

Job Hazard Analysis



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

Working Job Title: Utility Worker 2 (CEO)

JHA Completed by Mark Kirschenbaum, Asst Director of Campus Utilities

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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 Utility Worker 2 (CEO). If a specific job task is not listed below, contact your supervisor to determine if a specific job hazard analysis or work plan is required.

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
Driving vehicles	<ul style="list-style-type: none">Bodily injury	<ul style="list-style-type: none">Daily pre-trip vehicle inspectionFollow all traffic rulesMaintain current driver's licenseReport problems with state vehicles	Task Specific Training <ul style="list-style-type: none">Driver Safety and AwarenessMonthly shop safety meetings on PPESeatbelt use policy PPE <ul style="list-style-type: none">Seatbelt
Computer work	<ul style="list-style-type: none">Eye strainErgonomic problems such as carpal tunnel and back problems	<ul style="list-style-type: none">Adequate lightingRequest on Ergonomic evaluation from EH&SReview ergonomic info on EH&S websiteTake frequent breaks/stretch/move	Task Specific Training <ul style="list-style-type: none">Ergonomic Online training (optional) PPE <ul style="list-style-type: none">None
General use of hand and power tools such as screwdrivers, wrenches, drills, saws, impact hammer	<ul style="list-style-type: none">Bodily injury	<ul style="list-style-type: none">Follow industry safety standards for operating power/hand toolsLocation of exitsLocation of fire extinguisherLocation of first aid kitSafety Data Sheets (SDS) for chemical and products	Task Specific Training <ul style="list-style-type: none">Monthly shop safety meetings on PPE and SDS PPE <ul style="list-style-type: none">Gloves (as needed)Hearing protection (as needed)Impact glasses (as needed)Substantial footwear

Utility Worker 2 (CEO)

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
Maintain inventory supplies	<ul style="list-style-type: none"> Ergonomic problems such as carpal tunnel and back problems Work off ladders 	<ul style="list-style-type: none"> Get help or use lifting tools for items exceeding 50 pounds or is an awkward shape Request an ergonomic evaluation from EH&S Set-up work station using ergonomic principles Take frequent breaks/stretch Use hand cart 	<p>Task Specific Training</p> <ul style="list-style-type: none"> Back protection & Lifting Safety Online Ergonomic Online training (optional) Ladder Safety Hands On Ladder Safety Online Monthly shop safety meetings on PPE <p>PPE</p> <ul style="list-style-type: none"> Dusk mask (as needed) Safety glasses (as needed) Substantial footwear

Utility Worker 2 (CEO)

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
Perform maintenance work on and assist other trades with the repair of steam utility systems, fixtures and equipment (excluding energized-electrical work). Load and unload trucks and move tools, equipment, supplies and materials.	<ul style="list-style-type: none"> Airborne contaminants (such as odors, fume, refrigerant leak, dust) Biological hazards (such as sanitary sewer leaks, cooling tower –legionella, blood) Compressed gasses (such as welding gasses) Confined spaces (such as crawl space, boilers, cooling towers) Ergonomic problems (such as lifting, repetitive motion, awkward posture) Fall hazard Hazardous chemicals (such as solvents, degreasers) Hazardous energy (mechanical, heat, pressure (gas or liquid lines)) Heat stress Insufficient lighting Material Handling (ie, forklift, hoisting/rigging) Noise Overhead equipment Power/Hand tools Regulated materials (such as asbestos, lead, silica) Slip/trip/fall Scaffolding Vehicle traffic Work off ladders 	<ul style="list-style-type: none"> Aerial lift - scissor Avoid energized electrical work Barricades/signs/spotter (if applicable) Check-in with control room as required Confined space permit (if applicable) Ensure work area is clear from spills and trip hazards Eye wash and deluge shower station Fall protection work plan (if applicable) Follow industry safety standards for operating power/hand tools Follow regulatory practices / standards for operating a forklift Follow regulatory practices / standards for operating a hoist 4-gas monitor (ie Bacharach) Get help or use lifting tools for items exceeding 50 pounds, or is an awkward shape If hot, drink water and take necessary rest breaks Lockout procedure Location of exits Location of fire extinguisher Location of first aid kit Refrigerant leak work plan (if applicable) Safety Data Sheets (SDS) for chemical and products Shop safety standard operating procedures This job position does not typically perform work on regulated building materials Tool tethering and toe boards Use temporary lighting (such as flashlights, head lamps) Water treatment plan Cooling tower work practice (if applicable) 	<p>Task Specific Training</p> <ul style="list-style-type: none"> Asbestos Awareness Audiometric Hearing Test Back protection & Lifting Safety Online Bloodborne Pathogens for Non-Lab Online (for First Aid) Compressed Gas Safety Online Confined Space Entry /Hands On Ergonomic Online training (optional) Fall Protection Fire Extinguisher Hands On Fire Extinguisher Online First aid & CPR Flagger & Traffic Control Forklift Operator Safety HazCom/GHS Hepatitis B Vaccination (must be offered) Hoisting and Rigging Hearing Protection/Conservation Online Instant Upright Scaffold Ladder Safety Hands On Ladder Safety Online Lead Awareness Online Lockout/Tagout Safety Monthly shop safety meetings on PPE, shop safety standard operating procedures and SDS MEWP training with scissor evaluation Respirator training & Fit Test (pending boiler ash assessment) Supv LOTO Field Evaluation <p>PPE</p> <ul style="list-style-type: none"> Dust mask -as needed Gloves - as needed Hard hat - as required Head light / Flashlight / temporary lighting Hearing protection - as needed Impact glasses/goggles – as needed LOTO locks or tags Personal fall restraint/arrest equipment Respirator – as required Safety vest – as required Steel toe footwear - as required Substantial footwear Tyvek / Shop coveralls – as needed

