SAFETY SPOTLIGHT

MARINER SAFETY RESEARCH INITIATIVE

Design Changes as Remedial Actions

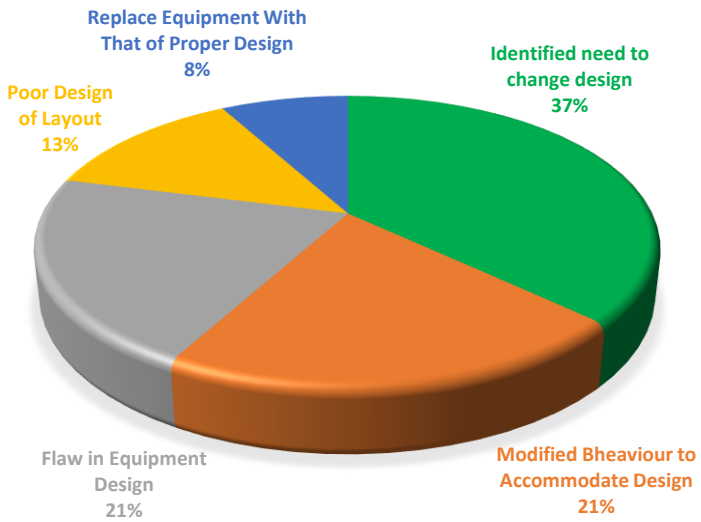
Issue # 3 • November 2015

INTRODUCTION

When a near miss is reported, ideally action is taken in some form to prevent future occurrences of similar events. When the near miss is equipment, structural, and sometimes even administrative related, a change in design may be what is required to rectify the situation.

A search performed with the keyword "design" yielded 752 results. Filtering was performed to remove records that we unrelated, and those that were found due to stemming (e.g. designated). Four hundred and twenty four records remained. These records were analyzed to identify how design was identified as the remedial action.

TOP 5 DESIGN RELATED NEAR-MISSES



The top 5 ways design was identified as a remedial action ranged from simply stating that a design change was required, sometimes accompanied by a suggestion; behavior, training, administrative aspects of the process were identified as requiring improvement, the design of the equipment, material was sometimes blamed for the near-miss, layout of the initial space was often identified as requiring a change, and sometimes the wrong equipment, material or substance was replaced with that of the proper design at some point in the event sequence.

From this information, those involved in the design phase, develop procedures, and manage crew can assess where the challenges are and either improve the design from the outset, or come up with ways to work around identified problem areas