

# Hazard Identification Checklist

**AJHA ID:**

EXAMPLE

**Work Title:**

**Date Of Walkdown**

**Work Scope:**

General Maintenance Support Activities

Yes	Hazard
	<b>1. Portable heating equipment used?</b>
	<b>2. Fire system maintenance?</b>
	<b>3. Confined space entry?</b>
	- Permit-required confined space?
	... Atmospheric hazards exist in the space?
	... Atmospheric hazards introduced ?
	... Engulfment/entrapment hazards?
	... Potential for introducing adjacent hazards ?
	... Mechanical, electrical, or physical safety hazards?
	... Reclassify from permit required confined space (PRCS) to non-permit required confined space (NPCS)?
	- Non-Permit Confined Space?
	... Atmospheric hazards introduced ?
	... Potential for introducing adjacent hazards ?
	... Mechanical, electrical, or physical safety hazards ?
	- Space not classified?
	... Will the space be entered for hazard identification?
	<b>4. Operation of internal combustion engine within a building or enclosed space?</b> (Not Underground)
	<b>5. Prepping surfaces, painting, or finishing?</b>
	- Preparing surfaces?
	... Abrasive blasting?
	... Bead blasting?

	- <b>Spray painting?</b>
	- <b>Flammable or combustible materials?</b>
	- <b>Solvent-based paints?</b>
	- <b>New paints/products being used?</b>
	<b>6. Lead or lead-containing materials?</b> This includes work with lead paint, lead shielding, melting and pouring of lead, lead soldering, and any other activity involving lead or lead containing materials
	<b>7. Significant noise sources?</b>
	<b>8. Airborne dusts/particulates ?</b>
	<b>9. Thermal stress (heat or cold stress/hypothermia)?</b>
	- <b>Heat stress?</b>
	... <b>Radiant heat?</b>
	- <b>Special-high heat stress situations?</b>
	- <b>Cold stress/hypothermia?</b>
	<b>10. Gas cylinders (bottles) used or affected by the work?</b>
	<b>11. Hot work (Welding, torch cutting, grinding, burning, braising) ?</b> Activity involves elec arc, oxy-fuel gas welding/cutting operations, heavy grinding, brazing, light grinding, tig-welding, or similar activities?
	- <b>Grinding Activities ?</b>
	... <b>On Uncoated Steel ?</b>
	... <b>On Coated Steel or Concrete ?</b>
	... <b>On Other (Specify in Comments)</b>
	- <b>Arc Welding on Carbon Steel?</b>
	<b>12. Heavy, frequent or awkward lifting?</b>
	<b>13. Ergonomic hazards?</b>
	- <b>Awkward posture?</b>
	- <b>Highly repetitive motion?</b>
	- <b>Moderate to high hand-arm vibration?</b>
	<b>14. Poor Illumination?</b>
	<b>15. Construction, structure modification, or additions?</b>
	- <b>Installation of new floor coverings?</b>
	- <b>Glues and/or adhesives?</b>
	- <b>Modifications affecting fire protection features?</b>

	- Concrete and masonry construction?
	... Forms and shoring?
	... Concrete pumps?
	... Use of a loading skip with a concrete mixer one cubic yard or greater?
	... Conveyor/pug mills/concrete batch plants?
	... Use of a pneumatic hose?
	NOTE: IF YES, THEN SEE THE SECTION ON PNEUMATIC TOOLS
	... Installing pre-cast concrete?
	... Masonry wall construction?
	- Steel erection?
	<b>16. Demolition work?</b>
	- Structure damaged by fire, flood, explosion, or other cause?
	- Hazardous chemicals, gases, explosives, or flammable materials?
	- Multistory structure?
	- Stairs or passageways?
	- Chutes?
	... Chute steeper than 45 degrees?
	- Removal of materials through floor openings?
	- Removal of walls, masonry sections, or chimneys?
	- Manual removal of floors?
	- Mechanical demolition?
	- Removal of walls, floors, and material with equipment?
	<b>17. Chemicals/chemical products?</b>
	- Chemicals/chemical products used?
	... Explosive-or shock-sensitive chemicals used
	... Flammable chemicals used?
	... Combustible chemicals used?
	- New chemicals/chemical products?
	- Potential release of gas/vapor?
	<b>18. Aerial lifts/ elevating work platforms?</b>
	- Work on or near electrical conductors?
	- Lift used within 20 feet of high voltage conductor?
	- Will lift/platform be use while in motion?

