



## NORTH AMERICAN STANDARDS ASSESSMENT CORP

### LNG Essentials

**Includes North American Regulatory requirements with comparatives between CSA Z276, ASME/BPVC and NFPA 59A**

**Critical Concepts Training – Two Day Seminar – \$ 1298**

(Course Cost \$1298. The CPAC qualification exam can be written immediately following the training. The fee for the LPG concepts qualification examination and registration is \$300)

#### Seminar Overview

This two day seminar is essential for anyone involved in the North American LPG industry. This course provides participants with a clear understanding of the regulatory requirements in the application of the codes and standards as well their legal compliance obligations, weather supplying goods, providing services or operating a facility. Areas of Study include design, construction, QC, inspection, operations or maintenance. This training provides a comprehensive knowledge base for the scope, definitions and mandatory application of CSA, NFPA and ASME requirements. The training provides concept identification with direct reference to NEB as well as DOE and FERC regulatory requirements. Provincial, State, local and offshore requirements are addressed. This course provides the necessary background and prerequisite to enable participants to proceed with intermediate and advanced level training.

#### Learning Objectives

This two day course provides participants with an overview of the North American LPG Requirements. Upon completion participants will:

- Understand the Regulatory mandates under Federal, Provincial and State legislations.
- Understand the LNG system concepts including gathering, compression, loading and unloading and regasification.
- Understand the Environmental implications in location selection.
- Understand the Design requirements contained in the CSA Z276/NFPA 59A and Pressure Vessel codes.
- Understand the Construction requirements for plants and loading/unloading facilities.
- Understand the Minimum requirements and concepts for facility operation and maintenance.
- Understand the Management System and document control requirements for the LNG lifecycle.
- Understand the Competence of Personnel and traceability requirements.

All Participants will receive a Certificate of Completion and CEU credits.

#### Agenda

Doors open at 7:40 am with coffee and tea offered. Training is from 8:00am - 4:30pm on day 1 and 8:00 - 3:30 on day 2. Each day and includes 2 coffee breaks and a catered lunch is provided. The course will address the following:

- Introduction and History of LNG
- Regulatory Structure – Canadian and US systems Scorecard and Mandatory Requirements
- Management Systems – concepts and legal application requirements
- Location Selection
- Design, Materials and Procurement requirements
- Construction, Inspection and Testing protocols
- Commissioning protocols
- Operation and Integrity and Maintenance concepts
- Supplementary administrative and technical requirements
- International overview
- Day-2, 1 hour (3:30-4:30) CPAC Level 1 Exam. (optional) Minimum pass mark 70%

In order to execute compliant services in the North American Oil and Gas industry, companies require personnel to be trained and qualified with a functional knowledge of both the regulatory and technical requirements. This course contains the minimum regulatory requirements for LNG production, storage and handling. It is essential to anyone who must demonstrate competency in the North American Oil and Gas sector.

#### Assessment Method

The course includes interactive team-based exercises and discussion throughout for added learning value and retention. This course of study is acceptable preparation to write the CPAC Level 1 LNG Concepts and Content exam.

#### About the Trainer

William (Bill) Simpson is a Professional Trainer and Speaker who is internationally recognized as a subject matter expert in the Oil and Gas Industry. Formerly Chief Inspector for an Authority Having Jurisdiction in Alberta, his career experience also includes several years as a Product Certification Specialist and External Auditor with CSA-International. Bill actively participates on several CSA, ISO, CPAC and IEC Committees specifically addressing Pipeline and Hazardous Location requirements for the Oil and Gas sector. Bill's students have received the highest pass marks on National Pipeliner Qualification Exams for 3 consecutive years.

#### Who Should Attend

This course is designed to provide practical understanding of the content and application of the CSA Z276-18 LNG, NFPA 59A and Pressure Vessel codes and standards for the design, construction and operation of LNG facilities in North America. Training includes references to ISO standards as appropriate. The course is critical for anyone working in the LNG sector in the Canada or the US. It is essential to provide a common knowledge base for Directors, Managers, Engineers, Technologists, Welders, Construction personnel, QC personnel and Inspectors.

#### Course Materials Included:

- Course Workbook

#### Prerequisites

None

#### On-Site Training Available

This course can be provided at your location and is suitable for customization to meet your corporate training program requirements.

#### For More Information:

##### Online

[www.theothernasa.com](http://www.theothernasa.com)

##### Email

[info@theothernasa.com](mailto:info@theothernasa.com)

##### Call

780.862.6272