

# Marine Safety Newsletter

US Coast Guard Marine Safety and Environmental Protection Directorate

## 1999 Hurricane Season Outlook

Vessel owners and merchant mariners should prepare for the worst, say scientists at the National Oceanic and Atmospheric Administration. Their 1999 Atlantic hurricane outlook states that there is a strong likelihood of above-average tropical storm and hurricane activity over the North Atlantic basin during the June–November hurricane season. The Caribbean region is also at risk of experiencing more tropical storms or hurricanes than usual. These findings are due to the expected continuation of La Niña conditions and its associated atmospheric circulation and tropical rainfall patterns. Most of this enhanced activity is expected to occur from August to October.

La Niña refers to cooler than average sea-surface temperatures across the central and eastern tropical Pacific. In combination with these oceanic conditions, the present pattern of tropical rainfall is dominated by above-normal rainfall across Indonesia and the eastern Indian Ocean, and by a near-absence of rainfall across the eastern equatorial Pacific. This pattern of tropical rainfall is associated with atmospheric circulation features which often favor an active hurricane season. Hurricanes are characterized by counter clockwise winds, low pressure, heavy rains, and the potential to cause death and destruction across a wide swath of land or to a ship.

During the hurricane season of an average year, there are 9 tropical storms (maximum sustained winds between 39–73 mph), 6 hurricanes (maximum sustained winds of at least 74 mph), and 2 major hurricanes (maximum sustained winds exceeding 110). Predictions for 1999 include 14 tropical storms, 9 hurricanes, and 3 or 4 major hurricanes.

While hurricanes historically cause the most damage to the eastern and southeastern United States (including the Gulf of Mexico), the power of a tropical storm cannot be ignored. Of the top 30 most powerful Atlantic storms that have struck the U.S. since 1938, four of them were tropical storms.

Most mariners have never experienced a major hurricane, but many have been through weaker storms. There are not many things more dangerous than a misinformed mariner. A false impression of a hurricane's power could result in the loss of many lives due to delayed actions.

A hurricane-force wind should not be underestimated. As winds increase, pressure against objects increases at a disproportionate rate. Pressure against an object mounts with

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The *Marine Safety Newsletter* is published by the USCG Marine Safety and Environmental Protection Directorate to collect and disseminate information of general interest to the maritime community. The monthly newsletter prints abstracts of major USCG rulemakings, studies, special projects, and related events. Articles from non-Coast Guard sources may not represent USCG policy or views.

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**August 1999**



**What Every Skipper Should Know**

Obviously, the best way to handle an oncoming hurricane is to get out of the area or get to shore immediately and avoid it completely. If you are at sea and this is impossible, you should prepare yourself, the vessel, and your crew for the storm.

- Have a hurricane plan in place long before the storm is on its way.
- Meet with the crew to explain the situation and reassure them. Make sure they know what to do, and what not to do, when the extreme weather arrives. Explain such things as keeping low in the boat, not moving around excessively, and not going out on deck unless necessary. Give them all an assignment to keep them occupied and keep their minds off the situation.
- Determine the position of the storm, wind direction, speed, and estimate time to your location.
- Secure all hatches; close all ports and windows. Tape crisscrossed masking tape on windows to prevent flying glass in case of breakage.
- Pump bilges dry and repeat as required. This helps eliminate sloshing of water in the bilge as the boat rolls, which can affect stability.
- Secure all loose gear above decks and below. Put away small items and lash down larger ones. Move important documents to high areas in case the ship floods.
- Instruct the crew to put on lifejackets and foul weather gear. Do this before the weather gets bad; don't wait too long.
- Ready emergency equipment that you may need such as hand pumps, bailers, first aid kit, sound signaling device, etc.
- Get a good fix of your position and plot it on your chart. Make note of the time, your heading, and your speed.
- Attempt to navigate into sheltered waters.
- Continue to monitor channel 16 on your VHF radio for updates to severe forecasts.
- For extremely severe weather, break out your abandon ship procedures and review them.
- Make sure the life rafts are ready to be deployed and are supplied with emergency food and water.
- Rig jack lines and/or life lines and require anyone who must go on deck to wear a safety harness.
- Make ready your sea anchor or drogue if necessary.
- Turn on navigation lights.
- Change to a full fuel tank if possible.
- Keep a sharp lookout for other boats and floating debris.

Courtesy of [boatsafe.com](http://boatsafe.com)

the square of windspeed so that a threefold increase in windspeed yields an increase in pressure nine times greater. Thus, a 25-mph wind causes about 1.6 pounds of pressure per square foot. An object will be pushed by a weight of 50 pounds. In 75 mph winds, that force becomes 450 pounds, and in 125 mph winds, it becomes 1,250 pounds. This is enough force to cause severe damage. These winds achieve their greatest speeds over open water.

Remember, the size of your boat has little to do with its seaworthiness. How it handles adverse weather conditions is built in during the design and construction. Each hull design reacts differently to the sea conditions—and even two boats with the same design may act differently depending on their load and trim. Every skipper should learn the idiosyncrasies of his boat and know how it will react as conditions change. You should attend USCG Auxiliary classes to learn about heavy weather handling techniques, and then you should practice the maneuvers in good weather and light to moderate seas. Surviving a hurricane unscathed requires luck, but being prepared can tilt the odds in your favor.

Information courtesy of NOAA

**Clinton Creates Seaport Commission**

On April 27, the Interagency Commission on Crime and Security in U.S. Seaports was formally established by the President to conduct a comprehensive study of the nature and extent of crime and the overall state of security in U.S. seaports. The commission will be co-chaired by the Secretary of Transportation, the Secretary of Treasury, and the Attorney General.

The commission will address all serious crime in U.S. seaports, including drug trafficking, auto theft rings, cargo theft, smuggling of contraband and aliens, and the threat of terrorism. Staffers from several federal agencies who have been assigned to the commission toured the Port of Miami and Port Everglades in mid-July; they were planning on visiting Baltimore, Los Angeles-Long Beach, and eight other ports in the near future.

Within a year of its establishment, the commission must submit a report to the president, including an analysis of the nature and extent of serious crime and an assessment of the overall state of security in U.S. seaports; an assessment of the nature and effectiveness of the ongoing coordination among the federal, state, and local government agencies; and recommendations for improving the response of those governments to seaport crime. Log onto [www.seaportcommission.gov](http://www.seaportcommission.gov) to follow their findings.



## New Anchorage Ground

The Coast Guard is establishing Federal Anchorage 19-A in the Hudson River near Hyde Park, NY. This is necessary to provide an anchorage ground on the Hudson River for vessels awaiting favorable tides and/or daylight for passage to facilities north of New York City.

This action is intended to increase safety for vessels transiting the Hudson by providing an anchorage ground away from congested traffic lanes used in New York Harbor. For further information, contact LT J. Lopez at (718) 354-4193.

## OSV Meeting to be Held

The Coast Guard will hold a public meeting to discuss potential revisions to its Offshore Supply Vessel (OSV) regulations. The meeting will focus on the possible establishment of International Tonnage Convention (ITC) tonnage values for OSVs; additional standards for larger OSV including licensing and manning; and standards for crewboats as a new category of OSVs. Interested persons are encouraged to participate in person or via written comments.

The meeting will be held August 26 at 9:00 am in the 12th floor conference room, room 1242, Hale Boggs Federal Building, 501 Magazine Street,

New Orleans, LA.

Comments must be received at the Docket Management Facility, U.S. Dept. of Transportation, Room PL-401, 400 Seventh St., SW, Washington, DC 20590, by September 21.



On July 9 in Arlington, Virginia, the National Maritime Center held its first ever Change of Command Ceremony. Captain Myles S. Boothe Jr. assumed command from Captain Michael M. Rosecrans, who served as NMC's first commanding officer beginning in 1997. From left, Captain Thomas H. Gilmour; Captain Rosecrans; Captain Boothe; and Commander James R. Fisher, Chaplain of Coast Guard Headquarters, observe colors.