Utility Worker 2 (CEO)

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
Perform tunnel inspections, maintain, clean and remove debris from tunnel manholes, passages, sumps and access hatches.	<ul style="list-style-type: none"> Airborne contaminants (such as odors, mold, vapor, dust,) Biological hazards (such as blood, dead rodents) Confined spaces (such as areas access by vertical ladder only) Ergonomic problems such as lifting, repetitive motion, awkward posture Hazardous chemicals (such as solvents, degreasers) Hazardous energy (hot pipes) Heat stress Insufficient lighting Hand tools Regulated materials such as asbestos, lead, silica Slip/trip/fall Vermin feces (such as bird or rodent) 	<ul style="list-style-type: none"> Check-in and out with the control room and/or lead prior to work Ensure work area is clear from spills and trip hazards Follow industry safety standards for operating hand tools Get help or use lifting tools for items exceeding 50 pounds, or is an awkward shape If hot, drink water and take necessary rest breaks Location of exits Location of fire extinguisher Location of first aid kit Personal eye wash bottle Pest Contractor – as needed Safety Data Sheets (SDS) for chemical and products Shop safety standard operating procedures This job position does not typically perform work on regulated building materials Use temporary lighting (such as flashlights, head lamps) 	<p>Task Specific Training</p> <ul style="list-style-type: none"> Asbestos Awareness Back protection & Lifting Safety Online Bloodborne Pathogens for Non-Lab Online (for First Aid) Confined Space Awareness Online Department specific training Ergonomic Online training (optional) Fire Extinguisher Hands On Fire Extinguisher Online First aid & CPR HazCom/GHS Hepatitis B Vaccination (must be offered) Lead Awareness Online Monthly shop safety meetings on PPE, shop safety standard operating procedures and SDS <p>PPE</p> <ul style="list-style-type: none"> Chemical: splash apron, goggles, splash shield, footwear, gloves – as required Dust mask -as needed Gloves - as needed Head light / Flashlight / temporary lighting Substantial footwear

Utility Worker 2 (CEO)

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
Clean, service and perform routine maintenance on shop tools and equipment; operate power tools and equipment (such as shop vacuum, floor polisher)	<ul style="list-style-type: none"> Airborne contaminants (such as odors, dust) Biological hazards (such as cooling tower –legionella, blood,) Ergonomic problems such as lifting, repetitive motion, awkward posture Hazardous chemicals (such as solvents, degreasers) Heat stress Noise Power/Hand tools Slip/trip/fall 	<ul style="list-style-type: none"> Avoid energized electrical work Ensure work area is clear from spills and trip hazards Eye wash and deluge shower station Follow industry safety standards for operating power/hand tools Get help or use lifting tools for items exceeding 50 pounds, or is an awkward shape If hot, drink water and take necessary rest breaks Location of exits Location of fire extinguisher Location of first aid kit Safety Data Sheets (SDS) for chemical and products Shop safety standard operating procedures This job position does not typically perform work on regulated building materials Water treatment plan 	<p>Task Specific Training</p> <ul style="list-style-type: none"> Audiometric Hearing Test Back protection & Lifting Safety Online Bloodborne Pathogens for Non-Lab Online (for First Aid) Confined Space Awareness Online Ergonomic Online training (optional) Fire Extinguisher Hands On Fire Extinguisher Online First aid & CPR HazCom/GHS Hepatitis B Vaccination (must be offered) Hearing Protection/Conservation Online Monthly shop safety meetings on PPE, shop safety standard operating procedures and SDS <p>PPE</p> <ul style="list-style-type: none"> Dust mask -as needed Gloves - as needed Hearing protection - as needed Chemical goggles – as needed Splash face shield – as needed Substantial footwear

