PROCESS SAFETY MANAGEMENT

A Leading Practice Approach to Eliminate or Reduce Process Incidents in Your Company

BUSINESS CHALLENGE

The BP Texas City 2005 incident, among others, highlighted the need for management to focus on reducing risk over a company's life time. Companies that can validate all of their PSM activities are best in class, thereby eliminating or minimising the potential for a process upset, will have a significant advantage in the market place.

SOLUTION

Process Safety Management - What is it?

"The application of management systems for the identification, understanding, and control of process hazards to prevent process related injuries and incidents." (Centre for Chemical Process Safety (CCPS)

Bureau Veritas' PSM services are aimed at building-in value for our clients around the concept of managing the safety of processes via a risk based process safety approach.

Risk Based Process Safety

Commit To Process Safety

Cornerstone of process safety excellence - if process safety is seen as a core value people will tend to do the right things, in the right ways, at the right times (even when no-one is looking

Understand Hazards & Risk

Foundation of PSM - prioritising allocation of resources

Manage Risk

1. Operate and maintain processes that pose risk
2. Manage changes to processes within risk tolerances
3. Prepare for, respond to and manage incidents that do occur

Learn From Experience

Experience includes leading and lagging process safety indicators as well as incidents - adaptive organisation

Our PSM services can be tailored to specific business objectives, from the generic element approaches of PSM, to those PSM frameworks mandated by European and American authorities.

Whilst most companies will develop their own customised PSM methodologies, by way of example we can offer PSM services to facilitate development and implementation of any of the following PSM requirements.

1. Accountability: Objectives and Goals
2. Process Knowledge and Documentation
3. Capital Project Review and Design Procedures (for new and existing facilities, expansions and acquisitions)
4. Process Risk Management
5. Management of Change
6. Process and Equipment Integrity
7. Human Factors
8. Training and Performance
9. Incident Investigation
10. Standards, Codes and Laws
11. Audits and Corrective Actions
12. Enhancement of Process Safety Knowledge

KEY BENEFITS

What are the key benefits?

Enabling consistency of approach across a facility and a company. This allows every person to identify hazards and determine what is needed to ensure risk is managed and the potential for major events to occur is minimised. Benchmarking across all elements of a PSM program allows identification of the improvement areas required over time and facilitates monitoring of progress achieved. This approach can also be used for internal and external stakeholder needs.

RELATED **SERVICES**

- HAZID and HAZOP
- Process Hazard Analysis
- SIL Assessments
- Fire and Explosion Assessments
- Hazardous Area Classification
- Layers of Protection Analysis (LOPA)
- SIMOPS
- Safety Cases
- Emergency Response Plans

WHY CHOOSE BUREAU VERITAS?

Recognition Founded in 1828, Bureau Veritas is a world leader specialising in conformity assessment services related to Quality, Health, Safety & Environment (QHSE).
Certified to ISO 9001 for all of its activities globally, Bureau Veritas is well known for its ability to adapt to changing client environments and situations and for its commitment to providing leading solutions through quality service.

Knowledge & Expertise Through expert local teams and technical knowledge, Bureau Veritas are able to deliver packaged and targeted solutions and information, to support our clients' unique business requirements.

Network With a global network of over 900 locations in more than 140 countries, Bureau Veritas provides tailored solutions to clients throughout the world across a diverse range of industries.

CONTACT

For details about this service, please contact
Risk Management Services Aus & NZ
Phone Australia:
Melb HQ: + 61 (0) 3 9922 0700
Perth: + 61 (0) 8 9481 0100
Phone New Zealand: + 64 (09) 526 4546

FOR MORE **INFORMATION**

Please Visit: www.bureauveritas.com.au
Email: bvaus@au.bureauveritas.com

RISK_0311