. This rulemaking revises the requirements for licensing individuals operating towing vessels. It institutes new licenses with levels of qualification and enhanced training and operating experience. A practical demonstration of skill is required under this rulemaking. It requires officers to hold licenses specifically authorizing the geographic area of operation. The rulemaking is partly in response to the investigation of a collision of a tug and barge with a railroad bridge, near Mobile, AL in September 1993, which caused 46 deaths. The casualty prompted the Coast Guard's report, "Review of Marine Safety Issues related to Uninspected Towing Vessels." Some of the recommendations contained in the review are incorporated into this rulemaking.

STATUS: NPRM was published on June 19, 1996 (61 FR 31332). SNPRM was published on October 27, 1997 (61 FR 31332). Four public meetings were held in February 1998. The Interim Rule was published on November 19, 1999. The comment period will end February 17, 2000. The effective date of the Interim Rule is November 20, 2000.

CONTACT: LCDR Luke Harden, Tel.: (202) 267-0229, Fax: (202) 267-4570, e-mail: lharden@comdt.uscg.mil



Calendar of Events

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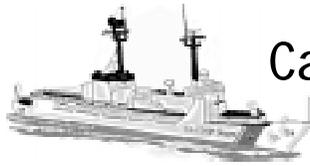
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CHEMICAL TANKER SAFETY

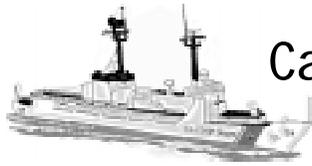
Sponsored by Tecslut Eduplus, Inc., Marine Safety and Environmental Protection Training • Mar. 27-31, 2000 • Dartmouth, Nova Scotia • Captain Roger Day, Tel.: (902) 461-6600 ext. 264, Fax: (902) 461-6601, e-mail: rday@eduplus.ca

COASTAL OIL SPILL RESPONSE AND SAFETY

Sponsored by The National Spill Control School • Mar. 27-31; Jun. 5-9; Jul. 31-Aug. 4, 2000 • Texas A&M University, Corpus Christi, TX • Fran Trevino, Tel.: (361) 825-3333, Fax: (361) 825-3337, e-mail: nscs@tamucc.edu., Website: www.sci.tamucc.edu/nscs

HAZARDOUS MATERIALS COURSE

Sponsored by Maritime Institute of Technology and Graduate Studies • Mar. 27-31; Jun. 5-9, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org



Calendar of Events

TANKSHIP DANGEROUS LIQUIDS

Sponsored by Training Resources, Ltd. • Mar. 27-31; Apr. 17-21; May 8-12, 2000 • San Diego, CA • Ray Addicott, Tel.: (510) 704-8978, Fax: (510) 704-8975, e-mail: trlfor@aol.com

STCW FAST RESCUE BOAT

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Mar. 27-30; Apr. 24-27; May 22-25, Jun. 26-29, 2000 • MMA Campus, MA • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: jjoska@mma.mass.edu

TANKERMAN FAMILIARIZATION

Sponsored by Northeast Maritime Institute • Mar. 27-30; May 15-18; Oct. 23-26; Nov. 12-18; Dec. 10-16, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

AUTOMATIC RADAR PLOTTING AIDS (ARPA)

Sponsored by Maritime Institute of Technology and Graduate Studies • Mar. 27-31; May 1-5 & 15-19; Jun. 5-9, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

BASIC SAFETY TRAINING

Sponsored by Resolve Fire & Hazard Response, Inc. • Mar. 27-31; Apr. 10-14; May 8-12; Jun. 12-16; Jul. 17-21; Aug. 7-11; Sep. 11-15; Oct. 9-13; Nov. 6-10; Dec. 4-8, 2000 • Ft. Lauderdale, FL • Todd Duke, Tel.: (888) 886-FIRE, Fax: (954) 356-5898, e-mail: info@resolvefire.com, Web site:

www.resolvefire.com

GMDSS-70 HOUR

Sponsored by Maritime Institute of Technology and Graduate Studies • Mar. 27-Apr. 7; Apr. 10-21; May 1-12 & 15-26, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

GMDSS RADIO OPERATOR/MAINTAINER

Sponsored by Marine Communication Consultants • Mar. 27-Apr. 7, 2000 • Pasadena, TX • Frank Dawsey, Tel.: (713) 473-6143, Fax: (713) 473-6296

