



INDUSTRIAL PROCESS SAFETY QUALIFICATION

**GAIN INTERNATIONAL HEALTH & SAFETY QUALIFICATION FOR WORKING IN THE
REFINERY, OIL & GAS, OFFSHORE AND PETROLEUM & PROCESS INDUSTRIES**

COURSE DESCRIPTION

This four-day intensive course enables participants to develop the necessary expertise to support an organization's Health & Safety initiative within the Oil & Gas, Offshore, Petrochemical, natural gas and production industries. This flagship qualification is customized to also identify the human and organizational causes of accidents by evaluating and analyzing some of the major catastrophic accidents throughout the Oil & Gas industry. This highly interactive workshop also features video case studies for some of the major accidents which are used throughout the four days and linked to key areas of this Safety Program.

COURSE AGENDA

DURATION: 4 DAYS

DAY 1 HEALTH AND SAFETY AT WORK

Element 1 – Foundations of Health and Safety
Element 2 – Responsibility for Health and Safety
Element 3 – Health and Safety Risk Assessment & Control
Element 4 – Hazards associated with Work Equipment
Element 5 – Transport Safety
Element 6 – Hazards with Working with Electricity
Element 7 – Fire Safety



Macando Deep Water Horizon Blowout
on 20th April 2010 Killing 11 persons
The largest oil spill in US history and
the worst environmental catastrophe
to date

DAY 2 PROCESS SAFETY 1

Element 8 – Hazards and Controls associated with
Manual Handling and Repetitive Movement
Element 9 – Hazards with Hazardous Substances
Element 10 – Hazards in the Working Environment
PS/Element 1 - Foundations of Process Safety
PS/Element 2 – Systems to Prevent Loss of Containment



Explosion at Tesoro's Refinery Washington

April 2nd 2010 Killing 7 workers, the
largest loss of life in a US Refinery
since 2005

DAY 3 PROCESS SAFETY 1

PS/Element 3 – Common Hazards, Risk and
Controls in the Chemical Industry
PS/Element 4 – Plant Integrity
PS/Element 5 – Emergency Response



BP Texas City Explosion

on 23rd March 2005 Killing 15 persons
and injured 180 during a series of
explosions at the refinery in Texas city
Texas.

DAY 4 PROCESS SAFETY 2

Element 1 – Foundations in Environmental Management
Element 2 - Control of Emissions
Element 3 - Environmental Risk Assessment (Impact
assessment)



Bhopal India Pesticide Plant Explosion

on 2nd December 1984 Killing 3800
persons immediately and thousands
more in the following weeks.

DAY 4 DVD Workshop featuring Professor Andrew Hopkins
INDUSTRIAL Process Industry Examination via 60 Multiple Choice Questions

"Creating a Mindful Organization" DVD workshop featuring Professor Andrew Hopkins

Professor Hopkins is a world authority on the subject of industrial accidents and their organizational and cultural causes. This workshop features Mr. Hopkins analyzing the causes of major and catastrophic accidents with a particular focus on "Acting on Warning Signs" which is deeply rooted in the company's beliefs and Safety Culture. The following topics forms the basis of the workshop for discussion and related activities. The Space Shuttle disasters Challenger 1986 and Colombia 2003, the 1998 Esso Longford, 1996 Gretely Coal-mine and other major disasters are referenced as case studies.

1. HRO (High Reliability Organizations)
2. Collective Mindfulness
3. Culture of Denial "Beliefs"
 - Ambiguous Warning Signs
 - Intermittent Warning Signs
 - Examples of Normalization
 - The Onus of Proof Approach
4. Culture of Denial "Group Think"
5. Reporting System



This is a highly interactive session, delegates will be given workbooks, reference materials and issued with a certificate of participation for this workshop. The Industrial Process Safety exam will be taken after this workshop.

TARGET AUDIENCE

Health & Safety Advisors and Experts
Process Engineers
Plant Operators
Managers/ Supervisors
Strategic Decision Makers
Safety Managers
Risk Managers
Plant Managers
Middle to Senior Management

TARGET SECTOR

Oil & Gas
Offshore
Refining Upstream and Downstream
Natural Gas
Production
Petrochemical
Process Plant
Risk Management

ADDITIONAL INFO Cost:

\$1,000 USD (*Limited special offer*)

Group rates available

Certification:

1. Industrial Process Safety
2. Workshop Certificate of Attendance

Booking:

Ms. Nadia Latchana

(+592) 647-3114 or

Email: nadia@streamlinehse.com

Facilitator Mr. Everol Wilkie "Ph.D Can"



Mr. Wilkie is a Certified Petroleum Safety Specialist holding a BSc in Engineering (Industrial Management). Mr. Wilkie is an ANSI, NEBOSH and IOSH approved lecturer with over 15 years experience as an HSE professional in the Oil & Gas Sector.

He is a member of both the Institute of Occupational Safety & Health (UK) and the International Association of Safety Professionals (US). He is also the author and publisher of international book titled "Implementing Safety Management Systems"

Internationally Accredited Certificate



The International Association of Safety Professionals is a well known accredited training institute providing specialist, HSE programs which targets

the Oil & Gas/ Petrochemical and Offshore Industry. Located in the USA. ISAP's respected and reputable Industrial Process Safety qualification will demonstrate indepth knowledge as it relates to HSE in the high hazard industries. Delegates will also receive an additional certificate in "Corporate Safety" for the additional DVD workshop on the last day.