## WWW.



What's New on the  
World Wide Web

<http://www.uscg.mil/hq/g-m/gmhome.htm>

Approved courses for the month of August

<http://www.uscg.mil/hq/g-m/marpers/examques/achome.htm>

New August OSRO classification listings

<http://www.uscg.mil/hq/g-m/nmc/response/index.htm#OSRO>

NVIC 8-99: Guidance for the Enforcement of the 1999 Amendments to Title 33 Code Federal Regulation (CFR) Part 151, Implementation of the National Invasive Species Act of 1996 (NISA)

[http://www.uscg.mil/hq/g-m/nvic/8\\_99/n8-99.pdf](http://www.uscg.mil/hq/g-m/nvic/8_99/n8-99.pdf)

NVIC 7-99: Year 2000 (Y2K) Risk Assessment and Mitigation Policy for Vessels and Marine Facilities

[http://www.uscg.mil/hq/g-m/nvic/7\\_99/n7-99.pdf](http://www.uscg.mil/hq/g-m/nvic/7_99/n7-99.pdf)

Marine Safety Manual #3 revision

<http://www.uscg.mil/hq/g-m/nmc/pubs/msm/vol3.htm>

Press release announcing change in Y2K Reporting Deadline from August 1 to August 20

<http://www.uscg.mil/hq/g-m/y2kweb/startup.htm>



## Report of the 43rd Session of MEPC

The 43rd session of the Marine Environment Protection Committee of IMO convened June 28 through July 2. The Meeting was attended by 74 members, 2 associate members, 7 United Nations Agencies, 8 Intergovernmental Organizations, and 37 non-governmental organizations. All U.S. objectives were achieved. Items of particular interest were:

*Concurrence with a number of actions taken by the Maritime Safety Committee, including the limitation in scope of the draft Polar Code (see the report in the July 1999 Marine Safety Newsletter.*

*Agreement to consider the recommendations of the seventh session of the Commission on Sustainable Development at its next session.*

*Amendments to MARPOL 73/78.* The Committee adopted amendments to Regulation 13G of Annex I of MARPOL 73/78 to lower the requirements for existing oil tankers carrying persistent product oil to have double hulls from 30,000 to 20,000 deadweight tons and associated amendments to the International Oil Pollution Prevention (IOPP) Certificate. The U.S. reserved its position on these amendments because the country is not party to regulation 13G. The Committee also unanimously adopted amendments to Annex II of MARPOL to include a new regulation for shipboard marine pollution emergency plans for tankers carrying noxious liquid substances. These amendments to Annex I and II are scheduled to enter into force on January 1, 2001 in accordance with the procedures of Article 16 of MARPOL.

*Agreement to recommend to the Council that a diplomatic conference be convened to adopt an instrument on anti-fouling paints on ships.* The Committee adopted, with minor amendments, the United States draft treaty text to serve as the basis for further development and negotiation of the draft legal instrument on antifouling paints for ships. The Committee also agreed to recommend to the Council that the diplomatic conference to finalize and adopt the draft antifouling instrument should be scheduled in the 2000/2001 biennium, and that a review of all antifoulants is inappropriate and that consideration would be limited in the treaty to specific proposals made by parties that request international action on a specific antifouling system or biocide.

*Agreement not to recommend to the Council that a diplomatic conference be convened to adopt*

*an instrument on ballast water management.* The Committee decided it would not seek approval from the Council for a diplomatic conference in the 2000-2001 biennium to adopt a ballast water management instrument. The Committee agreed that the work of the ballast water working group has not progressed to a stage where a successful conference is likely in the upcoming biennium. The ballast water management issue remains a high priority of the organization. The ballast water working group agreed on a base document and prioritized work plan for intersessional action by members, as well as further work at MEPC 44. The U.S. played an important role in the further development of this base document.

*Particularly Sensitive Sea Areas.* The Committee approved a draft Assembly Resolution with new procedures for the identification of particularly sensitive sea areas (PSSAs) based on procedures previously proposed by the U.S. The Committee invited the Navigation Subcommittee to review the new procedures and provide any comments directly to the Assembly.

*OPRC matters.* The Committee decided the Hazardous and Noxious Substance (HNS) Preparedness and Response Protocol and the associated draft conference resolutions should be circulated for consideration at a diplomatic conference to be held in conjunction with MEPC 44 in March 2000. The U.S. has reserved its position on the HNS Protocol because of major inconsistencies with U.S. requirements. The Committee agreed to form a correspondence group for the purpose of updating information on combating oil spills in Section IV of the IMO Oil Pollution Manual. The U.S. agreed to work with the International Tanker Owners Pollution Federation Limited (ITOPF) on the review of the chapter in this section covering the effects of oil on marine resources. The OPRC working group also agreed that an IMO informational guidance document on fisheries management during and after an oil spill would be undertaken with a view toward submission of a draft document to MEPC 44. The U.S. has been a major contributor to this effort.

*Budgetary Implications for GESAMP.* Led by a strong U.S. intervention, the Committee agreed not to request the Council to include additional funding for GESAMP to develop a new hazard profile for the comprehensive review of Annex II of MARPOL. The Committee also agreed not to postpone the Subcommittee on Bulk Liquids and Gases (BLG) to provide funding to GESAMP. The Committee accepted that without additional funding the revision of Annex II would be delayed.

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.



*Air Pollution matters.* The Committee approved an MEPC Resolution on guidelines for monitoring sulfur content of residual fuel oils used on board ships. The Committee agreed to consider modifications to the Nox code at its next session. The Committee instructed the Fire Protection Subcommittee to develop the appropriate amendments to SOLAS, if agreement is reached on essential uses of PFCs.

*Outcome of CSD.* The Committee had a very preliminary discussion of the outcome of the seventh session of the Commission on Sustainable Development (CSD). The Committee agreed to discuss the CSD recommendations in more detail at its next session and requested the Secretariat to inform the other IMO Committees of the CSD recommendations.

*Reception Facilities.* The Committee approved a draft Assembly Resolution that requests the MEPC to develop guidelines for the provision and utilization of adequate waste reception facilities in ports around the world. A working group will be convened at MEPC 44 to continue the development of these guidelines.

*Interpretation of MARPOL.* The Committee agreed with the proposal of Panama on the inspection and certification of floating platforms. The Committee also agreed with the proposal of the Republic of Korea regarding clarification of Annex V of MARPOL. The Committee agreed to consider a draft text of the revision of Annex IV of MARPOL at its next session to address issues that have prevented this Annex from entering into force.

*Enforcement of MARPOL.* The Committee took note of the significant progress made by the cor-

respondence group led by the U.S. to revise the publication, "MARPOL, How to Do It." Due to limited time, the Committee was not able to resolve the one remaining issue on the inclusion of references to UNCLOS in the text of the publication and agreed to consider this matter at its next session.

*INF Code related matters.* The Committee took note of the progress report to evaluate the potential hazards of radioactive material in the marine environment. This evaluation is being conducted in coordination with UNEP and IAEA. The progress report included the selection of two consultants to carry out a literature review of the international nuclear information system database.

*Work Program.* After an extensive exchange of views, the Committee decided to include the Norwegian proposal on the scrapping of ships in its work program and on its agenda for MEPC 44. It was recognized that additional information was needed to assist the Committee in dealing with this issue, including input on which other international organizations should be coordinated with on this issue. Norway was invited to provide more information to the next session of the Committee.

*Election of Chairman.* The MEPC unanimously re-elected Mr. M. Julian (Australia) as chairman and Mr. Z. Alam (Singapore) as vice chairman for 2000.

*Next Session.* The MEPC agreed that MEPC 44 would be held March 6-10, 2000. Major Agenda items will include adoption of amendments to MARPOL 73/78, ballast water management, anti-fouling paints, reception facilities, revision to Annex IV of MARPOL 73/78, air pollution matters, and scrapping of ships.

## UPCOMING IMO MEETINGS

<b>September 6-10</b>	Facilitation Committee—27th session
<b>September 20-24</b>	Subcommittee on Safety of Navigation (NAV)—45th session
<b>October 4-8</b>	21st Consultative Meeting of Contracting Parties to the London Convention 1972
<b>October 11-15</b>	Legal Committee—80th session
<b>October 18-22</b>	IOPC Funds—92 Fund Assembly, 71 Fund Assembly, 92 Fund Executive Committee, 71 Fund Executive Committee
<b>November 12*</b>	Council—20th extraordinary session
<b>November 15-26*</b>	Assembly—21st session
<b>November 26*</b>	Council—83rd session
<b>December 6-10*</b>	21st Consultative Meeting of Contracting Parties to the London Convention 1972

\* Tentative

## The Power of Dialogue

We tend to teach how we were taught. How were you taught?

Chances are we spent much of our lives as passive learners—sitting and listening while an instructor or senior provided information that we absorbed like sponges. Now compare that with the training sessions you conduct. Are your students actively engaged, asking questions, and providing solutions? Or are their eyes glazed over, waiting for the boat drill or class session to end?