Utility Worker 2 (CEO)

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
Perform custodial related tasks (such as floor tile, sweep/mop floors, remove garbage)	<ul style="list-style-type: none"> Airborne contaminants (such as odors, mold, vapors, refrigerant leak) Biological hazards (such as blood) Ergonomic problems such as lifting, repetitive motion, awkward posture Hazardous chemicals (such as cleaners, solvents, degreasers) Heat stress Noise Power/Hand tools Regulated materials such as asbestos, lead, silica Slip/trip/fall 	<ul style="list-style-type: none"> Barricades/signs/spotter (if applicable) Ensure work area is clear from spills and trip hazards Follow industry safety standards for operating power/hand tools Get help or use lifting tools for items exceeding 50 pounds, or is an awkward shape If hot, drink water and take necessary rest breaks Location of exits Location of fire extinguisher Location of first aid kit Personal eye wash bottle Safety Data Sheets (SDS) for chemical and products Shop safety standard operating procedures This job position does not typically perform work on regulated building materials 	<p>Task Specific Training</p> <ul style="list-style-type: none"> Asbestos Awareness Audiometric Hearing Test Back protection & Lifting Safety Online Bloodborne Pathogens for Non-Lab Online (for First Aid) Confined Space Awareness Online Ergonomic Online training (optional) Fire Extinguisher Hands On Fire Extinguisher Online First aid & CPR HazCom/GHS Hepatitis B Vaccination (must be offered) Hearing Protection/Conservation Online Lead Awareness Online Monthly shop safety meetings on PPE, shop safety standard operating procedures and SDS <p>PPE</p> <ul style="list-style-type: none"> Chemical: splash apron, goggles, splash shield, footwear, gloves – as required Dust mask -as needed Gloves - as needed Hearing protection - as needed Substantial footwear

Utility Worker 2 (CEO)

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
Paint handrails, floors, pipe and walls in the Power Plant and West CUP areas as needed.	<ul style="list-style-type: none"> Airborne contaminants (such as odors, vapor, refrigerant leak) Biological hazards (such as blood) Ergonomic problems such as lifting, repetitive motion, awkward posture Fall hazard Hazardous chemicals (such as paint, solvents, degreasers) Hazardous energy (pressure (liquid-aerosol can)) Heat stress Insufficient lighting Noise Power/Hand tools Regulated materials such as asbestos, lead, silica Slip/trip/fall Scaffolding Work off ladders 	<ul style="list-style-type: none"> Aerial lift - scissor Avoid energized electrical work Barricades/signs/spotter (if applicable) Ensure work area is clear from spills and trip hazards Eye wash and deluge shower station Fall protection work plan (if applicable) Follow industry safety standards for operating power/hand tools Get help or use lifting tools for items exceeding 50 pounds, or is an awkward shape If hot, drink water and take necessary rest breaks Location of exits Location of fire extinguisher Location of first aid kit Safety Data Sheets (SDS) for chemical and products Shop safety standard operating procedures This job position does not typically perform work on regulated building materials Tool tethering and toe boards Use temporary lighting (such as flashlights, head lamps) Water treatment plan 	<p>Task Specific Training</p> <ul style="list-style-type: none"> Asbestos Awareness Audiometric Hearing Test Back protection & Lifting Safety Online Bloodborne Pathogens for Non-Lab Online (for First Aid) Ergonomic Online training (optional) Fall Protection Fire Extinguisher Hands On Fire Extinguisher Online First aid & CPR HazCom/GHS Hepatitis B Vaccination (must be offered) Hearing Protection/Conservation Online Instant Upright Scaffold Ladder Safety Hands On Ladder Safety Online Lead Awareness Online Monthly shop safety meetings on PPE, shop safety standard operating procedures and SDS MEWP training with scissor evaluation <p>PPE</p> <ul style="list-style-type: none"> Dust mask -as needed Gloves - as needed Head light / Flashlight / temporary lighting Hearing protection - as needed Chemical glasses/goggles – as needed Personal fall restraint/arrest equipment Splash face shield – as required Substantial footwear Tyvek / Shop coveralls – as needed