MEDIA AND CRISIS COMMUNICATION SKILLS

Sponsored by American Bureau of Shipping (ABS) Group • Mar. 28; Jun. 6; Sep. 12, 2000 • Knoxville, TN • Karen Davis, Process Safety Institute, Tel.: (865) 675-2580, Fax: (865) 671-5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

LAYER OF PROTECTION ANALYSIS

Sponsored by American Bureau of Shipping (ABS) Group • Mar. 28-29; Nov. 13-14, 2000 • Knoxville, TN and Los Angeles • Karen Davis, Process Safety Institute, Tel.: (865) 675-2580, Fax: (865) 671-5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

DEVELOPING A CRISIS COMMUNICATION PLAN

Sponsored by American Bureau of Shipping (ABS) Group • Mar. 29; Jun. 7; Sep. 13, 2000 • Knoxville, TN • Karen Davis, Process Safety Institute, Tel.: (865) 675-2580, Fax: (865) 671-5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

FAST RESCUE BOAT TRAINING

Sponsored by Texas A&M Center for Marine Training and Safety • Mar. 29-31, 2000 • Galveston, TX • Cherry Young, Tel.: (409) 740-4850, Fax: (409) 744-2890, e-mail: Marine.Training@teexmail.tamu.edu, Web site: <http://teexweb.tamu.edu/cmts>

DANGEROUS LIQUIDS-ORIGINAL

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Mar. 29 - Apr. 2; Apr. 10-14; May 9-13, 2000 • Port Arthur, TX • Tammy Langston, Tel.: (409) 736-2993, Fax: (409) 736-1628

Calendar of Events



LIQUEFIED GAS ORIGINAL

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Mar. 29–Apr. 2; May 1–5, 2000 • Port Arthur, TX • Tammy Langston, Tel.: (409) 736–2993, Fax: (409) 736–1628

HAZARD ANALYSIS LEADER TRAINING

Sponsored by American Bureau of Shipping (ABS) Group • Mar. 30, 2000 • Knoxville, TN • Karen Davis, Process Safety Institute, Tel.: (865) 675–2580, Fax: (865) 671–5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

6TH INTERNATIONAL CONFERENCE ON THE EFFECTS OF OIL ON WILDLIFE**

Sponsored by Tri-State Bird Rescue & Research, Inc. • Mar. 30–31, 2000 • Myrtle Beach, SC • Dr. Virginia Pierce or Dr. Heidi Stout, Tel.: (302) 737–7241, Fax: (302) 737–9562, e-mail: gpierce@tristatebird.org or hstout@tristatebird.org

RELIABLE INTERLOCK AND CONTROL SYSTEM DESIGN

Sponsored by American Bureau of Shipping (ABS) Group • Mar. 30–31; Oct. 26–27, 2000 • Knoxville, TN • Karen Davis, Process Safety Institute, Tel.: (865) 675–2580, Fax: (865) 671–5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

8 HOUR OSHA HAZWOPER REFRESHER

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Apr. 3; May 22; Jun. 19; Aug. 14; Sep. 11; Nov. 6, 2000 • MMA Campus, Buzzards Bay, MA • Jane Joska, Tel.: (508) 830–5098, Fax: (508) 830–5018, e-mail: jjoska@mma.mass.edu

BLOODBORNE PATHOGENS

Sponsored by Miller Environmental Group, Inc. • Apr. 3; Jul. 11; Nov. 20, 2000 • Calverton, NY • George Wallace, Director, Tel.: (631) 369–4900, Fax: (631) 727–2776, e-mail: gwallace@millerenv.com, Web site: www.millerenv.com

RADAR RE-CERTIFICATION

Sponsored by RTM STAR Center • Apr. 3; May 1 & 29, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

GLOBAL MARITIME DISTRESS & SAFETY SYSTEM (GMDSS)

Sponsored by RTM STAR Center • Apr. 3–4; Apr. 24–May 5, 2000 • Dania Beach, FL • Tel.: (800) 445–4522, Fax: (954) 920–4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

ISO 9000 LEAD ASSESSOR

Sponsored by DNV Training • Apr. 3–7; Jun. 19–23; Aug. 7–11; Sep. 25–29; Nov. 6–11, 2000 • Houston, TX; Atlanta, GA; San Diego, CA • Tel.: (770) 279–0001, Fax: (770) 279–0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