Whether a Chief Mate, an instructor, or just a crew member showing a new shipmate around, we can learn something from good elementary school teachers: they use dialogue to hold students' attention and hold students accountable for knowledge.

Dialogue means the "word between us," and therefore implies that there is two-way communication going on during a training session. We often forget the power this conversation has. Here are three good reasons why you should create such a dialogue:

- By getting your group to talk to you, their concerns and opinions do the teaching—the experience of the group outweighs the experience of the teacher almost every time. This will establish relevance to their life.

- If your team isn't talking to you, how do you know when *they* know? When instruction is a one-way street, you can't assess their knowledge. You have to establish meaningful dialogue to feel comfortable about your team's abilities and knowledge.

- When learning is a conversation, your students take ownership of that training session. That doesn't mean that the instructor relinquishes control—rather the opposite: The instructor is putting the responsibility of newfound knowledge back on the students' shoulders. This is far more meaningful than merely attending a drill.

But elementary school teachers make it look easy. How do you foster a conversation like this with seasoned sailors? When adults don't find something relevant, they vote with their feet and walk out. By far, the best way to kick-start dialogue is with relevant, open-ended questions:

- "What do you see happening here?"
- "How did this work on your last ship?"
- "What can we do about this?"
- "What problems does this cause?"
- "What's a better way to do this?"

Then stop talking and listen. I know this sounds obvious, but it's hard to do when you're accustomed to "conducting" drills. Waiting for an answer holds students accountable. If no one volunteers information or ideas, call on someone by name, rephrase or repeat the question, and then wait for an answer again.

Follow up students' comments with more specific questions: "What are some hazards involved with this approach?..." You can shoot some questions from the hip, but it always helps to develop 10 or so "canned" questions that you can use. (It's hard to come up with meaningful questions on the fly.)

One way to get students talking is to react to them. Have you ever been in a group and someone said something that no one reacted to? Educators call that the "fatal plop" because the words come out, and just seem to plop down on the deck. When you discuss the students' observations, follow up with a question, a comment, or a correction. Some instructors have trouble praising adults because they may feel it's condescending. Yet, people need praise to feel like they are contributing to their own learning; besides, there are many ways to say "very good." Rephrasing, "I couldn't have said it better myself," or "I liked the way you explained that," are just two ways to praise.)

Finally, wrap up your session by letting your team have the last word. My favorite question at the end of a training session is, "What's something you want to take with you from this (drill, session, familiarization)?"

So, what is something you want to take from this article? Take some time before your next training session to answer this. Come up with a handful of meaningful questions; I guarantee you will see a more productive training or shipboard familiarization.

*David J. Harriss,  
LMSR Port Captain, Maersk Line Ltd.*

### 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







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. Sirkar, Tel.: (202) 267-6925

**Port Access  
Routes Study;  
Strait of Juan  
de Fuca and  
Adjacent Waters**

The Coast Guard is conducting a study of port-access routes to evaluate the continued applicability of and the need for modifications to current vessel routing measures in and around the Strait of Juan de Fuca and adjacent waters, including Admiralty Inlet, Rosario Strait, Haro Strait, Boundary Pass, and the Strait of Georgia. The goal of the study is to help reduce the risk of marine casualties and increase vessel traffic management efficiency in the study area. The recommendations of the study may lead to future rulemaking or appropriate international agreements.

STATUS: Notice; request for comments (USCG-1999-4974) published on January 20, 1999 (64 FR 3145). Notice of meeting; extension of comment period published on April 15, 1999 (64 FR 18651). Comment period closed on May 31, 1999. Public meeting was held on May 12, 1999 in Seattle.

CONTACT: John Mikesell, Tel.: (206) 220-7272 or Barbara Marx, Tel.: (202) 267-0574

**Port Access  
Routes Study  
for Approaches  
to Los Angeles  
and Long Beach**

The Coast Guard is conducting a study of port-access routes for the approaches to Los Angeles and Long Beach. The study will evaluate potential effects of recent port improvement projects on navigational safety and vessel traffic management efficiency in the study area and may recommend changes to existing vessel routing measures. The recommendations of the study may lead to future rulemaking.

STATUS: Request for comments (USCG-1999-5198) published on March 11, 1999 (64 FR 12139). Comment period closed on May 10, 1999.

CONTACT: Mike VanHouten, Tel.: (510) 437-2968

**Prince William  
Sound Notice of  
Study Results**

The Port Access Route Study looked into vessel transit safety and recommended some changes to the traffic lane separation scheme (TSS) in the vicinity of Prince William Sound (PWS), AK. The changes were recommended only to the approach routes used by vessels in the voluntary TSS. This study was conducted as a result of a PWS Risk Assessment Steering Committee report regarding oil shipping risk within the sound. USCG MSO Valdez completed the study on March 4, 1999. The Notice of Study was released in the Federal Register on February 9, 1998 (63 FR 6502).

STATUS: Drafting the Federal Register notice.

CONTACT: LT Michael Dreier, Tel.: (202) 267-6490

**Crew Size  
Evaluation  
Model**

The Crew Size Evaluation Model (CSEM) was developed for Coast Guard proprietary use by a research team including the Coast Guard Research & Development Center (R&DC), Battelle Seattle Research Center, and Rensselaer Polytechnic Institute. The application will facilitate an understanding of how changes in operational factors (such as port call frequency or shoreside maintenance) can affect the number of crew needed aboard the ship. It can also be used to evaluate crew proposals for merchant vessels. CSEM has been developed over several years based on the premise that technological change and economic pressure are forcing the Coast Guard to take a new look at determining minimum crew complements. It uses crew tasking and work hours as objective measures to help determine appropriate manning. CSEM has been designed as an analysis tool that will support policy decisions related to the determination and evaluation of vessel manning. Initially sponsored by G-MSO, CSEM will be implemented in G-MOC as the Office responsible for vessel manning compliance.

STATUS: A "Beta" version delivered to G-MOC and user training provided December 1998. After obtaining input from users, a final version will be delivered in FY99.

**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 Comptore, Tel.: (860) 441-2751

# 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 <http://www.uscg.mil/hq/g-m/reggs/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

## **CDG 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 April 19, 1999 (64 FR 19039), the Coast Guard published a notice delaying the effective date of subpart D until October 24, 1999.

STATUS: IFR published on April 25, 1995 (60 FR 20310). SNPRM being drafted.

CONTACT: LCDR Nancy Goodridge, Tel.: (202) 267-0254

## **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

## **CDG 94-055 Licensing and Manning for Operators of Towing Vessels**

This rulemaking would revise the requirements for licensing those individuals operating towing vessels. It would institute new licenses with levels of qualification and with enhanced training and operating experience. Further, it would require all towing vessels to be manned by officers holding licenses specifically authorizing such service. It is based on the investigation of a collision of a tug and barge with a railroad bridge, near Mobile, AL, in September 1993, which caused 47 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 comment period closed February 24, 1998. Interim Rule is in clearance.

CONTACT: LCDR Luke Harden, Tel.: (202) 267-0229

## **USCG 1997-2799 User Fees for Licenses, Certificates of Registry, and Merchant Mariner Documents**

This project would revise user fees for Coast Guard services relating to the issuance of merchant mariner licenses, certificates of registry, and merchant mariner documents. The proposed revisions are based on the most recent recalculation of program costs associated with mariner documentation services. This is the first proposed revision of these user fees since they were established in the final rule published on March 19, 1993 (59 FR 15228). That final rule became effective on April 19, 1993. The Coast Guard is also proposing to reformat the two CFR sections in which the fees are published from narrative text into a more user-friendly table.

STATUS: NPRM published on April 1, 1998 (63 FR 16024). Final Rule published on August 5, 1999.

CONTACT: CDR David Skewes, Tel.: (202) 267-6888



## G-M Regulatory Projects

### **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

### **USCG 1998-3423 Implementation of the National Inva- sive 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 United States.

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

### **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

### **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

### **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

# G-M Regulatory Projects



**USCG 1998-4302  
Handling of Class  
I (Explosive) Ma-  
terial 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) 267-2498

**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). Comments due Aug. 30, 1999. Public meeting to be held Aug. 12 and 13 in Houston (64 FR 31994).

