



INCIDENT INVESTIGATION TRAINING

Incident Investigation is a critical aspect of any safety program. When accidents happen, we must learn from them to keep them from happening again. The ability to learn from accidents and near-accidents is vital to improving both safety and operability. This program will prepare participants to understand the nature of accidents, determine their causes, and prevent future occurrences. Several case studies, many of which the program faculty has personally investigated, will be discussed to emphasize points and allow attendees to practice their skills.

The program faculty has conducted numerous incident investigations in industry and for the U.S. government, and has a vast amount of knowledge and experience in the area of investigations. At the end of the workshop, participants will have a clear understanding of how to conduct incident investigations for all types of accidents and how to focus efforts to prevent future problems. The resources provided will equip attendees to create systems that are necessary for achieving zero incidents. Attendees will get to practice their skills by conducting several real life exercises, which will provide them with further knowledge and confidence in the procedures.

The program is designed for managers, process engineers, safety professionals, operators, auditors, and other individuals in manufacturing settings who want to know how to conduct effective incident investigations. Individuals in academia, government or other positions who want to know more about incident investigations will also benefit from the program.

PROGRAM CONTENT

- How to develop effective incident investigation systems that can be smoothly integrated into existing management programs in large or small organizations.
- How to define near-misses.
- How to analyze accident trends and take proactive steps to prevent future problems.
- How to determine root and contributing causes of accidents using various methods, and to choose an appropriate method depending on the nature of the accident.
- How to secure, collect, and analyze evidence and testimony, including effective interviewing techniques.
- How to make cost-effective recommendations and follow them to completion.
- How to tailor investigation techniques to cover environmental, safety, health quality, and productivity mishaps.
- How to report findings and observations.

- Aspects of human factors to consider in Incident Investigations.

PROGRAM FACULTY

Karl Kolmetz has over 25 years of experience in the areas of design, construction, commissioning, and operations management of process units from the U.S. Gulf Coast to Alaska to Asia. He has a strong background in a wide variety of chemical process technologies and product categories, with more than 16 years of experience in refining and 12 years in petrochemicals processing. Currently, he is the General Manager for KLM Technology Group where he is responsible for process studies, design, and troubleshooting of process units. Karl has authored or co-authored over 35 articles on petrochemical and refinery operations in the areas of equipment design, operation, and troubleshooting. He holds a B.S. degree in Chemical Engineering from the University of Houston.

Stephen J. Wallace PE, CSP, has several years of experience in the chemical and petrochemical industries working with a variety of process technologies. He has been an operations manager in the chemical industry where he oversaw production. As a manager of health and safety, he oversaw the development and implantation of comprehensive process safety programs, including emergency response. The facilities where he worked won numerous awards and were designated among the safest facilities in the U.S. by the Occupational Safety and Health Administration. As a safety consultant, he has assisted numerous companies in developing comprehensive safety programs, and has audited several facilities in the USA and abroad. He has given several presentations and written numerous articles on the subject of health and safety that have been published in a variety of journals. He holds a B.S. degree in Chemical Engineering, and is a Certified Safety Professional Engineer, licensed in multiple states in the USA.