BRIDGE RESOURCE MANAGEMENT

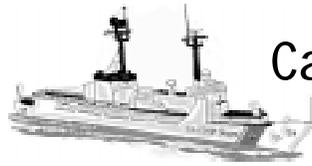
Sponsored by Pacific Northwest Maritime Institute • Apr. 3–5; May 8–10, 2000 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441–2880, Fax: (206) 441–2995, e-mail: pnwradar@mates.org, Web site: www.stcw95.com

BASIC/ADVANCED SHIPBOARD FIREFIGHTING

Sponsored by Resolve Fire & Hazard Response, Inc. • Apr. 3–7; May 1–5; Jun. 5–9; Jul. 10–14; Jul. 31–Aug. 4; Aug. 28–Sep. 1; Oct. 2–6; Oct. 30–Nov. 3; Nov. 27–Dec. 1, 2000 • Ft. Lauderdale, FL • Todd Duke, Tel.: (888) 886–FIRE, Fax: (954) 356–5898, e-mail: info@resolvefire.com, Web site: www.resolvefire.com

MEDICAL FIRST AID

Sponsored by Maritime Institute of Technology and Graduate Studies • Apr. 3–7; Jun. 5–9, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org, Web site: www.mitags.org



Calendar of Events

TANKSHIP/BARGE DANGEROUS LIQUIDS CARGO

Sponsored by U.S. Merchant Marine Academy • Apr. 3-7; May 8-12; Jun. 12-16; Jul. 31-Aug. 4; Sep. 11-15; Nov. 27-Dec. 1, 2000 • Kings Point, NY • John Hazlett, Tel.: (516) 773-5164, Fax: (516) 773-5353, e-mail: hazlettj@usmma.com, Web site: www.usmma.edu/gmats

40 HOUR OSHA HAZWOPER

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Apr. 3-7; May 22-26; Jun. 19-23; Aug. 14-18; Sep. 11-15; Nov. 6-10, 2000 • MMA Campus, Buzzards Bay, MA • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: jjoska@mma.mass.edu

40 HOUR OSHA/RCRA SAFETY

Sponsored by The National Spill Control School • Apr. 3-7; Jul. 17-21; Nov. 6-10, 2000 • Texas A&M University, Corpus Christi, TX • Fran Trevino, Tel.: (361) 825-3333, Fax: (361) 825-3337, e-mail: nscs@tamucc.edu, Web site: www.sci.tamucc.edu/nscs

RADAR OBSERVER, UNLIMITED

Sponsored by Northeast Maritime Institute • Apr. 3-11; May 8-12; Jun. 5-9; Jul. 3-7; Aug. 7-11; Sep. 4-8; Oct. 2-6; Nov. 6-10; Dec. 4-8, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

PERMIT REQUIRED CONFINED SPACE

Sponsored by IMS Environmental Services • Apr. 4; May 2; Jun. 6; Jul. 11; Aug. 8; Sep. 6; Oct. 3; Nov. 8; Dec. 5, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Steve May, Tel.: (757) 436-3000, Fax: (757) 549-0990, e-mail: IMStrain@aol.com

EMERGENCY DRILL INSTRUCTOR WORKSHOP

Sponsored by NPFVOA Vessel Safety Program, Fisherman's Terminal • Apr. 4; May 11; Jun. 15; Jul. 11; Aug. 2; Sep. 12; Oct. 10; Nov. 15; Dec. 13, 2000 • Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: kasi@npfvoa.org, Web site: www.npfvoa.org

INTERNAL AUDITOR-ISM CODE & ISO 9000

Sponsored by ABS Group Inc., Training and Consulting Division • Apr. 4-6; Jun. 20-22; Aug. 8-10, 2000 • Long Beach, CA; Hilton Head, SC; and Seattle, WA • Heather Elliot, Tel.: (301) 921-2345, Fax: (301) 921-0373, e-mail: HElliot@eagle.org, Web site: www.govinst.com

AUTOMATIC RADAR & PLOTTING AIDS (ARPA)

Sponsored by RTM STAR Center • Apr. 4-7; May 2-5, 2000 • Dania Beach, FL • Tel.: (800) 445-4522, Fax: (954) 920-4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

