

Safety Systems and Sub-Systems Worksheet

Safety Systems	Design/Engineering	Mitigation Devices	Mechanical Integrity	Warning Devices	Procedures	Training	Personal Protective Factors
<p>Safety Sub-System</p> <p>Note: There may be additional sub-systems that are not included in this chart. Also in the workplace many subsystems are interrelated. It may not always be clear that an issue belongs to one subsystem rather than another.</p>	<p>Job Pre-Planning</p> <p>Resource Allocation</p> <p>Design and Engineering of Work Area, Equipment, Procedures, and Software</p> <p>Chemical Selection and Substitution</p> <p>Management of Change</p> <p>Standards, Codes, and Policies such as: OSHA Standards, and Fire or Electrical Codes, Governor Executive Orders</p> <p>NJ Healthcare Specific - Violence Prevention and Safe Patient Handling Regulations</p> <p>Work Organization Staffing, Scheduling, and Workload</p> <p>Skills and Qualifications</p> <p>Management of Personnel Change</p> <p>Joint Committees</p> <p>Communications</p>	<p>Shutdown and Isolation Devices</p> <p>Machine Guarding</p> <p>Secured Entry/Locks</p> <p>Seat Belts and Air Bags</p> <p>Fire and Chemical Suppression Devices</p> <p>Back-up Generator System and Emergency Outlets</p> <p>Enclosures, Barriers, Fencing, Dikes and Containment</p> <p>Secure or Anchor Shelving</p> <p>Relief and Check Valves</p>	<p>Inspection and Testing</p> <p>Preventive Maintenance</p> <p>Parts Quality Control</p> <p>Maintenance Reporting System</p> <p>Turnarounds and Overhauls</p> <p>Equipment Failures</p> <p>HVAC System</p>	<p>Monitors</p> <p>Emergency Notification Systems</p> <p>Process Alarms</p> <p>Facility Alarms</p> <p>Community Alarms</p> <p>Life Support Systems</p> <p>Patient Monitors</p> <p>Smoke or Carbon Monoxide Detectors</p> <p>Back-up Alarms on Vehicles</p> <p>Caution and Stop Signs, Cones, or Movable Barriers</p>	<p>Up-to-date Operating Manuals and Procedures</p> <p>Hazard Assessment and Analysis</p> <p>Investigation Procedures</p> <p>Incident Reporting</p> <p>Maintenance Procedures</p> <p>Pre-Startup Safety Review</p> <p>Permit Programs</p> <p>Communications</p> <p>Healthcare – Patient Assessments and Shift Change Team Huddles</p> <p>Buddy System</p> <p>COVID-19 Procedures</p> <p>Program Evaluations & Improvement</p>	<p>Process Safety Information</p> <p>Violence Prevention Training</p> <p>Emergency Preparedness and Response Training</p> <p>Refresher Training</p> <p>Information Resources</p> <p>Investigations and Lessons Learned</p> <p>Recordkeeping OSHA 300 Log</p> <p>Hazard Identification</p> <p>COVID-19 Training</p> <p>Mental Well-being</p>	<p>Personal Protective Equipment</p> <p>Respirators, Gloves, Eye and Hearing Protection</p> <p>Worker Participation and Decision-Making</p>
Hierarchy of Controls	Elimination or Substitution	Engineering Controls	Administrative & Work Practice Controls	Administrative & Work Practice Controls	Administrative & Work Practice Controls	Administrative & Work Practice Controls	Personal Protective Equipment

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