CONTACT: LT Michael Roldan, Tel.: (202) 267-0106

**USCG 1998-4399  
Automatic Identi-  
fication System  
Carriage Require-  
ment; Vessel Traf-  
fic 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. Ed LaRue, Tel.: (202) 267-0416

**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.

CONTACT: Mr. Robert Spears, Tel.: (202) 267-1099; or Mr. Allen Penn, Tel.: (202) 267-2997

**USCG 1999-5040  
Safety of Unin-  
spected 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.

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

CONTACT: Mr. James Cratty, Tel.: (202) 267-6742.



# 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. Interim rule being drafted.

CONTACT: Mr. Thomas Jordan, Project Manager, Tel.: (202) 267-0142

## **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

## **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. Submit comments on or before August 16, 1999.

CONTACT: LCDR Brian Tetreault, Tel.: (510) 437-2951



The following is a list of National Fire Protection Association Safety Standards affecting the maritime community. Each Standard listed includes news and points of contact. This list will be updated as new information becomes available.

**NFPA 12  
Carbon Dioxide  
(CO<sub>2</sub>)**

The Coast Guard asked the National Fire Protection Association (NFPA) to develop a section within NFPA 12 to address marine CO<sub>2</sub> systems. The committee has drafted a marine chapter (6), which is contained in the 1999 Request of Proposals (ROP), to be considered at the November 1999 annual meeting in New Orleans.

NFPA POINT OF CONTACT: Mark Conroy, (617) 984-7403

USCG POINT OF CONTACT: Klaus Wahle, G-MSE-4, (202) 267-0256

e-mail: kwahle@comdt.uscg.mil

**NFPA 13  
Automatic  
Sprinklers**

The NFPA has completely revised NFPA 13 to address all aspects of automatic sprinkler system design. At their July 1997 meeting, NFPA Standards Council approved a new project to centralize all requirements pertaining to the design and installation of automatic sprinkler systems into NFPA 13. The new project called for the relocation of those portions of NFPA 24, NFPA 231, and NFPA 231C pertaining to sprinkler systems and fire mains into NFPA 13. Additionally, the project called for the review of all NFPA standards containing sprinkler system requirements to determine how they can best be centralized. The new 1999 edition of NFPA 13 should be available shortly.

NFPA POINT OF CONTACT: Milosh Puchovsky, (617) 984-7408

USCG POINT OF CONTACT: Randall Eberly, G-MSE-4, (202) 267-1444

e-mail: reberly@comdt.uscg.mil

**NFPA 750  
Standards  
on Water Mist  
Fire Protection  
Systems**

The committee responsible for writing NFPA 750 met in May 1999 to take action on the previously submitted proposals for changes to the standard. The final list of amendments is currently being circulated among the committee members for balloting. Final consideration of the modified standard will occur at the Fall 1999 meeting in New Orleans.

NFPA POINT OF CONTACT: Christian Dubay, (617) 984-7435

USCG POINT OF CONTACT: Randall Eberly, G-MSE-4, (202) 267-1444

e-mail: reberly@comdt.uscg.mil

**NFPA 1123  
Code for  
Fireworks Display**

The Coast Guard is working with the NFPA 1123 committee to develop a chapter addressing the safe conduct of outdoor fireworks aboard vessels and floating platforms. The committee met in March to discuss and respond to the public proposals including a draft chapter. The committee's responses to the public proposals were published in the May edition of the NFPA Report on Proposals (ROP). Members of the public, the marine community, the fire service, and the US Coast Guard are encouraged to submit comments on the committee's responses by October 8, 1999. The form is provided on the back of the standard or using NFPA's "Proposals On-Line" at [www.nfpa.org](http://www.nfpa.org) under the Codes and Standards menu item. Within the ROP, a Tentative Interim Amendment (TIA) based on the draft marine chapter has been submitted. If passed, the TIA will establish a new marine chapter in the existing NFPA 1123 to provide guidance for both operators and enforcers of these types of fireworks displays. The Coast Guard is concurrently composing a Navigation and Vessel Inspection Circular (NVIC) to incorporate the TIA with other Coast Guard specific requirements. The committee will meet again in late fall.

NFPA POINT OF CONTACT: Guy Colonna, (617) 984-7435

USCG POINT OF CONTACT: Suzette Hartmann, G-MSE-4, (202) 267-0138

e-mail: shartmann@comdt.uscg.mil

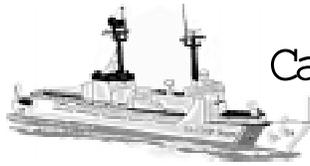
**NFPA 2001  
Standards on  
Clean Agent  
Extinguishing  
Systems**

The Coast Guard asked NFPA to develop a section within NFPA 2001 to address marine clean agent systems. At the December 1998 meeting the committee drafted a revised marine chapter (5) which incorporates recent ROP and Report on Comments (ROC) changes. The changes will be discussed at the July 1999 meeting in Halifax, Canada.

NFPA POINT OF CONTACT: Mark Conroy, (617) 984-7403

USCG POINT OF CONTACT: Klaus Wahle, G-MSE-4, (202) 267-0256

e-mail: kwahle@comdt.uscg.mil



# Calendar of Events

Please note: Events without dates will no longer be published. Courses are not Coast Guard-approved unless otherwise stated.  
Course information is listed in the following order: Sponsor • Dates • Location • Contact  
\* U.S. Coast Guard Approved Course.

## DYNAMIC POSITIONING SYSTEM TECHNICIAN COURSE

Nautronix Technical Training Center • Aug. 23–27, 1999 • 6633 Portwest Drive, Suite 120, Houston, TX  
• Juanita Morales, Tel.: (713) 880-2866, e-mail: [juanita.morales@nautronix.com](mailto:juanita.morales@nautronix.com)

## SURVIVAL CRAFT STCW\*

Sponsored by Texas A&M Center for Marine Training and Safety • Aug. 30–Sept. 2; Sept. 27–30, 1999 •  
Galveston, TX • Cherry Young, Tel.: (409) 740-4893, Fax: (409) 744-2890

## MEDICAL FIRST AID\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Aug. 30–Sept. 3; 13–17; Oct. 25–  
29; Nov. 29–Dec. 3; Dec. 13–17, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.:  
(410) 859-5700, Fax: (410) 859-5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## FAST RESCUE BOAT PROFICIENCY COURSE\*

Sponsored by RTM Star Center • Aug. 30–Sept. 3; 27–Oct. 1; 25–29; Nov. 29–Dec. 3, 1999 • RTM Star  
Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445-4522, Fax: (954) 920-  
4268, Web site: [www.star-center.com](http://www.star-center.com)

## BRIDGE RESOURCE MANAGEMENT\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Aug. 30–Sept. 3; 13–17; 20–24;  
Sept. 27–Oct. 1; Oct. 4–8; 11–15; 18–22; 25–29, 1999 • MITAGS Campus, Linthicum Heights, MD •  
Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## STCW BASIC SAFETY TRAINING\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Aug. 30–Sept. 3; Sept. 20–24;  
Oct. 4–8; 18–22, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700,  
Fax: (410) 859-5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## GMDS PRACTICAL COURSE\*

Sponsored by GSI Marine Training/International Maritime Consultants • Aug. 30–September 3; 13–17,  
1999 • Houston, TX • GSI, Tel.: (281) 542-6000, Fax: (281) 542-6294, e-mail: [training@gsimarine.com](mailto:training@gsimarine.com)

## AUTOMATIC RADAR PLOTTING AIDS (ARPA)\*

Sponsored by Pacific Northwest Radar School • Aug. 30–Sept. 3; Sept. 27–Oct. 1; Oct. 18–22; Nov. 15–  
19; Dec. 6–10; 13–17, 1999 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441-2880, Fax: (206) 441-2995,  
e-mail: [pnwradar@mates.org](mailto:pnwradar@mates.org)

## GMDS\*

Sponsored by GSI Marine Training/International Maritime Consultants • Aug. 30–Sept. 9; 20–30, 1999 •  
Houston, TX • GSI, Tel.: (281) 542-6000, Fax: (281) 542-6294, e-mail: [training@gsimarine.com](mailto:training@gsimarine.com)

## GLOBAL MARITIME DISTRESS & SAFETY SYSTEM (GMDSS)\*

Sponsored by RTM Star Center • Aug. 30–Sept. 10; Sept. 27–Oct. 8; Nov. 1–12; Dec. 6–17, 1999 • RTM  
Star Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445-4522, Fax: (954) 920-  
4268, Web site: [www.star-center.com](http://www.star-center.com)