ISO 14001 INTERNAL AUDITOR

Sponsored by DNV Training • Apr. 4-6; Jun. 6-8; Aug. 8-10 & 22-24; Oct. 3-5; Oct. 31-Nov. 2; Nov. 28-30, 2000 • Houston, TX; Atlanta, GA; Mexico: Mexico City, Ciudad Juarez, Guadalajara, and Reynosa • Tel.: (770) 279-0001, Fax: (770) 279-0282, e-mail: sheq-atl@dnv.com, Web site: www.dnvtraining.com

8 HOUR HAZWOPER REFRESHER

Sponsored by Miller Environmental Group, Inc. • Apr. 5; May 3; Jun. 7; Jul. 12; Aug. 2; Sep. 20; Oct. 11; Nov. 8; Dec. 13, 2000 • Calverton, NY • George Wallace, Director, Tel.: (631) 369-4900, Fax: (631) 727-2776, e-mail: gwallace@millerenv.com, Web site: www.millerenv.com

8 HOUR HAZWOPER ON SCENE INCIDENT COMMANDER

Sponsored by Miller Environmental Group, Inc. • Apr. 6; Nov. 6, 2000 • Calverton, NY • George Wallace, Director, Tel.: (631) 369-4900, Fax: (631) 727-2776, e-mail: gwallace@millerenv.com, Web site: www.millerenv.com

Calendar of Events



MEDICAL EMERGENCIES AT SEA

Sponsored by NPFVOA Vessel Safety Program, Fisherman's Terminal • Apr. 6; May 9; Jun. 13; Jul. 13; Aug. 4; Sep. 14; Oct. 12; Nov. 13; Dec. 15, 2000 • Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: kasi@npfvoa.org, Web site: www.npfvoa.org

SUPERVISOR ACCIDENT INVESTIGATION

Sponsored by IMS Environmental Services • Apr. 7; May 30; Jul. 6; Sep. 13, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Steve May, Tel.: (757) 436-3000, Fax: (757) 549-0990, e-mail: IMStrain@aol.com

8 HOUR OSHA/RCRA SUPERVISOR

Sponsored by The National Spill Control School • Apr. 8; Jul. 22; Nov. 17, 2000 • Texas A&M University, Corpus Christi, TX • Fran Trevino, Tel.: (361) 825-3333, Fax: (361) 825-3337, e-mail: nscs@tamucc.edu, Web site: www.sci.tamucc.edu/nscs

SAFETY EQUIPMENT & SURVIVAL PROCEDURES

Sponsored by NPFVOA Vessel Safety Program, Fisherman's Terminal • Apr. 8; May 6; Jun. 17; Jul. 15; Aug. 5; Sep. 9; Oct. 14; Nov. 11; Dec. 16, 2000 • Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: kasi@npfvoa.org, Web site: www.npfvoa.org

TANKER OPERATIONS I

Sponsored by ABS Group Inc., Training and Consulting Division • Apr. 10-11, 2000 • Kings Point, NY • Heather Elliot, Tel.: (301) 921-2345, Fax: (301) 921-0373, e-mail: HElliot@eagle.org, Web site: www.govinst.com

BRIDGE RESOURCE MANAGEMENT FOR PILOTS

Sponsored by Maritime Institute of Technology and Graduate Studies • Apr. 10-11; May 8-9; Oct. 10-11; Nov. 6-7; Dec. 5-6, 2000 • MITAGS Campus, Linthicum Heights, MD • Mike Wein, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: mwein@mitags.org, Web site: www.mitags.org

AUTOMATIC RADAR PLOTTING AIDS (ARPA)

Sponsored by Pacific Northwest Maritime Institute • Apr. 10-14; May 1-5; Jun. 5-9, 2000 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441-2880, Fax: (206) 441-2995, e-mail: pnwradar@mates.org, Web site: www.stcw95.com

40 HOUR HAZWOPER TRAINING

Sponsored by Miller Environmental Group, Inc. • Apr. 10-14; Jun. 12-16; Aug. 14-18; Oct. 16-20; Dec. 4-8, 2000 • Calverton, NY • George Wallace, Director, Tel.: (631) 369-4900, Fax: (631) 727-2776, e-mail: gwallace@millerenv.com, Web site: www.millerenv.com

