



New!

Introduction To Natural Gas Transmission

Self Study Course

Sponsored by: SGA Transmission Technical Training Committee

The new Introduction to Natural Gas Transmission self study course is now available. This new version is completely updated and features an easy to read format. “Key terms” and “terms being defined” are identified with icons and definitions can be found in the glossary. The self study is filled with examples to assist the learner in understanding the material. Each chapter begins with an introduction outlining the material, and ends with a “self-check” summarizing its important concepts. Over one hundred pictures and graphics are also included to make the learning experience more effective.

Purpose of This Book

This book will introduce the reader to the natural gas transmission industry. It is intended for employees new to the natural gas industry, although it will also be helpful for others with an interest in an overview of the industry.

List of Chapters

The Natural Gas Industry:	Overview, structure of the industry, regulations, ratemaking, deregulation
Characteristics of Natural Gas:	Composition, pressure, temperature, gas laws, base conditions and units of measure
Natural Gas E & P:	Origins, formations, exploration geology, leases, drilling, offshore, well completion
Gas Processing:	Conditioning, separation of fluids, sweetening, dehydration, odorization, quality
Pipelines and Transmission:	Production and market areas, transportation, pipeline design, safety, maintenance
Compressor Stations:	Yard piping, main units, engines, compressors, auxiliary building, emissions
Natural Gas Storage	Why it is needed, underground storage, aquifers, salt formations, LNG
Transportation and Services:	Open access, tariffs, types of transportation and service, contracts, measurement
Gas Control:	Assuring continuity of service, lowest operating costs, operating plans
Uses off Natural Gas:	History of U.S. energy use, consumption, categories of use, environmental impact

List of Appendices

History of Natural Gas Transmission in the United States
The Cannonball Diary (a non-technical discussion of drilling operations)
Building a Natural Gas Pipeline
Natural Gas Reserves

The SGA Transmission Technical Training Committee has sponsored this project since 1987 and in 1998, because of the dynamic industry the natural gas industry is, identified a need to completely revise and update this material. This self study is 297 pages in length and comes in a 3-ring binder. It explains in easy to understand terms, how natural gas is produced and moved from wellhead to burner tip.

Copyright Information

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Questions and How to Order

Complete the attached order form and fax it back to SGA at 972/620-1613. If you have questions, please contact Pat Turman, SGA (972/620-4022; pturman@southerngas.org).

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