



## Approach

BlueWater has been serving a wide range of clients since 1990 in a variety of projects, specializing in the development of Health, Safety, Hazardous Waste Operations, Emergency Response and Environmental Compliance Training.

### *Our approach is simple*

*- to provide a customized, quality and cost effective support for our clients.*

Because of our adherence to this simple philosophy BlueWater has extensive experience with applying regulatory training standards to the specific needs of our clients. Not only do BlueWater courses comply with regulatory standards but they also apply directly to the business and work requirements of our clients. This approach requires us to team closely with your staff to review your operations and maintenance activities, to review and include your policies and procedures training and to incorporate features of the equipment and facilities used by your organization into our course material.



Thus, BlueWater can provide complete one-stop training for your Environmental, Health, Safety, and Emergency Response training needs. We offer flexible training solutions - experienced local instructors for all topics and BWeb remote training. We focus on tailored training and emphasize training management that is “Customer Oriented.” We promote and maintain close ties and coordination with the customer throughout the training design, class instruction, and training completion.

### Advantages:

Our goal is to assist **your** Emergency Readiness and to ensure regulatory compliance. BlueWater strives for solutions that are **INNOVATIVE, PRACTICAL** and **COST-EFFECTIVE**.



- We have broad base of experience and talents to meet your study needs with just the right mix and expertise.
- We have Specialists in Safety, Environmental, and Emergency Response Specialists.
- We blend and work closely with your local facility personnel.
- We have local specialists able to provide timely support.
- We provide solutions that are innovative and cost effective.

Learn more about the **BlueWater Team** and our capabilities at [www.blue-h2o.com](http://www.blue-h2o.com).

## PROCESS SAFETY MANAGEMENT:

The Process Safety Management (PSM) standard - 29 CFR 1910.119 - is intended to prevent or minimize the consequences of a catastrophic release of toxic, reactive, flammable or explosive Highly Hazardous Chemicals (HHC's) from a process. Clients included: Santa Fe Pacific Pipeline/Kinder Morgan Pipeline, Unocal's Rodeo Refinery, Oil Terminals, Tosco's Martinez



## Process Safety Management Support

Refinery and numerous other petroleum facilities. BlueWater Below is a select list of relevant PSM experience:

<b>1. Process Safety Information:</b>	BlueWater has compiled written process safety information (PSI) including hazard information on HHC's, technology information and equipment information on covered processes as part of their initial compliance with the standard in 1993.
<b>2. Employee Participation:</b>	Developed PSM committees with employees and their representatives on the conduct and development of process hazard analyses and on the development of other elements of process safety management standard.
<b>3. Process Hazard Analysis:</b>	Managed or participated in over 100 PHA's for a variety of processes. Most recently in the <b>Aerospace</b> industry with HHC lathing for the production of titanium parts for aircraft and rocket manufacturing.
<b>4. Operating Procedures:</b>	Participated in developing operating policies and procedures with an emphasis on safety and health considerations, safety systems and their functions; Lockout/Tagout, confined space entry, hot work and emergency response procedures.
<b>5. Training:</b>	Developed employee PSM training programs that included an overview of the process. This training emphasized specific safety and health hazards, emergency operations and safe work practices. BlueWater has developed specific PSM training programs for contractors that are similar to the employee training requirements.
<b>6. Pre-startup Safety Review:</b>	BlueWater <b>has</b> participated in safety reviews for new facilities and processes as called for by the standard.
<b>7. Mechanical Integrity:</b>	Requires the on-site employer to establish and implement written procedures for the ongoing integrity of process equipment particularly those components which contain and control a covered process.
<b>8. Hot Work:</b>	As safety engineer in a refinery and process facilities has written hundreds of Hot Work permits during both routine operations and during shutdowns. In accordance with the standard, How Work permits must be issued for hot work operations conducted on or near a covered process.
<b>9. Management of Change:</b>	The standard requires the implementation of written procedures to manage changes except "replacements in kind" to facilities that affect a covered process.
<b>10. Incident Investigation:</b>	BlueWater has participated and developed Accident Investigation procedures as they pertain to the standard. The standard requires immediate investigations by an investigation team, including at least one person knowledgeable in the process involved, (a contract employee when the incident involved contract work) and others with knowledge and experience to investigate and analyze the incident.
<b>11. Emergency Planning and Response:</b>	As Emergency Response Coordinators, we have extensive experience developing written emergency response procedures in accordance with the PSM standard. BlueWater has veteran emergency responder and instructor
<b>12. Compliance Audits:</b>	Compliance Audits are <b>also</b> a requirement of the standard and call for employers to certify that they have evaluated compliance with process safety requirements at least every three years. BlueWater has assisted many clients to meet their compliance audit needs.