TRAIN THE TRAINER

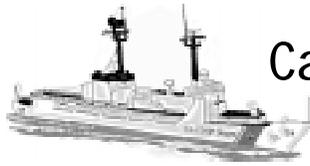
Sponsored by RTM STAR Center • Apr. 10-14; May 22-26, 2000 • Dania Beach, FL • Tel.: (800) 445-4522, Fax: (954) 920-4268, Web site: www.star-center.com

BASIC & ADVANCED FIREFIGHTING

Sponsored by Northeast Maritime Institute • Apr. 10-14; Jun. 12-16; Aug. 14-18; Oct. 9-13; Dec. 4-8, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

SHIPHANDLING IN MANNED MODELS

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • Apr. 10-14; May 8-12; Jun. 5-9 & 19-23; Jul. 10-14 & 24-28; Aug. 7-11 & 21-25; Sep. 11-15 & 25-29; Oct. 9-13 & 23-27; Nov. 6-10, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830-5095, Fax: (508) 830-5090, e-mail: ahammerle@mma.mass.edu



Calendar of Events

BASIC SAFETY TRAINING

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OPA-90 QUALIFIED INDIVIDUAL TRAINING PROGRAM

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Apr. 10-14; May 15-19, Jun. 12-16, Sep. 18-22, Nov. 13-17, 2000 • MMA Campus, Buzzards Bay, MA • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: jjoska@mma.mass.edu

GMDSS

Sponsored by Mercomms, Unlimited and Training Resources, Ltd. • Apr. 10-21, 2000 • San Diego, CA • Ray Addicott, Tel.: (510) 704-8978, Fax: (510) 704-8975, e-mail: trlfor@aol.com

GMDSS

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MEDICAL PERSON IN CHARGE

Sponsored by Maritime Institute of Technology and Graduate Studies • Apr. 10-21; Jun. 19-30, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

SHIPHANDLING SIMULATOR COURSE

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NAVIGATION: COLLISION AVOIDANCE

Sponsored by NPFVOA Vessel Safety Program, Fisherman's Terminal • Apr. 11; May 12; Jun. 12; Jul. 7; Aug. 7; Sep. 7; Oct. 19; Nov. 8; Dec. 4, 2000 • Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: kasi@npfvoa.org, Web site: www.npfvoa.org

BRIDGE RESOURCE MANAGEMENT

Sponsored by RTM STAR Center • Apr. 11-13; May 16-18, 2000 • 2 W. Dixie Highway, Dania Beach, FL • Tel.: (800) 445-4522, Fax: (954) 920-4268, e-mail: e-mail@star-center.com, Web site: www.star-center.com

ISO 9000 INTERNAL AUDITOR

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CHEMICAL TRANSPORTATION ADVISORY COMMITTEE SPRING, 2000 MEETING NOTICE

Sponsored by the United States Coast Guard • April 12, 2000 • U.S. Coast Guard Headquarters, Washington, DC • CDR Robert Corbin, CTAC Executive Director or Ms. Sara Ju, Asst. to the Executive Director, Tel.: (202) 267-0103 or 0081, e-mail: rcorbin@comdt.uscg.mil or sju@comdt.uscg.mil

TANKER OPERATIONS II

Sponsored by ABS Group Inc., Training and Consulting Division • Apr. 12-14, 2000 • Kings Point, NY • Heather Elliot, Tel.: (301) 921-2345, Fax: (301) 921-0373, e-mail: HElliot@eagle.org, Web site: www.govinst.com

Calendar of Events



VESEL STABILITY/DAMAGE CONTROL

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WRITING EFFECTIVE OPERATING PROCEDURES

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FIRST AID/CPR

Sponsored by Northeast Maritime Institute • Apr. 16; May 21; Jun. 18; Jul. 9; Aug. 20; Sep. 17; Oct. 15; Nov. 12; Dec. 10, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

STCW BASIC SAFETY TRAINING

Sponsored by Northeast Maritime Institute • Apr. 16-22; May 21-27; Jun. 18-24; Jul. 9-15; Aug. 20-26; Sep. 17-23; Oct. 15-21; Nov. 12-18; Dec. 10-16, 2000 • New Bedford, MA • Tel.: (508) 992-4025, Fax: (508) 992-9184, e-mail: neast@northeastmaritime.com

CRANE OPERATIONS & MAINTENANCE

Sponsored by NPFVOA Vessel Safety Program, Fisherman's Terminal • Apr. 17; May 22; Jun. 19; Jul. 17; Aug. 14; Sep. 18; Oct. 23; Nov. 20; Dec. 18, 2000 • Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: kasi@npfvoa.org, Web site: www.npfvoa.org

