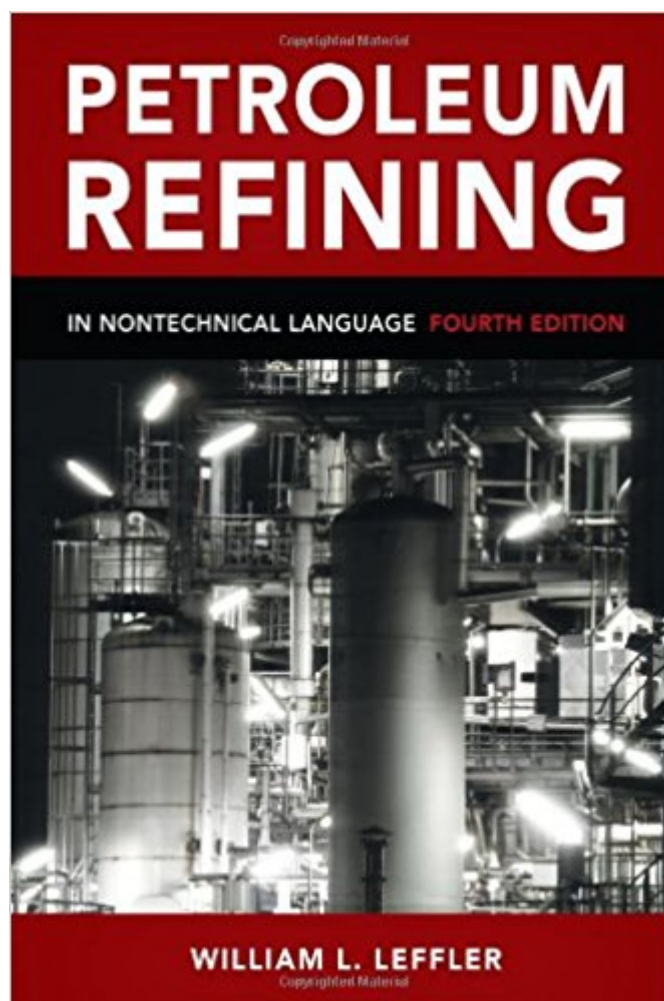


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# Petroleum Refining In Nontechnical Language



## Synopsis

William Leffler's *Petroleum Refining in Nontechnical Language, Fourth Edition* is designed to give the reader an overview of key refining topics by using relevant analogies, easy-to-understand graphs, formulas, and illustrations. New to this edition is important information on the nature of crude oil and raw materials and a comprehensive discussion on what sets crude oil and oil products price differentials. Also new is a chapter on lubricants as well as the latest technologies employed by refiners. Each chapter was carefully written in nontechnical language to give the reader a basic understanding of the refining industry. The book can be used for self-study, as a classroom textbook, or as a quick reference.

## Book Information

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## Customer Reviews

William L. Leffler received his BS from M.I.T. and masters and doctorate degrees in business administration from New York University. Following his career with Royal Dutch/Shell in the upstream, downstream, and petrochemicals business, he became a writer and consultant. He has authored multiple PennWell titles including the bestselling *Petroleum Refining in Nontechnical Language* (2000), *Petrochemicals in Nontechnical Language* (2001), and *Deepwater Petroleum Exploration & Production: A Nontechnical Guide* (2003).

Very Good overview of petroleum refining. Well written. I would recommend it, as an introduction text, for every engineer working in an oil refinery. However, it is not written for process engineers

looking a technical book, as the process engineering concepts are not covered and sometimes incorrect. For example, Leffler states that "the perforations permit the vapors to rise through the column and the liquids to fall" to explain how distillation perforated trays work. Liquid flow through the perforations has to be avoided (this is called "tray dumping").

Good reading for the interested.

If you are new to Refining, or just curious, this book is an excellent place to start. The author makes the subject very approachable for lay people and engineers new to refining. The book starts out with a description of the physical separation processes of distillation and vacuum flashing, and then moves carefully into the processes that require chemical reactions. No need to be a chemistry whiz; the author keeps the principles understandable. Highly recommend. Now if the publisher would only come out with a Kindle edition!

Written in clear language. This is my go-to book when I want to introduce new engineers to the details of oil refineries. Each of the refinery unit descriptions are very informative - without having to be a petroleum engineer to understand them. Cat crackers, vacuum unit, reformers, cokers, hydrotreaters, SRUs, it has them all. Way to go Mr. Leffler!!!

Exactly as advertised. A perfect introduction to refining for someone who needs to know the reasons why all the different equipment is needed and the high-level chemistry.

Good book for the non-technical person. Engineers who want to learn more in depth content may want to get something more complex and technical.

Takes the different processes and breaks them down into terms that lay people can use and understand. A copy was purchased for every control room in our unit

Loved the speed it shipped! Great book! Price was great also, couldn't be more pleased. I would recommend it to anyone!

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