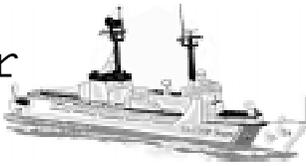
## GMDS\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Aug. 30–Sept. 10; Sept. 13–24;  
Sept. 27–Oct. 8; Oct. 11–22; Oct. 25–Nov. 5, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary  
Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## TANK BARGE PIC\*

Sponsored by Texas A&M Center for Marine Training and Safety • Sept. 6–9, 1999 • Galveston, TX •  
Cherry Young, Tel.: (409) 740-4893, Fax: (409) 744-2890

# Calendar of Events



## RADAR OBSERVER, UNLIMITED\*

Sponsored by Northeast Maritime Institute • Sept. 6–10; Oct. 4–8; Nov. 1–5; Dec. 6–10, 1999 • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767-4025, Fax: (508) 992-9184, e-mail: [carpentr@northeastmaritime.com](mailto:carpentr@northeastmaritime.com)

## FIRE PREVENTION AND CONTROL

Sponsored by NPFVOA Vessel Safety Program • Sept. 7; Oct. 6; Nov. 4; Dec. 7, 1999 • Fisherman's Terminal, Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: [npfvoa@halcyon.com](mailto:npfvoa@halcyon.com), Web site: [www.halcyon.com/npfvoa](http://www.halcyon.com/npfvoa)

## PIC LIQUEFIED GAS—RENEWAL

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Sept. 7–8, 1999 • Port Arthur, TX • Yvonne Bigler, Tel.: (409) 736-2993, Fax: (409) 736-1628

## BRIDGE RESOURCE MANAGEMENT\*

Sponsored by Pacific Northwest Radar School • Sept. 7–9; Oct. 4–6; Nov. 1–3; Nov. 29–Dec. 3, 1999 • Seattle, WA • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, Gregg Trunnell, (206) 441-2880, (206) 441-2995 Fax, e-mail: [pnwradar@mates.org](mailto:pnwradar@mates.org)

## BRIDGE RESOURCE MANAGEMENT\*

Sponsored by RTM Star Center • Sept. 21–23; Oct. 26–28; Nov. 16–18; Dec. 7–9, 1999 • RTM Star Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445-4522, Fax: (954) 920-4268, Web site: [www.star-center.com](http://www.star-center.com)

## FCC ELEMENTS 1 & 7

Sponsored by GSI Marine Training/Martin International • Sept. 7–10; 13–17, 1999 • LaPlace, LA • GSI, Tel.: (281) 542-6000, Fax: (281) 542-6294, e-mail: [training@gsimarine.com](mailto:training@gsimarine.com)

## TANK BARGE FIRE FIGHTING

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Sept. 9–10; 13–14, 1999 • Port Arthur, TX • Yvonne Bigler, Tel.: (409) 736-2993, Fax: (409) 736-1628

## MEDICAL EMERGENCIES AT SEA

Sponsored by NPFVOA Vessel Safety Program • Sept. 10; Oct. 5; Nov. 3; Dec. 8, 1999 • Fisherman's Terminal, Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: [npfvoa@halcyon.com](mailto:npfvoa@halcyon.com), Web site: [www.halcyon.com/npfvoa](http://www.halcyon.com/npfvoa)

## TANKSHIP PIC DL\*

Sponsored by Texas A&M Center for Marine Training and Safety • Sept. 11–15, 1999 • Galveston, TX • Cherry Young, Tel.: (409) 740-4893, Fax: (409) 744-2890

## TANKSHIPS DANGEROUS LIQUIDS (PIC)\*

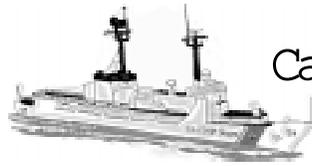
Sponsored by Maine Maritime Academy • Sept. 12–17, 1999 • Castine, ME 04420 • Verge Forbes/Virginia Comiciotto, Tel.: (207) 326-2211, Fax: (207) 326-2218, e-mail: [vcomo@bell.mma.edu](mailto:vcomo@bell.mma.edu)

## STCW BASIC SAFETY TRAINING\*

Sponsored by Northeast Maritime Institute • Sept. 12–18; Oct. 24–30; Nov. 28–Dec. 4, 1999 • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767-4025, Fax: (508) 992-9184, e-mail: [carpentr@northeastmaritime.com](mailto:carpentr@northeastmaritime.com)

## QMED—OILER\*

Sponsored by Northeast Maritime Institute • Sept. 12–Oct. 22, 1999 • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767-4025, Fax: (508) 992-9184, e-mail: [carpentr@northeastmaritime.com](mailto:carpentr@northeastmaritime.com)



## Calendar of Events

### NAVIGATION: COLLISION AVOIDANCE

Sponsored by NPFVOA Vessel Safety Program • Sept. 13; Oct. 13; Nov. 8; Dec. 3, 1999 • Fisherman's Terminal, Seattle, WA • Kasi VerBruggen, Tel.: (206) 285-3383, Fax: (206) 286-9332, e-mail: npfvoa@halcyon.com, Web site: [www.halcyon.com/npfvoa](http://www.halcyon.com/npfvoa)

### BRIDGE RESOURCE MANAGEMENT FOR PILOTS II

Sponsored by Maritime Institute of Technology and Graduate Studies • Sept. 13-14; Oct. 11-22; Dec. 6-7, 1999 • MITAGS Campus, Linthicum Heights, MD • Mike Wein, (410) 859-5700, Fax: (410) 859-5181, e-mail: mwein@mitags.org

### TANKERMAN PIC\*

Sponsored by RTM Star Center • Sept. 13-17; Nov. 29-Dec. 3, 1999 • RTM Star Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445-4522, Fax: (954) 920-4268, Web site: [www.star-center.com](http://www.star-center.com)

### ARPA & RADAR RECERTIFICATION\*

Sponsored by RTM Star Center • Sept. 13-17; Oct. 4-8; Nov. 9-12; Dec. 13-17, 1999; Jan. 10-14, 2000 • RTM Star Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445-4522, Fax: (954) 920-4268, Web site: [www.star-center.com](http://www.star-center.com)

### AUTOMATIC RADAR PLOTTING AIDS (ARPA)\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Sept. 13-17; 20-24; Oct. 4-8; 13-19; 25-29, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org

### ORIGINAL RADAR\*

Sponsored by Pacific Northwest Radar School • Sept. 13-17; Sept. 20-24; Oct. 11-15; Nov. 8-12; 22-26, 1999 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441-2880, (206) 441-2995 Fax, e-mail: pnwradar@mates.org

### BASIC/ADVANCED SHIPBOARD FIRE FIGHTING\*

Sponsored by Resolve Fire & Hazard Response, Inc. • Sept. 13-17; Oct. 11-15; Nov. 8-12; Dec. 13-17, 1999 • Resolve Fire & Hazard Response, 3305 SE 19th Ave., Fort Lauderdale, FL 33316 • Todd Duke, Tel.: (888) 886-FIRE, Fax: (954) 356-5898, e-mail: resolvfire@aol.com

### TRAIN THE TRAINER\*

Sponsored by RTM Star Center • Sept. 13-17; Oct. 4-8; 25-29; Dec. 6-10, 1999; Jan. 24-28, 2000 • RTM Star Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445-4522, Fax: (954) 920-4268, Web site: [www.star-center.com](http://www.star-center.com)

### DAMAGE CONTROL

Sponsored by Northeast Maritime Institute • Sept. 13-17; Dec. 13-17, 1999 • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767-4025, Fax: (508) 992-9184, e-mail: carpentr@northeastmaritime.com

### COMPUTER OPERATING SYSTEMS

Sponsored by Maritime Institute of Technology and Graduate Studies • Sept. 13-17; Oct. 4-8; Nov. 1-5; Nov. 29-Dec. 3, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: admissions@mitags.org

### BASIC SAFETY TRAINING STCW\*

Sponsored by Texas A&M Center for Marine Training and Safety • Sept. 13-17, 1999 • College Station, TX • Cherry Young, Tel.: (409) 740-4893, Fax: (409) 744-2890

### OHMSETT OIL SPILL TRAINING: INCLUDING HAZWOPER SAFETY TRAINING FOR OIL SPILL RESPONDERS

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Sept. 13-17, 1999 • Ohmsett Facility, Navy Weapon Station Earle Waterfront, Rt. 36, Building R-24 Leonardo, NJ 07737; Texas A&M: Tel.: (512) 980-3333, Fax: (512) 980-3337, e-mail: nscs@tamucc.edu; Ohmsett: Tel.: (732) 866-7183, Fax: (732) 866-71889, e-mail: ohmsettnj@monmouth.com

