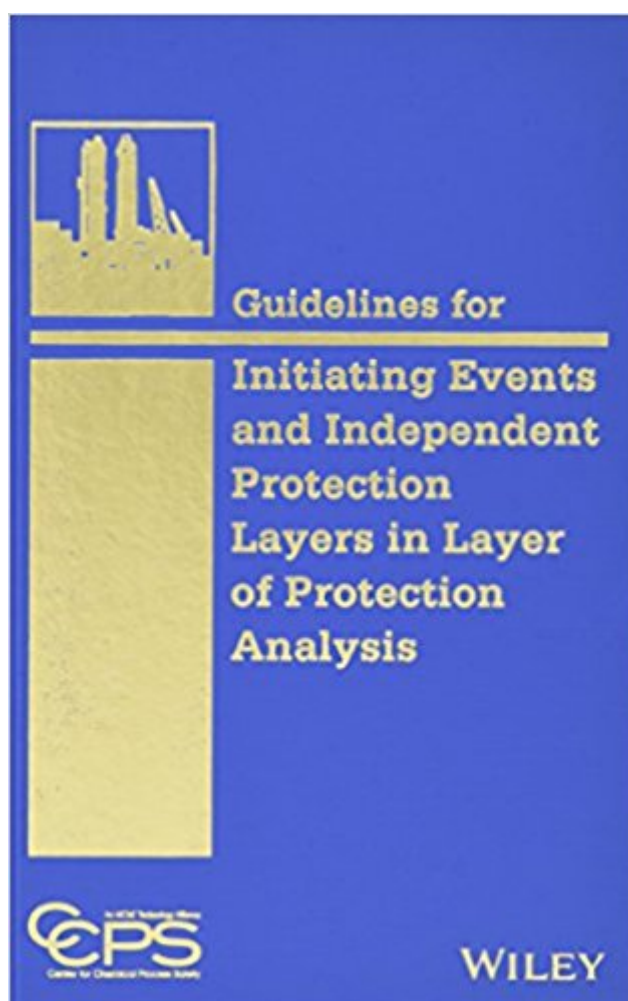


The book was found

Guidelines For Initiating Events And Independent Protection Layers In Layer Of Protection Analysis



Synopsis

The book is a guide for Layers of Protection Analysis (LOPA) practitioners. It explains the onion skin model and in particular, how it relates to the use of LOPA and the need for non-safety instrumented independent protection layers. It provides specific guidance on Independent Protection Layers (IPLs) that are not Safety Instrumented Systems (SIS). Using the LOPA methodology, companies typically take credit for risk reductions accomplished through non-SIS alternatives; i.e. administrative procedures, equipment design, etc. It addresses issues such as how to ensure the effectiveness and maintain reliability for administrative controls or inherently safer, passive concepts. This book will address how the fields of Human Reliability Analysis, Fault Tree Analysis, Inherent Safety, Audits and Assessments, Maintenance, and Emergency Response relate to LOPA and SIS. The book will separate IPLs into categories such as the following:

- Inherent Safety eliminates a scenario or fundamentally reduces a hazard
- Preventive/Proactive prevents initiating event from occurring such as enhanced maintenance
- Preventive/Active stops chain of events after initiating event occurs but before an incident has occurred such as high level in a tank shutting off the pump.
- Mitigation (active or passive) minimizes impact once an incident has occurred such as closing block valves once LEL is detected in the dike (active) or the dike preventing contamination of groundwater (passive).

Book Information

Hardcover: 384 pages

Publisher: Wiley-AIChE; 1 edition (December 31, 2014)

Language: English

ISBN-10: 0470343850

ISBN-13: 978-0470343852

Product Dimensions: 6.4 x 1 x 9.3 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars 4 customer reviews

Best Sellers Rank: #465,873 in Books (See Top 100 in Books) #11 in Books > Science & Math > Chemistry > Safety #191 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Health & Safety #192 in Books > Science & Math > Technology > Safety & Health

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developing and disseminating information on process safety management and technology. CCPS, an industry technology alliance of the American Institute of Chemical Engineers (AIChE), has published over 80 books in its process safety guidelines and process safety concepts series, and over 100 training modules through its Safety in Chemical Engineering Education (SACHE) series.

Great book, a must buy.

All was received in good condition and as expected.

Good guideline for LOPA

i have bought one before, great, very good seller . For a home product, for the price, this is quite good. I prefer a heavier product altogether, but I was surprised with the quality considering how inexpensive this product is. Coming from a professional background, I'd say this is a great piece to start with. fine.

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