



### VALVE HAZARDS AND CORRECTIVE ACTIONS

Hazards related to valves are among the leading near miss and injury incidents reported in the Mariner Safety Research Center Database. Regardless of valve locations (i.e., topside, below deck, etc.) the hazards are the same. Corrective actions concerning these incidents are discussed in this paper. Hazards from valves include, incorrect labeling, inability to safely access frequently used valves, valves stuck in the open and closed position, corrosion, improper installation, and several more.

#### Near Misses and Corrective Actions

Near Miss Hazards	Corrective actions
Damage/Failure of Equipment	Replace damaged equipment and increase maintenance frequency, remind crew to report damage found immediately
Improper Procedures /Carelessness	Improve on situational awareness, provide training to employees on proper use of equipment and planning, and improved supervision.
Design /Installation/ Accessibility	Move valves which cannot be accessed by crew, ensure installation of valves is correct, and provide feedback to manufacture/designers of faulty valve design.
Equipment Maintenance	Increase maintenance frequency

### Injuries and Corrective Actions

Injury Hazards	Corrective Actions
Improper Procedures/Failure to adhere to Procedures	Ensure procedures are clearly and properly written, and crew members are using correct procedures. Provide training to crew on procedures.
Accessibility, Labeling, Design of Valves	Ensure valves are correctly labeled and are functioning as expected. Provide crew with ladders if valves are out of reach, and ensure crew members do not use other equipment to access a valve.
Lack of Situational Awareness	Provide crew training on safety awareness and how to be more attentive to their surroundings.



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