# Calendar of Events



## STCW SAFETY MODULES\*

Sponsored by USMMA Continuing Education • Sept. 13–17, 1999 • USMMA, Kings Point, NY • John Hanus or Meredith Hobbs, Tel.: (516) 773–5162, Fax: (516) 773–5353, e-mail: [hobbsm@usmma.edu](mailto:hobbsm@usmma.edu)

## ARPA\*

Sponsored by USMMA Continuing Education • Sept. 13–17, 1999 • USMMA, Kings Point, NY • John Hanus or Meredith Hobbs, Tel.: (516) 773–5162, Fax: (516) 773–5353, e-mail: [hobbsm@usmma.edu](mailto:hobbsm@usmma.edu)

## GMDSS\*

Sponsored by Pacific Northwest Radar School • Sept. 13–24; Oct. 11–22; Nov. 8–19; Dec. 6–17, 1999 • Seattle, WA • Gregg Trunnell, Tel.: (206) 441–2880, Fax: (206) 441–2995, e-mail: [pnwradar@mates.org](mailto:pnwradar@mates.org)

## GMDSS

Sponsored by Tecscult Eduplus, Inc., Marine Safety and Environmental Protection Training • Sept. 13–24; Sept. 27–Oct. 8; Oct. 18–29; Nov. 22–Dec. 3; Dec. 6–17, 1999 • Metropolitan Place, 99 Wyse Road, Dartmouth, Nova Scotia B3A 4S5, Canada • Captain Roger Day, Tel.: (902) 461 6600, Fax: (902) 461 6601, e-mail: [rday@eduplus.ca](mailto:rday@eduplus.ca)

## GMDSS\*

Sponsored by Training Resources, Ltd. and Mercomms Unlimited • Sept. 13–24; Oct. 18–29; Nov. 8–19; Dec. 6–17, 1999 • San Diego, CA • Ray Addicott, Training Resources, Tel.: (510) 704–8978, Fax: (510) 704–8975

## OUPV AND MASTER NOT MORE THAN 100 GROSS TONS\*

Sponsored by Northeast Maritime Institute • Sept. 13–Nov. 11, 1999 (three evenings per week) • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767–4025, Fax: (508) 992–9184, e-mail: [carpentr@northeastmaritime.com](mailto:carpentr@northeastmaritime.com)

## TOWING SAFETY ADVISORY COMMITTEE (TSAC)

Working group meetings Sept. 15, 1999. Fall Public Meeting Sept. 16, 1999. Public participation is welcomed at all meetings • Coast Guard Headquarters, Washington, DC, rm. 2415 • Jerry Miante, Tel.: (202) 267–0221, Fax: (202) 267–4570, e-mail: [gmiante@comdt.uscg.mil](mailto:gmiante@comdt.uscg.mil)

## PIC DANGEROUS LIQUIDS—ORIGINAL

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Sept. 15–19, 1999 • Port Arthur, TX • Yvonne Bigler, Tel.: (409) 736–2993, Fax: (409) 736–1628

## FISHING VESSEL STABILITY & DAMAGE CONTROL

Sponsored by NPFVOA Vessel Safety Program • Sept. 17; Oct. 8; Nov. 12; Dec. 10, 1999 • Fisherman's Terminal, Seattle, WA • Kasi VerBruggen, Tel.: (206) 285–3383, Fax: (206) 286–9332, e-mail: [npfvoa@halcyon.com](mailto:npfvoa@halcyon.com), Web site: [www.halcyon.com/npfvoa](http://www.halcyon.com/npfvoa)

## BRIDGE RESOURCE MANAGEMENT FOR PILOTS I

Sponsored by Maritime Institute of Technology and Graduate Studies • Sept. 17–18, 1999 • MITAGS Campus, Linthicum Heights, MD • Mike Wein, (410) 859–5700, Fax: (410) 859–5181, e-mail: [mwein@mitags.org](mailto:mwein@mitags.org)

## BASIC SAFETY TRAINING PROGRAM\*

Sponsored by RTM Star Center • Sept. 20–23, 1999 • RTM Star Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445–4522, Fax: (954) 920–4268, Web site: [www.star-center.com](http://www.star-center.com)

## CHEMICAL TANKER SAFETY

Sponsored by Tecscult Eduplus, Inc., Marine Safety and Environmental Protection Training • Sept. 20–24; Nov. 1–5, 1999 • Metropolitan Place, 99 Wyse Road, Dartmouth, Nova Scotia B3A 4S5, Canada • Captain Roger Day, Tel.: (902) 461–6600, Fax: (902) 461–6601, e-mail: [rday@eduplus.ca](mailto:rday@eduplus.ca)



## Calendar of Events

### BRIDGE RESOURCE MANAGEMENT

Sponsored by Texas A&M Center for Marine Training and Safety • Sept. 20–24, 1999 • Galveston, TX • Cherry Young, Tel.: (409) 740–4893, Fax: (409) 744–2890

### ADVANCED FIRE FIGHTING\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Sept. 20–24; Sept. 27–Oct. 1; Oct. 11–15; Nov. 15–19; Dec. 6–10, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: admissions@mitags.org

### TANKSHIP/BARGE DANGEROUS LIQUID CARGO\*

Sponsored by USMMA Continuing Education • Sept. 20–24, 1999 • USMMA, Kings Point, NY • John Hanus or Meredith Hobbs, Tel.: (516) 773–5162, Fax: (516) 773–5353, e-mail: hobbsm@usmma.edu

### OPA 90 QUALIFIED INDIVIDUAL TRAINING PROGRAM

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Sept. 20–24; Nov. 15–19, 1999 • MMA Campus, 101 Academy Drive, Buzzards Bay, MA 02532 • Jane Joska, Tel.: (508) 830–5098, Fax: (508) 830–5018, e-mail: jjoska@mma.mass.edu

### GMDSS\*

Sponsored by Maine Maritime Academy • Sept. 20–30; Oct. 18–28, 1999 • Castine, ME 04420 • Verge Forbes/Virginia Comiciotto, Tel.: (207) 326–2211, Fax: (207) 326–2218, e-mail: vcomo@bell.mma.edu

### GMDSS\*

Sponsored by USMMA Continuing Education • Sept. 20–31, 1999 • USMMA, Kings Point, NY • John Hanus or Meredith Hobbs, Tel.: (516) 773–5162, Fax: (516) 773–5353, e-mail: hobbsm@usmma.edu

### ABLE SEAMAN/LIFEBOATMAN\* (PREREQUISITE: STCW BASIC SAFETY TRAINING)

Sponsored by Northeast Maritime Institute • Sept. 20–Oct. 8; Nov. 1–19, 1999 • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767–4025, Fax: (508) 992–9184, e-mail: carpentr@northeastmaritime.com

### EPA REGION III CHEMICAL EMERGENCY PREPAREDNESS CONFERENCE

Sponsored by U.S. Environmental Protection Agency, U.S. Army, Chemical Manufacturers Association, Maryland Fire and Rescue Institute, and the Regional Response Team • Sept. 20–23, 1999 • Washington, D.C. • Tel.: (877) 804–CEPP, Web site: [www.epacepp.com](http://www.epacepp.com)

### BASIC SAFETY TRAINING—BASIC FIRE FIGHTING AND FIRE PROTECTION

Sponsored by RTM Star Center • Sept. 21; Oct. 19; Nov. 2; Dec. 7, 1999 • RTM Star Center, 2 W. Dixie Hwy., Dania, FL 33004 • RTM Star Center, Tel.: (800) 445–4522, Fax: (954) 920–4268, Web site:

[www.star-center.com](http://www.star-center.com)

### SAFE CARGO HANDLING

Sponsored by NPFVOA Vessel Safety Program • Sept. 21; Oct. 19; Nov. 16; Dec. 14, 1999 • Fisherman's Terminal, Seattle, WA • Kasi VerBruggen, Tel.: (206) 285–3383, Fax: (206) 286–9332, e-mail: npfvoa@halcyon.com, Web site: [www.halcyon.com/npfvoa](http://www.halcyon.com/npfvoa)

