Record Nr. UNINA9910830583803321 Guidelines for process safety during the transient operating mode: **Titolo** managing risks during process start-ups and shut-downs / / Center for Chemical Process Safety of the American Institute of Chemical **Engineers** Hoboken, New Jersey:,: Wiley,, 2021 Pubbl/distr/stampa **ISBN** 1-119-52921-2 1-5231-3825-4 1-119-52918-2 1-119-52917-4 Descrizione fisica 1 online resource (289 pages) Disciplina 660.2804 Chemical engineering - Safety measures Soggetti Chemical process control Chemical plants - Safety measures Plant shutdowns Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di bibliografia Includes bibliographical references and index. Sommario/riassunto "Process industries bring vast benefits to our daily lives, but we do not live in a risk-free environment and mistakes are made. The timing for the highest risk period for most facilities occurs during start-up and shutdowns - also known as "transient" operations. Since transient operations, in general, for continuous chemical processes are performed less frequently, they have increased operational risks. This increased risk is due, in part, to an increased likelihood for procedural errors and the special hazards associated with the start-up or shutdown, especially since the process is not running under normal, steady state conditions. In addition, it may not be possible to address the many temporary and potentially hazardous conditions which could

occur during the start-up or shutdown of these complex processes"--