

PEOPLE RELATED	RESOURCES RELATED	MONITORING RELATED
11 Lack of personal capability - Restricted range of body movement - Vision, hearing touch, smell or other sensory deficiency - Fears and phobias - Poor judgment - Poor coordination - Slow reaction time - Low mechanical aptitude - Memory failure	21 Inadequate System Design - Consideration of human factors / ergonomics - Standards, specifications and / or design criteria - Construction monitoring - Assessment of operational readiness - Improper controls - Evaluation of changes	31 Inadequate work standards - Inventory and evaluation of exposures and needs - Coordination with process design - Personal involvement - Lack of standards for Procedures / practices / rules - Inadequate enforcement of work standards
12 Physical/ mental stress - Injury / illness or emotional overload - Fatigue due to task load or duration - Fatigue due to lack of rest - Fatigue due to sensory overload - Exposure to health hazards or environmental extremes - Drugs and/or alcohol - Extreme judgment /decision demands - Routine, monotony, demand for uneventful vigilance "Meaningless "or "degrading" activities	22 Inadequate Purchasing - Inadequate specifications on requisitions - Inadequate research on materials / equipment - Improper identification, handling or storage of materials - Inadequate identification of hazardous materials - Inadequate contractor selection	32 Inadequate Procedures - Poor written instructions - Inadequate policy, procedure, instructions practices or guidelines - Inadequate reference documents, directives and guidance publication
13 Lack of knowledge - Lack of experience - Inadequate orientation - Inadequate initial training - Inadequate update training - Misunderstood directions	23 Inadequate Maintenance - Preventive assessment of needs - Lubrication and preventive maintenance - Communication of maintenance needs - monitoring of maintenance intervals - Scheduling of work - Examination of units - Maintenance Work execution	33 Inadequate Supervision - Inadequate monitoring of compliance or initial operation - Unclear or conflicting assignment of responsibility - Improper or insufficient delegation - Inadequate work planning or programming - Inadequate identification and evaluation of loss exposures - Lack of supervisory/ management job knowledge - Inadequate matching of individual qualifications and job / task requirements - Inadequate performance measurement or incorrect wrong personnel performance feedback
14 Lack of Skills - Inadequate initial instruction - Inadequate practice - Infrequent performance - Lack of coaching	24 Inadequate tools/ equipment - Needs assessment - Human factors / ergonomics consideration - Standards of specifications - Availability or adjustment / repair / maintenance - Removal and replacement of unsuitable items	34 Inadequate Communication - Inadequate briefing, instructions, or orientation - Unclear or conflicting instructions or work standards - Unclear or conflicting reporting relationships - Inadequate communication of standards for implementation
15 Improper motivation - Poor Performance Standards - Improper performance is tolerated - Proper performance is punished - Lack of incentives - Improper attempt to save time or effort - Inadequate discipline - Inappropriate peer pressure - Improper supervisory example	25 Normal wear and tear - Loss of service life due to inadequate maintenance - Expected failure at end of service life - Extension of service life - Poor inspection and or monitoring - Improper loading or rate of use - Use for wrong purpose or by wrong personnel	35 Beyond Company's Control - Abuse or Misuse that is intentional / unintentional - Natural Phenomena / disasters - Sabotage / Horseplay - Other External Events