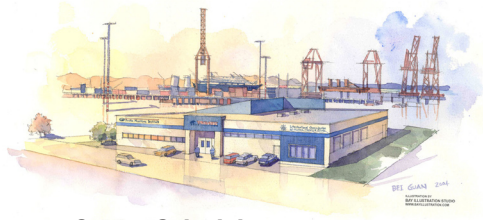


NEW COURSE ANNOUNCEMENT



Course Schedule

Pacific Maritime Institute (PMI)

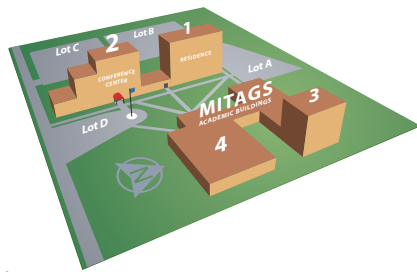
(Seattle, WA)

April 15-16, 2009

May 27-28, 2009

June 23-24, 2009

Contact Gregg Trunnell at (206) 838-7422 or via email at gtrunnell@mates.org for more information.



Maritime Institute of Technology & Graduate Studies (MITAGS)

(Linthicum, MD)

May 27-28, 2009

June 16-17, 2009

July 29-30, 2009

Contact Captain Bob Becker at (443) 989-3235 or via e-mail: rbecker@mitags.org for more information.

INTRODUCTION TO ENVIRONMENTAL REGULATIONS IN THE MARITIME INDUSTRY / EPA GENERAL PERMIT FOR COMMERCIAL VESSELS

1 or 2 DAYS (8 hours each - Day 1 is prerequisite for Day 2)

What You Will Learn:

With the introduction of the Vessel General Permit the EPA has captured an estimated 70,000 additional regulated units that have previously been exempt from permitting requirements in U.S. waters. This new universe of permittees, while previously subject to many international, national, State and Local requirements, will be challenged to understand, incorporate and manage a new set of requirements on discharges previously unregulated by the EPA in the brief time granted for implementation by the permit.

A Clean Water Act permit is a unique regulatory tool with which commercial vessel operators have little to no experience. Training will be required not only on the specific requirements of this permit, but also on the environmental aspects of vessel operations, reading and interpretation of the Vessel General Permit, monitoring, recordkeeping and reporting, notification requirements, notice of intent as well as other aspects of permit implementation.

The course is designed in two one-day modules. The first day is an introduction to the environmental aspects of vessel operations and the basic structure of the marine international and federal regulatory environment. This module is intended to give vessel operators a broad perspective on the potential environmental impacts of their operations in order to gain a greater appreciation for why the permit has been required. This section will cover MARPOL and US Coast Guard Act to Prevent Pollution from Ships requirements, focusing principally on bilge water, ballast water, gray and blackwater as well as air pollution prevention requirements under international and federal law. Vessel General Permit requirements for these discharges will be covered, however the more complete discussion on the vessel general permit will be expanded upon in the second day of the class.

Module 2 consists of one day devoted specifically to the permit. Each student will be provided a copy of the vessel general permit, and much of the class will involve discussion and analysis of permit language focusing on how requirements will apply to specific vessels operated by the students. Several classroom exercises will reinforce key learning concepts while catering to the more active learning demands of the adult student. Specific requirements for permit administration will be covered, providing the student with insight into the management systems necessary to assure compliance. The class will focus on effluent limitations, corrective actions, monitoring recordkeeping and reporting. The importance and implications of certification statements will be emphasized. Classroom discussion and activities will be intended to lead the student through active learning exercises in applying permit concepts to their operations.

Course Design, Methodology and Objectives:

The course is designed as a 16 hour instructor led training for operators subject to the Vessel General Permit. The course will be delivered principally with power point presentations supplemented with brief in class reading and/or student exercises focusing on permit application and administration. As the primary audience will be adult learners, the emphasis will be to provide an introduction to the

NEW COURSE ANNOUNCEMENT

INTRODUCTION TO ENVIRONMENTAL REGULATIONS IN THE MARITIME INDUSTRY / EPA GENERAL PERMIT FOR COMMERCIAL VESSELS

principals of each module, followed by interactive learning opportunities, including class discussion and student exercises to emphasize key learning concepts.

Course objectives are as follows: by the end of the course the student will be able to:

- Describe the major environmental aspects of marine vessel operations
- Explain the relationship between MARPOL, flag state, and port state environmental requirements
- List the principal requirements of MARPOL Annex I, IV, V and VI as they relate to vessel operations
- List the areas in which their vessel operations are subject to the Vessel General Permit
- Identify the effluent limitations applicable to the vessels they operate
- Describe the required corrective action process and corrective action time tables applicable to a variety of potential permit discrepancies
- Present a general plan for compliance with the vessel inspection requirements of the General Permit
- List the required records of the permit
- Complete a draft Notice of Intent for submission to EPA for coverage under the Vessel General Permit.

Summary of Developer Experience

With over twenty years experience in the environmental management field, Jonathan Turvey has focused on management systems as a means of compliance and continuous improvement. After serving five years with the Environmental Protection Agency, Jon joined The Boeing Company and performed a variety of environmental management capacities in his fourteen years there, including training, auditing, hazardous waste management, and as a manager of twelve persons responsible for hazardous waste, air pollution control and regulatory reporting.

In earning an MBA from Seattle University with an emphasis on management, Jon has focused in implementation of management systems for environmental programs using a quality management based approach centered on the Plan-Do-Check Act principles of W. Edwards Deming. Jon has employed lean manufacturing principles and administration as a means of merging operational efficiencies with environmental protection. Jon places a particular emphasis on implementation of effective measurement systems to drive organizational focus and continuous improvement.

Since 2003, Jon has served with a major marine vessel operator, the last four years as the Senior Manager for Auditing, ISO 14001 Coordination and Training. Jon led the team in a successful drive to implement an ISO 14001 environmental management system, achieving certification from Lloyd's Register Quality Assurance in 2006.

Recent efforts have focused on the emerging programs at both the State and Federal level in which vessels are subject to water quality permits, as well as air quality issues relating to maritime vessel emissions. Jon was the principal author of comments on the Alaska Department of Conservation Passenger Vessel Permit, the EPA Draft Assessment of Cruise Vessel Discharges, and Cruise Industry comments on the EPA Vessel General Permit.