	- Vehicle mounted platform?
	- Uneven Ground?
	<b>19. Portable ladder?</b>
	- Exposure to elevation of 6 feet or greater?
	- Step ladder used?
	- Straight ladder used?
	- Extension ladder used?
	- Rolling ladder used (stairs)?
	<b>20. Falls from elevation?</b>
	- Personal fall arrest (or restraint) system used?
	- Standard fall protection is NOT feasible?
	<b>21. Slip or trip hazards?</b>
	<b>22. Hazards from falling objects?</b>
	<b>23. Roof work/access?</b>
	- Working within 6 feet of the edge of a flat roof?
	- Roof/structure properly maintained?
	- Roof/structure not maintained?
	<b>24. Hoisting, rigging, or cranes?</b>
	- Mobile crane?
	... Boom assembly or dismantling?
	... Work near electrical power or communication lines?
	- Overhead or gantry crane?
	... Remote operation?
	- Material hoists or monorail cranes?
	- Critical lift?
	- Rigging with lifting eyes or swivel hoist rings?
	<b>25. Use of forklift?</b>
	- Critical lift?
	- Moving explosive or flammable materials?
	- Work near electrical power lines or other overhead obstructions?
	<b>26. Use of motor vehicles?</b>
	- Use of vehicle off road?
	- Use of vehicles underground?

	- Light utility vehicles used (e.g., golf carts, and gators, etc.)?
	- Pinch point or 'running-under' obstacle?
	<b>27. Heavy equipment operation?</b>
	- Hauling material over public roads?
	- Overhead and other obstructions?
	- Work near possible flying debris?
	<b>28. Transport equipment, hauling, or loading/off loading?</b>
	- Transportation and receipt of hazardous materials?
	- Service of multi-piece and single piece rim wheels?
	- Powered mobile equipment operated off-highway?
	- Towing or pulling loads?
	<b>29. Stored Energy?</b>
	<b>30. Electrical shock hazards ?</b>
	<b>31. Electrical Maintenance Work?</b>
	- Battery – Gel Sealed?
	... Verifying absence of voltage?
	... Replacing the battery?
	... Cleaning / brushing terminals?
	... Removing the battery leads?
	... Applying torque to the bolts?
	... Taking voltage readings ?
	- Battery – Lead Acid?
	... Verifying absence of power?
	... Adding water?
	... Replacing battery?
	... Cleaning/brushing terminals?
	... Taking voltage readings?
	... Testing specific gravity?
	... Removing battery leads?
	... Applying torque to bolts?
	- 50-150 Volts?
	... Circuit breaker or fused switch operation, door/covers closed?
	... Circuit breaker or fused switch operation, door/covers open?