### TRAWL DECK SAFETY

Sponsored by NPFVOA Vessel Safety Program • Sept. 22; Oct. 20; Nov. 17; Dec. 15, 1999 • Fisherman's Terminal, Seattle, WA • Kasi VerBruggen, Tel.: (206) 285–3383, Fax: (206) 286–9332, e-mail: npfvoa@halcyon.com, Web site: [www.halcyon.com/npfvoa](http://www.halcyon.com/npfvoa)

### HAZARDOUS MATERIALS TRAINING

Sponsored by National Cargo Bureau, Inc. • Sept. 22–23 (1-day containerization), Charleston, SC; Sept. 13–14, 1999, Honolulu, HI; Sept. 8–9, 1999, Houston, TX; Sept. 22–24, 1999, New York, NY; Sept. 27–28, 1999, San Francisco, CA; Sept. 30, 1999, SFO; Sept. 14–15; Sept. 22, 1999 (1-day containerization), Seattle, WA • Sam Rogers, Tel.: (212) 571–5000

# Calendar of Events



## MARITIME LEGISLATION, REGULATION AND POLICY

Sponsored by Marine Log • Sept. 22–23, 1999 • Washington, DC • Jane Poterala, Director, Tel.: (212) 620-7209, Stacey O'Connor, Tel.: (212) 620-7208, Fax: (212) 633-1165

## FAST RESCUE BOAT IMO STCW\*

Sponsored by Texas A&M Center for Marine Training and Safety • Sept. 22–24; Oct. 13–15, 1999 • Galveston, TX • Cherry Young, Tel.: (409) 740-4893, Fax: (409) 744-2890

## OPA-90 QUALIFIED INDIVIDUAL ANNUAL REFRESHER

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Sept. 23–24; Nov. 18–19, 1999 • MMA Campus, 101 Academy Drive, Buzzards Bay, MA 02532 • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: [jjoska@mma.mass.edu](mailto:jjoska@mma.mass.edu)

## HAZMAT REFRESHER

Sponsored by Miller Environmental Group • Sept. 27; Nov. 19, 1999 • 588 Edwards Avenue, Calverton, NY 11933 • Tel.: (516) 727-2662, Fax: (516) 727-2776, e-mail: [gwallace@nrcxchange.nrcc.com](mailto:gwallace@nrcxchange.nrcc.com)

## COASTAL OIL SPILL RESPONSE AND SAFETY

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Sept. 27–Oct. 1, 1999 • Texas A&M University Corpus Christi • Tel.: (512) 980-3333, Fax: (512) 980-3337, e-mail: [nscs@tamucc.edu](mailto:nscs@tamucc.edu), Web site: [www.sci.tamucc.edu/nscs](http://www.sci.tamucc.edu/nscs)

## HEAVY WEATHER AVOIDANCE COURSE\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Sept. 27–Oct. 1, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## BASIC SAFETY TRAINING\*

Sponsored by Resolve Fire & Hazard Response, Inc. • Sept. 27–Oct. 1; Oct. 25–29; Nov. 15–19; Dec. 6–10, 1999; Jan. 24–28, 2000 • Resolve Fire & Hazard Response, 3305 SE 19th Ave., Fort Lauderdale, FL 33316 • Todd Duke, Tel.: (888) 886-FIRE, Fax: (954) 356-5898, e-mail: [resolvfire@aol.com](mailto:resolvfire@aol.com)

## COASTAL OIL SPILL CONTROL

Sponsored by Texas A&M Center for Marine Training and Safety • Sept. 27–Oct. 1, 1999 • Galveston, TX • Cherry Young, Tel.: (409) 740-4893, Fax: (409) 744-2890

## OSHA GENERAL INDUSTRY TRAIN THE TRAINER

Sponsored by Environmental & Safety Services, Inc. • Sept. 27– Oct. 1, Cincinnati, OH; Oct. 25–29, Atlanta, GA; Nov. 15–19, 1999, Houston, TX • Eric Gislason, P.O. Box 3394, Wilmington, NC 28406, Tel.: (910) 763-6999, Fax: (910) 763-8709

## PETROLEUM TANKER SAFETY

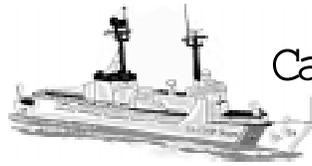
Sponsored by Tecslut Eduplus, Inc., Marine Safety and Environmental Protection Training • Sept. 27–Oct. 1; Nov. 15–19, 1999 • Metropolitan Place, 99 Wyse Road, Dartmouth, Nova Scotia B3A 4S5, Canada • Captain Roger Day, Tel.: (902) 461 6600, Fax: (902) 461 6601, e-mail: [rday@eduplus.ca](mailto:rday@eduplus.ca)

## SHIPBOARD MEDICAL CARE\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Sept. 27–Oct. 22; 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859-5700, Fax: (410) 859-5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## TANKER OPERATIONS I

Sponsored by ABS Group Inc., Government Institutes Division • Sept. 27–28, 1999, Baltimore, MD; Oct. 18–19, 1999, Houston, TX; Nov. 1–2, 1999, Oakland, CA; Dec. 6–7, 1999, New Orleans, LA • Helen Goebel, Tel.: (301) 921-2345, Fax: (301) 921-0373, e-mail: [BKibler@eagle.org](mailto:BKibler@eagle.org)



## Calendar of Events

### MERCHANT MARINE SAFETY ADVISORY COMMITTEE (MERPAC)

Working group meetings Sept. 28, 1999. Fall Public Meeting Sept. 29, 1999. Public participation is welcomed at all meetings, including working group meetings • MEBA School, Easton, MD • Mark Gould, Tel.: (202) 267-6890, Fax: (202) 267-4570, e-mail: mgould@comdt.uscg.mil

### TANKER OPERATIONS II

Sponsored by ABS Group Inc., Government Institutes Division • Sept. 29-Oct. 1, 1999, Baltimore, MD; Oct. 20-22, 1999, Houston, TX; Nov. 3-5, 1999, Oakland, CA; Dec. 8-10, 1999, New Orleans, LA • Helen Goebel, Tel.: (301) 921-2345, Fax: (301) 921-0373, e-mail: BKibler@eagle.org

### AMS ANNUAL MEMBERSHIP MEETING AND AWARD CEREMONY

Sponsored by American Maritime Safety Inc. • Sept. 30, 1999 • Yale Club of New York City • Sharon Miklas, Tel.: (212) 557-9530, Web site: <http://members.aol.com/amsadmins>

### CHEMICAL TANKER SAFETY

Sponsored by Maine Maritime Academy • Oct. 4-8, 1999 • Castine, ME 04420 • Verge Forbes/Virginia Comiciotto, Tel.: (207) 326-2211, Fax: (207) 326-2218, e-mail: vcomo@bell.mma.edu

### TEXAS A&M FRESHWATER/INLAND OIL SPILL CONTROL COURSE

Sponsored by Texas A&M Freshwater/Inland Oil Spill Control Course • Oct. 4-8, 1999 • Galveston, TX • Cherry Young, Tel.: (409) 740-4893, Fax: (409) 744-2890

### PIC DANGEROUS LIQUIDS

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Oct. 6-10; 13-17, 1999 • Port Arthur, TX • Yvonne Bigler, Tel.: (409) 736-2993, Fax: (409) 736-1628

### SHIPS MEDICINE—PERSON IN CHARGE

Sponsored by Maine Maritime Academy • Oct. 10-16, 1999 • Castine, ME 04420 • Verge Forbes/Virginia Comiciotto, Tel.: (207) 326-2211, Fax: (207) 326-2218, e-mail: vcomo@bell.mma.edu

### TANK BARGE FIRE FIGHTING

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Oct. 11-12; 21-22, 1999 • Port Arthur, TX • Yvonne Bigler, Tel.: (409) 736-2993, Fax: (409) 736-1628

### OIL SPILL CONTROL AND RECOVERY (OSCAR)—LAND BASED SPILLS

Sponsored by IMS Environmental Services • Oct. 11-13, 1999 • 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

### OSHA HAZWOPER

Sponsored by Massachusetts Maritime Academy, Center for Marine Environmental Protection and Safety • Oct. 11-15; Nov. 18-19, 1999 • MMA Campus, 101 Academy Drive, Buzzards Bay, MA 02532 • Jane Joska, Tel.: (508) 830-5098, Fax: (508) 830-5018, e-mail: jjoska@mma.mass.edu

### PIC DANGEROUS LIQUIDS—RENEWAL

Sponsored by Two Rivers Marine Training & Consulting, Inc. • Oct. 17-18, 1999 • Port Arthur, TX • Yvonne Bigler, Tel.: (409) 736-2993, Fax: (409) 736-1628

