

Hazard Recognition Tool



Project ID: _____

Date: _____

Location: _____

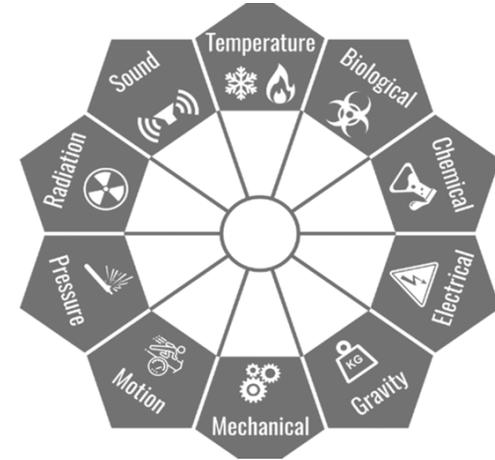
Crew: _____

Task _____

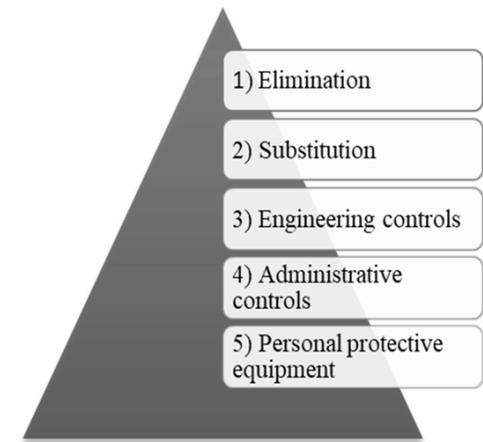


Construction Safety
Laboratory

Visual Cues to aid Hazard Recognition



Hazard Management strategy selection cues



Task Sequence	Potential Safety Hazards	Hazard Management
1		
2		
3		
4		
5		
6		
7		
8		

Hazard Recognition Tool

<u>Example hazards based on visual cues</u>	<u>Prompts to aid hazard recognition</u>
<p>1. <i>Gravity:</i> e.g., Falling objects, leading edge, trip potential, etc.</p> <p>2. <i>Mechanical</i> e.g., Conveyer belts, tools with rotating elements, etc.</p> <p>3. <i>Motion:</i> e.g., Vehicle movement, material transportation, equipment usage, etc.</p> <p>4. <i>Pressure</i> e.g., Excavations, pressurized piping, compressed gas cylinders, etc.</p> <p>5. <i>Radiation</i> e.g., Hot-work, X-rays, microwaves, low lighting, etc.</p> <p>6. <i>Sound</i> e.g., Pressure valves, equipment noise, etc.</p> <p>7. <i>Temperature</i> e.g., Flammable substances, hot/cold surfaces, etc.</p> <p>8. <i>Biological</i> e.g., Insects, viruses, contaminants, animals, etc.</p> <p>9. <i>Chemical</i> e.g., Carcinogens, irritants, explosives, toxics, etc.</p> <p>10. <i>Electrical</i> e.g., Power lines, energized equipment and tools, etc.</p>	<p>1. <i>Selective attention:</i> Have you examined all hazards - even the ones that may not be related to your primary task?</p> <p>2. <i>Operational unfamiliarity:</i> Do you know all the hazards that are associated with the operation of the equipment and tools around you?</p> <p>3. <i>Premature search termination:</i> Have you spent sufficient time to examine the workplace and identify all relevant hazards?</p> <p>4. <i>Multiple hazards associated with single source:</i> Are there multiple hazards associated with any source (e.g., electric cable on floor could lead to trip potential and electric hazard)?</p> <p>5. <i>Hazards that are secondary to the primary task:</i> Are there hazards unassociated with the planned task that can cause harm?</p> <p>6. <i>Visually Unperceivable / Obscure hazards:</i> Are there hazards that cannot be seen or remains hidden (e.g., odorless gas, underground electric line)?</p> <p>7. <i>Latent or stored energy hazards:</i> Are there hazards that are dormant that could be associated with unexpected energy release (e.g., pressurized piping)?</p> <p>8. <i>Unfamiliar task:</i> Will you or your coworkers be performing work that you are unfamiliar with - which could expose you to unknown hazards?</p> <p>9. <i>Hazards thoughts to impose low risk:</i> Are there hazards whose associated risk you may underestimate?</p> <p>10. <i>Hazards with no immediate outcome:</i> Are there hazards that may not reveal any immediate effects but could cause harm in the long term (e.g., ergonomic risk)?</p>