	<b>... Verifying absence of power, energized work, &lt; 1.2 cal/sq. cm ?</b>
	<b>... Verifying absence of power, &gt; 1.2 cal/sq. cm ?</b>
	<b>... Remove bolted covers, &lt; 1.2 cal/sq.cm ?</b>
	<b>... Trouble shooting miner?</b>
	<b>- 151-600 Volts?</b>
	<b>... Work on energized parts, &lt; 1.2 cal/sq. cm ?</b>
	<b>... Work on energized parts, &gt; 1.2 cal/sq. cm ?</b>
	<b>... Work on energized parts, &gt; 5 cal/sq. cm, ≤ 8 cal/sq. cm?</b>
	<b>... Circuit breaker or fused switch operation, door / covers closed?</b>
	<b>... Circuit breaker or fused switch operation, door / covers open?</b>
	<b>... Insert or remove power circuit breakers?</b>
	<b>... Insert or remove low voltage starter buckets?</b>
	<b>... Phasing?</b>
	<b>... Moving Insulated Energized Mining Cable (151 - 600 Volts)?</b>
	<b>... Racking breaker to connect/disconnect position?</b>
	<b>... Remove bolted covers, &lt; 1.2 cal/sq. cm (151-600 Volts)?</b>
	<b>... Remove bolted covers, ≥ 1.2 cal/sq. cm ?</b>
	<b>... Verifying absence of power, &lt; 1.2 cal/sq. cm?</b>
	<b>... Verifying absence of power, ≥ 1.2 cal/sq. cm, ≤ 5 cal/sq. cm?</b>
	<b>... Verifying absence of power, &gt; 5 cal/sq. cm, ≤ 8 cal/sq. cm?</b>
	<b>- 601-15,000 Volts?</b>
	<b>... CB, fused switch, LIS operation, doors/covers closed?</b>
	<b>... CB, fused switch, LIS operation, doors/covers open?</b>
	<b>... Verifying absence of power ?</b>
	<b>... Insert/Remove Power Circuit Breakers?</b>
	<b>... Insert / Remove Low Voltage Starter Buckets?</b>
	<b>... Phasing (601 - 15,000 Volts) ?</b>
	<b>... Moving Insulated Energized Mining Cable?</b>
	<b>... Racking breaker to connect/disconnect position (601 - 15,000 Volts) ?</b>
	<b>... Remove bolted covers?</b>
	<b>... Work on energized parts, &gt;1.2 cal/sq. cm, ≤ 8 cal/sq. cm?</b>
	<b>... Installing grounding clusters?</b>
	<b>... Trouble shoot miner, &lt;1.2 cal/sq. cm?</b>

	<b>32. Fiber Optic Installation or Maintenance?</b>
	<b>33. Use of Laser?</b>
	<b>34. Portable hand-held tools used?</b>
	- <b>Powered tools?</b>
	... <b>Compressed air? (Including pneumatic tool)?</b>
	- <b>Hand tools?</b>
	... <b>Power drill?</b>
	<b>35. Rotating/Articulating machinery?</b>
	<b>36. Machine guarding issues?</b>
	<b>37. Pinch Point</b>
	<b>38. Blind penetration of walls, floors, ceilings, roofs, other surfaces?</b>
	- <b>Penetrates a fire/smoke barrier?</b>
	- <b>Rebar cut during penetration?</b>
	- <b>Potential contact with energized electrical circuit, including heat trace?</b>
	<b>39. Waste generation?</b>
	- <b>Combustible/flammable waste?</b>
	- <b>Dangerous waste/hazardous waste?</b>
	- <b>Other waste?</b>
	- <b>Waste minimization technique?</b>
	<b>40. Hazardous waste activity?</b>
	- <b>Combustible waste forms?</b>
	- <b>Hazardous waste activity at TSD?</b>
	- <b>Hazardous waste characterization, cleanup, or disturbance?</b>
	<b>41. Radiation Hazard?</b>
	<b>42. Excavation?</b>
	<b>43. Working outside?</b>
	- <b>Working over or near water?</b>
	- <b>Desert Animals?</b>
	- <b>Potential severe weather?</b>
	- <b>High wind exposure?</b>
	- <b>Lightning?</b>
	<b>44. Working alone ?</b>
	<b>45. Multiple discipline? (Work requiring more than one crew)?</b>

	<b>46. Adjacent hazardous activities?</b>
	<b>47. Changing conditions?</b>
	<b>48. Ground control hazards?</b>
	<b>49. Mine ventilation?</b>
	<b>50. Sharp objects?</b> Workers will be handling sharp objects such as knives, awls, screwdrivers, razors, shards or objects with sharp edges such as metal flashing, opened cans, or damaged metal surfaces.
	<b>51. Rented or Sub-contractor Equipment?</b>
	<b>52. Biohazards?</b>
	<b>53. User Added Hazards (1)</b>
	<b>54. User Added Hazards (2)</b>
	<b>55. User Added Hazards (3)</b>
	<b>56. User Added Hazards (4)</b>
	<b>57. User Added Hazards (5)</b>
	<b>58. User Added Hazards (6)</b>
	<b>59. User Added Hazards (7)</b>
	<b>60. User Added Hazards (8)</b>



	<b>61. User Added Hazards (9)</b>
	<b>62. User Added Hazards (10)</b>
Comments:	
Comments:	
Comments:	

<b>Walk Down Participants</b>			
<b>Print Name</b>	<b>Signature</b>	<b>Craft/Organization</b>	<b>Date</b>

