

A **CPS** HANDBOOK

Human Factors Handbook for Process Plant Operations

Improving Process Safety
and System Performance

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Human Factors Handbook For Process Plant Operations is
dedicated to
Jack L. McCavit



Jack is passionate about process safety, especially in the areas of culture and human factors. His work, both in his

career at Celanese, and after his retirement, has concentrated on educating workers and industry leaders on the importance of process safety, the payback of sustaining a great program, and most importantly, the impact of not making process safety a top priority. Jack had first-hand experience with the latter when he witnessed a butane vapor cloud explosion at the Celanese site in Pampa, Texas, in 1987, resulting in three fatalities and dozens of injuries. Based on his significant and relevant expertise, Jack was selected as the technical manager for the prominent Baker Panel investigation of the BP Texas City Explosion in 2005. Jack is a CCPS Fellow, an AIChE Fellow, and is rumored to be the fifth most famous Texan in history. He was the committee chair for the CCPS flagship book, Guidelines for Risk Based Process Safety, and a driving force behind CCPS's Vision 20/20.

It is both an honor and a privilege to see Jack in action!

Louisa A. Nara, CCPSC
CCPS Global Technical Director

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