COLD WATER SURVIVAL

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ADVANCED FIREFIGHTING

Sponsored by Maritime Institute of Technology and Graduate Studies • Apr. 17-21; May 15-19; Jun. 26-30, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

OIL SPILL RESPONSE, CONTROL & MANAGEMENT

Sponsored by IMS Environmental Services • Apr. 17-21; Jun. 19-23; Oct. 23-27, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender, Tel.: (757) 436-3000, Fax: (757) 549-0990, e-mail: IMStrain@aol.com

SAFE CARGO HANDLING

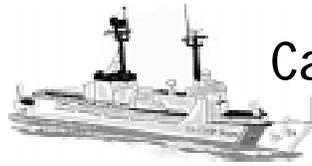
Sponsored by NPFVOA Vessel Safety Program, Fisherman's Terminal • Apr. 18; May 23; Jun. 20; Jul. 18; Aug. 15; Sep. 19; Oct. 24; Nov. 21; Dec. 19, 2000 • Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: kasi@npfvoa.org, Web site: www.npfvoa.org

BASIC MARINE FIREFIGHTING

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PERSONAL SAFETY & SOCIAL RESPONSIBILITY

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Calendar of Events

LIFEBOATMAN

Sponsored by Northeast Maritime Institute • Apr. 24–28; May 29–Jun. 2; Jul. 17–21; Aug. 28–Sep. 1; Sep. 25–29; Nov. 20–24, 2000 • New Bedford, MA • Tel.: (508) 992–4025, Fax: (508) 992–9184, e-mail: neast@northeastmaritime.com

ABLE SEAMAN/LIFEBOATMAN

Sponsored by Northeast Maritime Institute • Apr. 24–May 12; May 29–Jun. 16; Jul. 17–Aug. 4; Aug. 28–Sep. 15; Sep. 25–Oct. 13; Nov. 12–Dec. 8, 2000 • New Bedford, MA • Tel.: (508) 992–4025, Fax: (508) 992–9184, e-mail: neast@northeastmaritime.com

INTRO TO ISO 9000 YEAR 2000 UPDATE

Sponsored by DNV Training • Apr. 25; May 9 & 25; Jul. 7, 18 & 25; Aug. 4 & 24; Sep. 19; Oct. 10, 13 & 26, 2000 • Atlanta, GA; Detroit, MI; Houston, TX; Long Beach, CA; San Diego, CA; Monterrey, MX • Tel.: (770) 279–0001, Fax: (770) 279–0282, e-mail: sheq-atl@dnv.com, Web site:

www.dnvtraining.com

APPLIED CONSEQUENCE ANALYSIS

Sponsored by American Bureau of Shipping (ABS) Group • Apr. 26–28; Oct. 10–12, 2000 • Knoxville, TN • Karen Davis, Process Safety Institute, Tel.: (865) 675–2580, Fax: (865) 671–5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

LAND BASED FIRE FIGHTING

Sponsored by Maritime Institute of Technology and Graduate Studies • May 1–11, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

SHIPBOARD MEDICAL CARE

Sponsored by Maritime Institute of Technology and Graduate Studies • May 1–26; Aug. 7–Sep. 1, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

STCW–95 IMPLEMENTATION AND IN–SERVICE ASSESSOR

Sponsored by DNV Training • May 2–4; Jun. 13–15, 2000 • Houston, TX; River Edge, NJ; Vancouver, BC • Tel.: (770) 279–0001, Fax: (770) 279–0282, e-mail: sheq-atl@dnv.com, Web site:

www.dnvtraining.com

CRUDE OIL WASHING AND INERT GAS SYSTEMS

Sponsored by Tecsumt Eduplus, Inc., Marine Safety and Environmental Protection Training • May 8–11, 2000 • Dartmouth, Nova Scotia • Captain Roger Day, Tel.: (902) 461–6600, Fax: (902) 461–6601, e-mail: rday@eduplus.ca

HAZARDOUS WASTE SITE CLEANUP

Sponsored by IMS Environmental Services • May 8–12; Jun. 12–16; Sep. 14–18; Nov. 16–20; Dec. 11–15, 2000 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Steve May, Tel.: (757) 436–3000, Fax: (757) 549–0990, e-mail: IMStrain@aol.com

