

# Job Hazard Analysis



University of Washington – Seattle Campus  
 Facilities Services – Campus Energy, Utilities & Operations  
 Seattle, WA 98195

Working Job Title: Power Plant Supervisor / Manager

JHA Completed by CEUO Safety Engineer

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The Job Hazard Analysis form is designed to help supervisors assess and address health and safety hazards that have the potential to cause serious injury or illness (e.g. power tools, electrical repairs). Supervisors can use this document to train staff on safe work procedures.

The information below is a good faith effort to identify hazards encountered by the Power Plant Supervisor / Manager.

The baseline training requirements for this position are:

- Driver Safety and Awareness Online
- Fire Extinguisher Hands On
- First aid & CPR
- Hepatitis B Vaccination (must be offered)
- Monthly shop safety meetings on PPE, shop safety standard operating procedures and SDS
- Covid-19 Safety Training: Back to the Workplace
- Ergonomic Online training (optional)
- Fire Extinguisher Online
- HazCom/GHS
- Bloodborne Pathogens for Non-Lab Online

This document will serve as the certification of hazard assessment for personal protective equipment for the above working job title position.

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
<p><b>Supervisors –</b>                      Oversee work of the Power Plant employees.</p> <p>See Power Plant JHAs for specific tasks.</p> <p>Note: This covers potential hazards the supervisor may encounter during a site visit and/or potential hazards the employee may be exposed to, which the supervisor must be knowledgeable of.</p>	<ul style="list-style-type: none"> <li>• Airborne contaminants (such as odors, vapor, fume, refrigerant leak)</li> <li>• Biological hazards (such as cooling tower –legionella, blood)</li> <li>• Construction Activities</li> <li>• Compressed gasses</li> <li>• Confined spaces (such as crawl space, vessels, cooling towers)</li> <li>• Electrically energized equipment</li> <li>• Ergonomic problems such as awkward posture</li> <li>• Fall hazard</li> <li>• Hazardous chemicals (such as solvents, degreasers)</li> <li>• Hazardous energy (mechanical, heat, pressure (gas or liquid lines))</li> <li>• Heat stress</li> <li>• Insufficient lighting</li> <li>• Material Handling (ie, forklift, hoisting/rigging)</li> <li>• Noise</li> <li>• Overhead equipment/hazards</li> <li>• Power/Hand tools</li> <li>• Regulated materials such as asbestos, lead, silica</li> <li>• Slip/trip/fall</li> <li>• Scaffolding</li> <li>• Vehicle traffic</li> <li>• Vermin feces (such as bird or rodent)</li> <li>• Work off/use of ladders</li> </ul>	<ul style="list-style-type: none"> <li>• Avoid energized electrical work when possible</li> <li>• Barricades/signs/spotter (if applicable)</li> <li>• Building system shutdown</li> <li>• Check-in with the construction contact person / control room prior to work</li> <li>• Confined space permit (if applicable)</li> <li>• Cooling tower work practice (if applicable)</li> <li>• Energized electrical work permit &amp; work plan (if applicable)</li> <li>• Ensure work area is clear from spills and trip hazards</li> <li>• Eye wash and deluge shower station</li> <li>• Fall protection work plan (if applicable)</li> <li>• 4-gas monitor (ie Bacharach)</li> <li>• If hot, drink water and take necessary rest breaks</li> <li>• Lift (MEWP: scissor, boom)</li> <li>• Lockout procedure, LOTO locks &amp; tags</li> <li>• Location of exits</li> <li>• Location of fire extinguisher</li> <li>• Location of first aid kit</li> <li>• Pest Contractor – as needed</li> <li>• Refrigerant leak SOP (if applicable)</li> <li>• Safety Data Sheets (SDS) for chemical and products</li> <li>• Shop safety standard operating procedures</li> <li>• This job position does not typically perform work on regulated building materials</li> <li>• Understand and implement industry safety standards for operating power/hand tools</li> <li>• Understand and implement regulatory practices / standards for operating a forklift</li> <li>• Understand and implement regulatory practices / standards for operating a hoist</li> <li>• Understand and implement safe practices for lifting tools for items exceeding 50 pounds, or is an awkward shape</li> <li>• Understand and implement the Utility Tunnel Access Program</li> <li>• Understand and implement tool tethering and toe boards</li> <li>• Use temporary lighting (such as flashlights, head lamps)</li> <li>• Water treatment plan</li> <li>• Welding screens</li> </ul>	<p><b>Task Specific Training</b></p> <ul style="list-style-type: none"> <li>• Asbestos Awareness</li> <li>• Audiometric Hearing Test</li> <li>• Back protection &amp; Lifting Safety Online</li> <li>• Compressed Gas Safety Online</li> <li>• Confined Space Entry /Hands On</li> <li>• Fall Protection</li> <li>• Forklift Operator Safety</li> <li>• Hearing Protection/Conservation Online</li> <li>• Hoisting and Rigging</li> <li>• Instant Upright Scaffold</li> <li>• Ladder Safety Hands On</li> <li>• Ladder Safety Online</li> <li>• Lead Awareness Online</li> <li>• Lockout/Tagout Safety</li> <li>• Lockout/Tagout for Supervisors</li> <li>• MEWP training with boom, scissor &amp; aerial evaluation</li> <li>• NFPA 70E Arc Flash/Electrical Safety</li> <li>• Refrigerant Monitoring</li> <li>• Respirator training &amp; Fit Test</li> <li>• Scaffold Safety</li> </ul> <p><b>PPE (required unless noted as needed)</b></p> <ul style="list-style-type: none"> <li>• Arc Flash rated: clothing, Tyvek coveralls, gloves, hard hat, head cover, impact glasses/goggles, substantial <u>leather</u> footwear</li> <li>• Chemical: splash apron, goggles, splash shield, footwear, gloves</li> <li>• Construction – hard hat, impact glasses/goggles, safety vest, gloves, substantial footwear</li> <li>• Dust mask -as needed</li> <li>• Electrically rated tools</li> <li>• Gloves – as needed</li> <li>• Hard hat – as needed</li> <li>• Head light / Flashlight / temporary lighting – as needed</li> <li>• Hearing protection - as needed</li> <li>• Ice Vest – as needed</li> <li>• Impact glasses/goggles – as needed</li> <li>• Personal fall restraint/arrest equipment</li> <li>• Respirator</li> <li>• Safety vest</li> <li>• Steel toe footwear</li> <li>• Substantial footwear</li> <li>• Any other PPE as specified by the construction site / lab entry sign</li> </ul>