

HAZARDS LIST (Potential for Injury)

Exposure

- Radiation Exposure (substances or ionising, light - Infra Red, Ultra Violet, Laser, Magnetic)
- Exposure to Hazardous Substances (Chemicals, oils etc, skin/absorption, eyes, respiratory, ingestion, CIP)
- Exposure to Toxic Gases, fumes (exhaust, solvent etc), dust, asbestos, ammonia
- Exposure to biological agents or biological hazards (bacterial, rodent, viral, legionella, fungal)
- Temperature exposure (variations from normal, inc high/low temps, ventilation/humidity, heat stress/exhaustion)
- Noise/Vibration exposure (over 80dBA, 85dBA, 90dBA, nuisance)

Sudden Personal injury

- Slips, Trips & Low falls (e.g. from wet/contaminated floors, steps, stairs, spillage risk etc)
- Struck by a falling object (lifted materials, lifting operations, overhead working, crane/tackle/beam failures etc)
- Eye Injuries (e.g. foreign bodies, dust etc) and Display Screen Equipment / Visual Display Unit risks
- Electric Shock (or flash burns, static)
- Cuts & Hand tool / power tool injuries and friction injuries (inc glass & paper cuts) and bruises etc
- Fire, Highly Flammable Liquids, Pressurised gases, Explosion (inc Pressure explosions, boilers, hot work, gases)
- Falls from Height (fragile roofs/work/holes, ladders, zip-up, scaffolding, racking, restricted access, cherrypickers)
- Asphyxiation (Confined spaces, excavations, drowning, gas suppression systems etc)
- Pressurised Systems (boilers, steam systems, pneumatics, hydraulics etc)
- Burns/Scalds (hot or cold, or flames)
- Obstruction) to gangways/exits/designated routes

Mechanical Injury

- Machinery Entrapment, crush injuries, entanglement (e.g. Workshop machines, plant, mechanical hazards)
- Transport Risks (FLT/Pedestrian, FLT/FLT, Veh/FLT, Veh/Veh, Veh/pedestrian, trailers, mobile plant)
- Vehicle Manouvers (including Reversing and loading)

Long Term

- Ergonomic/Posture Hazards (e.g. repetitive actions, over exertion/effort, awkward positions)
- Manual Handling Risks - lifting, carrying, pushing, pulling + (back strains, pulled muscles etc)

People

- Lone working, restricted communications, Personal Protective Equipment (PPE) adding to risks (not fit for purpose, restricted vision etc)
- Violence / aggression / assault
- Striking against objects, Head Bangs, Body Bumps
- Structural collapse, exposed excavations etc, Contact with underground services (water, gas, electrics)

Anything else that is foreseeable and could cause significant injury, consider emergency or abnormal activities in addition to start up, normal running and shutdown

OTHER RISK ASSESSMENTS OR SPECIALIST SURVEYS REQUIRED

- | | |
|--|---|
| <input type="radio"/> Control of Substances Hazardous to Health (inc LEV) Hazardous Substances | <input type="radio"/> Confined Spaces |
| <input type="radio"/> Work Equipment / Machinery - Provision and Use of Work Equipment | <input type="radio"/> Working at Height |
| <input type="radio"/> Lifting Operations and Lifting Equipment | <input type="radio"/> Noise / Vibration |
| <input type="radio"/> Manual Handling | <input type="radio"/> Young Persons |
| <input type="radio"/> Display Screen Equipment | <input type="radio"/> Pregnant Women |
| <input type="radio"/> Fire | |

POSSIBLE CONTROLS

- Prohibition or Elimination - Stop doing the job
- Substitute with another method
- Isolate job (e.g. enclose process) interlocking, fixed guarding etc or 'lock off & tag'
- Procedures - Safety, quality, production, Safe System of Work (approved), Work Instructions
- Maintenance and Statutory Checks (inc Planned Maintenance (PM) and PM inspections or tests)
- Inspections and/or housekeeping
- Training, Competent Persons, Authorised Controls,
- Permits or Licensing, schedules
- Warning Notices/signs, Physical Restrictions (note-may be portable)
- Audible/Visual Warnings
- Safety Equipment (i.e. Mirrors, RCDs, guarding, emergency stops, barriers, handrails, ramps)
- Reduced Time Exposure (Job rotation etc)
- Measurement Sensors/Alarms (inc Gas detection checks)
- Ventilation(forced or general or Local Exhaust Ventilation (LEV)), good lighting, Environmental Controls
- Specialist Surveys (i.e. noise, dust, vibration, thermo graphic etc)
- Manual Handling or Lifting Equipment provided
- Emergency Procedures (for foreseeable emergency situations)
- Specific Safe System of Work (e.g. second operator, approval committees)
- Suitable PPE (Shoes, Gloves, Hi-vis clothing, goggles/visors, masks, Breathing Apparatus, earplugs, hard hats etc)

*** Anything else that is helpful and could reduce the chance of injury

TICK ALL THAT APPLY

NOTE: In addition Business Unit Managers may need to check local requirements and modify stds to suit these.