

Job Hazard Analysis



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

Working Job Title: Shop 50W – W Cup Manager

JHA Completed by CEUO Safety Engineer

Date: August 2023

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 a Shop 50W – W Cup 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
- Ergonomic Online training (optional)
 - Fire Extinguisher Online
 - HazCom/GHS
 - Bloodborne Pathogens for Non-Lab Online
 - Covid-19 Safety Training: Back to the Workplace

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>Supervisors – Oversee work of the W Cup Mechanics/Lead.</p> <p>See W Cup Mechanics/Lead JHA 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">• Airborne contaminants (such as odors, vapor, fume, refrigerant leak, wildfire smoke)• Biological hazards (such as sanitary sewer leaks, cooling tower –legionella, blood)• Construction Activities/Oversight• Confined spaces (such as cooling towers, grade sumps)• Electrically energized equipment• Ergonomic problems such as lifting, repetitive motion, awkward posture• Fall hazard• Hazardous chemicals (such as chemicals in hydronic systems, solvents, degreasers)• Hazardous energy (mechanical, heat, pressure (gas or liquid lines))• Heat stress – indoors• Insufficient lighting• Material Handling (ie, forklift, hoisting/rigging)• Noise• Outdoor heat exposure• Overhead equipment/hazards• Pedestrian traffic• Power/Hand tools• Regulated materials such as asbestos, lead, silica• Slip/trip/fall• Scaffolding• Vehicle traffic• Vermin feces (such as bird or rodent)• Wildfire Smoke• Work off/use of ladders	<ul style="list-style-type: none">• Avoid energized electrical work when possible• Barricades/signs/spotter (if applicable)• Building system shutdown• Check-in with the construction contact person / control room prior to work• Confined space permit (if applicable)• Cooling tower work practice (if applicable)• Ensure work area is clear from spills and trip hazards• Eye wash and deluge shower station• Fall protection work plan (if applicable)• Heat Related Illnesses Prevention Plan• Hot Work Permit Program/Policy with SFD Issued permit for site.• 4-gas monitor (ie Bacharach)• If hot, drink water and take necessary rest breaks• Lift (MEWP: scissor)• Lockout procedure, LOTO locks & tags• Location of exits• Location of fire extinguisher• Location of first aid kit• Outdoor Heat Exposure Plan• Pest Contractor – as needed• Refrigerant leak SOP (if applicable)• Safety Data Sheets (SDS) for chemical and products• Shop safety equipment maintenance/repair procedures.• This job position does not typically perform work on regulated building materials• Understand and implement industry safety standards for operating power/hand tools• Understand and implement regulatory practices / standards for operating a forklift• Understand and implement regulatory practices / standards for operating a hoist• Understand and implement safe practices for lifting tools for items exceeding 50 pounds, or is an awkward shape• Understand and implement the Utility Tunnel Access Program• Understand and implement tool tethering and toe boards• Use temporary lighting (such as flashlights, head lamps)• UWF COVID-Prevention Plan• Wildfire Smoke Response Plan	<p>Task Specific Training</p> <ul style="list-style-type: none">• Arc Flash and Electrical Safety Best Practices (NFPA 70E) Online• Audiometric Hearing Test• Back protection & Lifting Safety Online• Confined Space Entry /Hands On• Crystalline Silica Safety Training Online• Fall Protection• Flagger & Traffic Control• Forklift Operator Safety• Hearing Protection/Conservation Online• Hoisting and Rigging• Ladder Safety Hands On• Ladder Safety Online• Lockout/Tagout Safety• Lockout/Tagout for Supervisors• MEWP training with scissor & aerial evaluation• Outdoor Heat Exposure Online• Refrigerant Monitoring• Respirator training & Fit Test• Scaffold Safety• Wildfire Smoke Online <p>PPE (required unless noted as needed)</p> <ul style="list-style-type: none">• Bump cap -as needed• Chemical: splash apron, goggles, splash shield, footwear, gloves• Construction – hard hat, impact glasses/goggles, safety vest, gloves, substantial footwear• Dust mask -as needed• Gloves – as needed• Hard hat – as needed• Head light / Flashlight / temporary lighting – as needed• Hearing protection - as needed• Impact glasses/goggles – as needed• Personal fall restraint/arrest equipment• Respirator• Safety toe footwear• Substantial footwear• Tyvek / Shop coveralls – as needed• Any other PPE as specified by the construction site / site specific work plan