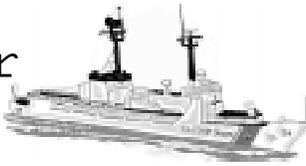
### BASIC AND ADVANCED FIREFIGHTING\*

Sponsored by Northeast Maritime Institute • Oct. 18-22; Dec. 13-17, 1999 • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767-4025, Fax: (508) 992-9184, e-mail: carpentr@northeastmaritime.com

### INLAND OIL SPILL RESPONSE AND SAFETY

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Oct. 18-22, 1999 • Texas A&M University Corpus Christi • Ms. Fran Trevino, Tel.: (512) 980-3333, Fax: (512) 980-3337, e-mail: nsacs@tamucc.edu, Web site: [www.sci.tamucc.edu/nsacs](http://www.sci.tamucc.edu/nsacs)

# Calendar of Events



## OIL SPILL RESPONSE—CONTROL, RECOVERY, AND MANAGEMENT

Sponsored by IMS Environmental Services • Oct. 18–22, 1999 • IMS Environmental Services Training Center, Chesapeake, VA • Phil Biedenbender or Pete Brunk, Tel.: (757) 436–3000, Fax: (757) 549–0990, e-mail: [IMStrain@aol.com](mailto:IMStrain@aol.com)

## MARINE ELECTRICAL BASICS BOOTCAMP

Sponsored by ABS Group Inc., Government Institutes Division • Oct. 18–22, 1999, Houston, TX; Dec. 6–10, 1999, Norfolk, VA • Helen Goebel, Tel.: (301) 921–2345, Fax: (301) 921–0373, e-mail: [BKibler@eagle.org](mailto:BKibler@eagle.org)

## LEARNING FROM MARINE INCIDENTS CONFERENCE

Sponsored by Royal Institution of Naval Architects • Oct. 20–21, 1999 • London, England • Nicola Brotherton, Tel.: 44 (0) 171 201 2401, e-mail: [nbrotherton@rina.org.uk](mailto:nbrotherton@rina.org.uk), Web site: [www.rina.org.uk](http://www.rina.org.uk)

## ASTM COMMITTEE F-20 ON HAZARDOUS SUBSTANCES AND OIL RESPONSE

Sponsored by American Society for Testing Materials • Oct. 25–27, 1999 • New Orleans, LA • Robyn Zelno, (610) 832–9717, e-mail: [rzelno@astm.org](mailto:rzelno@astm.org)

## TANKERMAN FAMILIARIZATION—DANGEROUS LIQUIDS\*

Sponsored by Northeast Maritime Institute • Oct. 25–28; Nov. 22–25, 1999 • Northeast Maritime Institute, 66 Spring St., New Bedford, MA 02740 • Kendall Carpenter, Tel.: (800) 767–4025, Fax: (508) 992–9184, e-mail: [carpentr@northeastmaritime.com](mailto:carpentr@northeastmaritime.com)

## 40 HOUR OSHA/RCRA SAFETY

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Oct. 25–29, 1999 • Texas A&M University Corpus Christi • Ms. Fran Trevino, Tel.: (512) 980–3333, Fax: (512) 980–3337, e-mail: [nscs@tamucc.edu](mailto:nscs@tamucc.edu), Web site: [www.sci.tamucc.edu/nscs](http://www.sci.tamucc.edu/nscs)

## HAZARDOUS MATERIALS COURSE

Sponsored by Maritime Institute of Technology and Graduate Studies • Oct. 25–29, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## MARITIME AUDITOR/LEAD AUDITOR TRAINING

Sponsored by ABS Group Inc., Government Institutes Division • Oct. 25–29, 1999 • Houston, TX • Helen Goebel, Tel.: (301) 921–2345, Fax: (301) 921–0373, e-mail: [BKibler@eagle.org](mailto:BKibler@eagle.org)

## SHIPHANDLING SIMULATOR COURSE\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Oct. 25–Nov. 5, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

## PRACTICAL RESPONSE TO OIL SPILLS: A “REAL WORLD” MANAGEMENT APPROACH

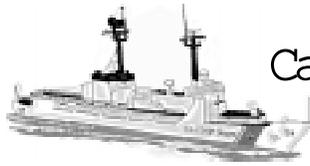
Sponsored by Miller Environmental Group • Oct. 26–28; Nov. 30–Dec. 2, 1999 • 588 Edwards Avenue, Calverton, NY 11933 • George Wallace III, Tel.: (516) 727–2662, Fax: (516) 727–2776, e-mail: [gwallace@nrcxchange.nrc.com](mailto:gwallace@nrcxchange.nrc.com)

## OSHA/RCRA SUPERVISOR

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Oct. 30, 1999 • Texas A&M University Corpus Christi • Ms. Fran Trevino, Tel.: (512) 980–3333, Fax: (512) 980–3337, e-mail: [nscs@tamucc.edu](mailto:nscs@tamucc.edu), Web site: [www.sci.tamucc.edu/nscs](http://www.sci.tamucc.edu/nscs)

## HAZMAT TRANSPORTATION

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Nov. 5, 1999 • Texas A&M University Corpus Christi • Ms. Fran Trevino, Tel.: (512) 980–3333, Fax: (512) 980–3337, e-mail: [nscs@tamucc.edu](mailto:nscs@tamucc.edu), Web site: [www.sci.tamucc.edu/nscs](http://www.sci.tamucc.edu/nscs)



## Calendar of Events

### MEDICAL PERSON IN CHARGE\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Nov. 8–19, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

### FERRIES '99

Sponsored by Marine Log • Nov. 14–16, 1999 • Fort Lauderdale, FL • Jane Poterala, Director, Tel.: (212) 620–7209; Stacey O'Connor, Tel.: (212) 620–7208, Fax: (212) 633–1165

### OIL SPILL MANAGEMENT

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Nov. 15–19, 1999 • Texas A&M University Corpus Christi • Tel.: (512) 980–3333, Fax: (512) 980–3337, e-mail: [nscs@tamucc.edu](mailto:nscs@tamucc.edu), Web site: [www.sci.tamucc.edu/nscs](http://www.sci.tamucc.edu/nscs)

### RADAR OBSERVER RENEWAL, RIVERS, INLAND, AND UNLIMITED ORIGINAL COURSES\*

Sponsored by Maritime Institute of Technology and Graduate Studies • Nov. 15–19; Dec. 6–10, 1999 • MITAGS Campus, Linthicum Heights, MD • Mary Matlock, Tel.: (410) 859–5700, Fax: (410) 859–5181, e-mail: [admissions@mitags.org](mailto:admissions@mitags.org)

### 1999 NATIONAL DREDGING CONFERENCE

Sponsored by The Maritime Association of the Port of New York/New Jersey • Nov. 18–19, 1999 • New York, NY • Web site: [www.nymaritime.org](http://www.nymaritime.org)

### OILED WILDLIFE REHABILITATION

Sponsored by Texas A&M University Corpus Christi National Spill Control School • Nov. 19–20, 1999 • Texas A&M University Corpus Christi • Ms. Fran Trevino, Tel.: (512) 980–3333, Fax: (512) 980–3337, e-mail: [nscs@tamucc.edu](mailto:nscs@tamucc.edu), Web site: [www.sci.tamucc.edu/nscs](http://www.sci.tamucc.edu/nscs)

### CRUDE OIL WASHING AND INERT GAS SYSTEMS

Sponsored by Tecslut Eduplus, Inc., Marine Safety and Environmental Protection Training • Nov. 22–25, 1999 • Metropolitan Place, 99 Wyse Road, Dartmouth, Nova Scotia B3A 4S5, Canada • Captain Roger Day, Tel.: (902) 461–6600, Fax: (902) 461–6601, e-mail: [rday@eduplus.ca](mailto:rday@eduplus.ca)

### SHIPBUILDING DECISIONS

Sponsored by Marine Log • Dec. 7–8, 1999 • Washington, DC • Jane Poterala, Director, Tel.: (212) 620–7209, Stacey O'Connor, Tel.: (212) 620–7208, Fax: (212) 633–1165

#### 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:

<http://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.

MARINE SAFETY NEWSLETTER EDITOR  
US COAST GUARD  
NATIONAL MARITIME CENTER  
4200 WILSON BLVD., SUITE 510  
ARLINGTON, VA 22203-1804

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CORRECTION REQUESTED**