



| HFE ITEMS IN PIPING SAFETY CHECKLIST | |
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| CRITERIA | DESCRIBE REPOSE |
| 1. Handwheel Locations optimized? | |
| 2. Safety Shield Provision at Valves in Hazardous Service? | |
| 3. Personnel Protection Insulation? | |
| 4. Hand Railing at Open Sump? | |
| 5. Dead Ends and Long Arrangements Meet Requirements? | |
| 6. All Egress is in Downward Direction? | |
| 7. Safety Equipment designed according to appropriate specifications including Personnel Emergency Apparatus? | |
| 8. Structures Serviced by Dual Escapes? | |
| 9. Emergency Shut Off Locations optimized? | |
| 10. Plant Access optimized for Vertical Clearances? | |
| 11. Plant Access optimized for Staircase/Elevator? | |
| 12. Plant Access optimized for Maintenance? | |
| 13. Plant Access optimized for Operator? | |
| 14. Ladders and Stairways Meet Requirements? | |
| 15. Plant Access optimized for Designated Personnel Escape Routes? | |