

HAZARD/ASPECT & RISK ASSESSMENT SaskPower Health and Safety Hazard List

Chemicals	
Chemicals	Exposure to hazardous materials during handling, storage, use, production and disposal. Exposure refers to contact, ingestion, inhalation or absorption. Hazardous materials include all chemical, oxidizing and reactive agents, compressed gases, fumes, perfume and mists.
Asbestos	Exposure to Asbestos material.
Silica	Exposure to Silica material.
Electrical	
Arc Flash	The blast associated with the release of energy caused by an electric arc which may result in extreme heat, light, pressure and molten particles.
Live Electrical Energy	Exposure to electrical energy when working in the energized state and may include stored energy (capacitors).
Unintentional Energization	Exposure to unplanned introduction of an energy source through inadvertent switching, lightning, induction and back feed.
Ergonomics	
Office Ergonomics	Musculoskeletal or repetitive strain injury (MSI/RSI) from exposure to manual material handling, restricted workspace, vibration, poor lighting, repetitive motion, Video Display Terminal (VDT), body mechanics and overexertion.
Industrial Ergonomics	Musculoskeletal or repetitive strain injury (MSI/RSI) from exposure to manual material handling, restricted workspace, vibration, poor lighting, repetitive motion, VDT, body mechanics and overexertion.
Slips/Trips/Falls	Gravitational effects from slips, trips, same level falls and falls below 3 M.
Health	
Biological	Bacteria, germs, viruses, waste (i.e. sewage), sampling ponds, animal, insect and rodent bites, animal, bird and rodent droppings.
Animals	Exposure to animals.
Physical	
Noise	Exposure to noise.
Radiation Energy/Radioactive Substance	Exposure to radiation including welding flash, electrical arcing, sunburn, microwave, x-ray and radioactive equipment, radon gas, electrical magnetic frequency (EMF), radio frequency (RF).
Burns/Scalds	Exposure to thermal energy and radiant heat.
Heat/Cold	Exposure to extreme ambient indoor temperatures (heat or cold).

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Psychosocial	
Human Factor Issues	Violence, substance abuse, harassment, robbery, psychological/sociological issues, stress, fitness of employees, working alone.
Fatigue	Prolonged mental or physical work, extended periods of stress or anxiety, long hours and shift work.
Safety	
Collision/Crashing	Collision or crashing while operating, or a passenger, in vehicle/equipment.
Traffic	Exposure to vehicle traffic including roadways, highways and streets. It also includes any work-site where there is any potential to be struck by moving or mobile equipment.
Falls from Heights	Exposure to different level falls above 3 M while working at heights or around floor level openings.
Mechanical Energy (includes charge energy)	Uncontrolled release of energy, contact with moving/mechanical equipment or systems including rotating machinery, springs, tension, liquid and steam/pressure. Compressed and liquified gas systems (piping & cylinders).
Pinch Points	Exposure to crushing during excavation or drilling, moving parts in machinery that may/do cause pinch points. Potential for workers to get caught in machinery or belts and pulleys, chains and/or sprockets, etc.
Sharp/Protruding Objects	Use of sharp objects, exposure to protruding objects, including contact with stationary object. Potential for cuts and punctures.
Fire/Explosion	Potential for exposure to fire and explosion.
Dropping, Falling or Flying Objects	Potential to be struck with anything dropped, falling or flying.
WorkPlace	
Water/Ice	Exposure to open bodies of water or ice.
Adverse Weather	Exposure to extreme weather.
Foreign Matter	Foreign matter that may cause illness/injury.
Indoor Air Quality	Exposure to air quality that affects the occupants.