



Hazards Groups

Hazard Types



Hazard Examples

Human Factors

Bullying & Harassment, Communication, Competency, Experience, Complacency, Complex procedures, Fitness for work, Supervision, Isolated work, Fatigue



Noise

Equipment/Machines, Environmental, Jobsite, Process, Task, Personnel hearing efficiency



Environmental

Light, Wind, Rain, Dust, Congested area, Untidy work area, Poor ventilation, Flowing water, Condition of site, Public access, Soil stability, Nearby work



Electrical

Power lines, Above ground cables, Underground cables, Equipment, Static electricity, Lightning, Wiring, Temporary power sources, Extension leads, Generators



Body Mechanics

Inaccessible/restricted access, Ergonomics/Manual handling, Excessive weight/force, Awkward posture, Twisting/turning, Use of PPE for extended periods, Work above head height



Chemical

Flammable/combustable, Toxic, Oxygen - deficiency or enrichment, Asbestos/Exhaust gases, Inert gases, Asphixiants, Carcinogens, Reactive hazards, Pyrophorics, Iron Sulfide/Lead, PCB's



Mechanical

Rotating equipment, Compressed springs, Drive belts, Conveyors, Motors, Vibration, Vehicles, Mobile Plant, Underground services (piping, septs, drains)



Gravity

Lifting, Falling objects, Collapsing roof/structure/surface, Body tripping, Falling down/Falling in, Flying debris



Radiation

X Rays, Lasers/Microwave, UV radiation (e.g. sun, welding), NORM, Magnetic sources



Thermal

Ignition sources, Hot or cold surfaces, Hot medium, Cold medium, Environmental/weather conditions, Friction, Flares/Fluid & gas compression (hot), Fluid & gas expansion (cold)



Biological

Bacteria, Viruses, Insects, Animals, Blood-borne pathogens, Food, Water, Natural disasters, Hygiene/PPE, Biohazardous waste, Fauna, Generation of Solid Waste, Decontamination



Pressure

Vessels, Tanks, Hoses, Lines, Piping, Cylinders, Pneumatic equipment, Hydraulic equipment, Seized bolts/Seized valves, Springs, Vents, PSV