INLAND OIL SPILL RESPONSE AND SAFETY

Sponsored by The National Spill Control School • May 8–12; Oct. 23–27, 2000 • Texas A&M University, Corpus Christi, TX • Fran Trevino, Tel.: (361) 825–3333, Fax: (361) 825–3337, e-mail: nscs@tamucc.edu, Web site: www.sci.tamucc.edu/nscs

COMPUTER OPERATING SYSTEMS

Sponsored by Maritime Institute of Technology and Graduate Studies • May 8–12; Jun. 12–16, 2000 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org, Web site: www.mitags.org

Calendar of Events



RADAR OBSERVER UNLIMITED

Sponsored by Massachusetts Maritime Academy, Center for Maritime Training • May 8-18; May 30-Jun. 2; Jul. 10-14; Aug. 21-25; Oct. 23-Nov. 1, 2000 • MMA Campus, Buzzards Bay, MA • Annie Hammerle, Tel.: (508) 830-5095, Fax: (508) 830-5090, e-mail: ahammerle@mma.mass.edu

SASMEX INTERNATIONAL 2000**

May 9-11, 2000 • Brighton, Sussex, England • Gillian Jones, e-mail: gjones@dmg.co.uk, Web site: www.dmg.co.uk

24 HOUR HAZWOPER TRAINING

Sponsored by Miller Environmental Group, Inc. • May 9-11; Jul. 25-27; Sep. 12-14; Nov. 14-16, 2000 • Calverton, NY • George Wallace, Director, Tel.: (631) 369-4900, Fax: (631) 727-2776, e-mail: gwallace@millerenv.com, Web site: www.millerenv.com

WRITING EFFECTIVE MAINTENANCE PROCEDURES

Sponsored by American Bureau of Shipping (ABS) Group • May 12; Nov. 17, 2000 • Houston, TX and Knoxville, TN • Karen Davis, Process Safety Institute, Tel.: (865) 675-2580, Fax: (865) 671-5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

NATIONAL SEALIFT TRAINING PROGRAM FOR ENGINEERS

Sponsored by U.S. Merchant Marine Academy • May 15 & 26, 2000 • Kings Point, NY • Stephen Frangos, Tel.: (516) 773-5149, Fax: (516) 773-5353, e-mail: frangoss@usmma.edu, Web site: www.usmma.edu/gmats

LEVEL II INCIDENT INVESTIGATOR TRAINING

Sponsored by American Bureau of Shipping (ABS) Group • May 15-17; Sep. 25-27, 2000 • Knoxville, TN • Karen Davis, Process Safety Institute, Tel.: (865) 675-2580, Fax: (865) 671-5851, e-mail: psi-jbfa@abs-group.com, Web site: www.abs-jbfa.com/psi.html

ISO 9000 LEAD AUDITOR (MARINE)

Sponsored by ABS Group Inc., Training and Consulting Division • May 15-19, 2000 • Houston, TX • Heather Elliot, Tel.: (301) 921-2345, Fax: (301) 921-0373, e-mail: HElliot@eagle.org, Web site: www.govinst.com

Contributions

Marine Safety Newsletter and *Proceedings* magazine welcome manuscript and photo submissions for publication. No payment can be made for manuscripts or photos submitted for publication. However, an author or photo credit byline will be given. The Editor reserves the right to make any editorial changes in manuscripts which he believes will improve the material without altering the intended meaning. All correspondence should be addressed to: Editor, U.S. Coast Guard, National Maritime Center, 4200 Wilson Boulevard, Suite 510, Arlington, VA 22203-1804.

Calendar of Events Submissions

Due to the large number of submissions for the Calendar of Events Section, we will list all events that occur the month after publication and later in chronological order. Other events will be included, if space permits.

Deadlines

- The *Marine Safety Newsletter* is published monthly on the 5th of each month.
- The deadline for articles, calendar events, and regulatory information is on the 25th of the previous month.
- Readers receive their copy of the *Marine Safety Newsletter* around the 15th of each month.

Up to the Minute News

Items missing the deadline for the *Marine Safety Newsletter* are posted on the World Wide Web at: www.uscg.mil/hq/g-m/gmhome.htm.

Address Changes

If you would like to receive the *Marine Safety Newsletter* or change your address (be sure to send label or include code number), please call (202) 493-1056 or fax (202) 493-1065.

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