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MOC Impact Workflow to Ensure that Relief Systems PSI is Updated with Changes

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Abstract

The Process Safety Management (PSM) Standard requires that covered facilities manage change through the Management of Change (MOC) program. A robust MOC program effectively identifies and analyzes changes. Observation has shown that many MOC processes employ checklists and workflows to help MOC facilitators identify when engineering expertise is needed (e.g. Preventative Maintenance updates or changes in engineering documents / Process Safety Information (PSI)). Knowing when to update relief systems documentation as required is critical in ensuring accurate PSI. The typical relief systems documentation process involves updating or repeating the documentation for the entire facility on a semi-frequent basis. Based on experience at various facilities, the authors have developed the workflow presented in this paper that either eliminates the need for this expensive process or lengthens the time between updates. This detailed workflow is intended to guide plant-level engineers to understand when a change being reviewed in the MOC process requires a review and potential update of the relief device system PSI. This methodology can reduce the error rate in identifying when relief-systems-related PSI updates are required for changes managed through a site's MOC process, which ensures facilities more effectively manage relief systems documentation as part of an MOC program.