

Job Hazard Analysis



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

Working Job Title: Pipefitter/Natural Gas and Metering Manager (Shop 43)

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 Pipefitter/Natural Gas and Metering Manager (Shop 43/50M). 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.

The baseline training requirements for this position are:

- Bloodborne Pathogens for Non-Lab Online
- Driver Safety and Awareness Online
- Fire Extinguisher Hands On
- First aid & CPR
- 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
- Hepatitis B Vaccination (must be offered)

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 inspection • Follow all traffic rules • Maintain current driver’s license • Report problems with state vehicles 	<p>Task Specific Training</p> <ul style="list-style-type: none"> • Driver Safety and Awareness • Monthly shop safety meetings on PPE <p>PPE</p> <ul style="list-style-type: none"> • Seatbelt use policy • Seatbelt
Computer Work	<ul style="list-style-type: none"> • Eye strain • Ergonomic problems such as carpal tunnel and back problems 	<ul style="list-style-type: none"> • Adequate lighting • Request on Ergonomic evaluation from EH&S • Review ergonomic info on EH&S website • Take frequent breaks/stretch/move 	<p>Task Specific Training</p> <ul style="list-style-type: none"> • Ergonomic Online training (optional) <p>PPE</p> <ul style="list-style-type: none"> • None
Cell phone usage	<ul style="list-style-type: none"> • Inattention leading to bodily injury 	<ul style="list-style-type: none"> • Be aware of your surroundings • Don’t drive and talk unless utilizing a ‘hands-free’ device 	<p>Task Specific Training</p> <ul style="list-style-type: none"> • Driver Safety and Awareness <p>PPE</p> <ul style="list-style-type: none"> • None

Job Tasks	Potential Hazard	Controls & Recommended Actions	Training and Personal Protective Equipment
<p>Oversee work of the natural gas meter position.</p> <p>See the natural gas meter JHA for task details.</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, mold, fume, refrigerant leak) • Confined spaces (such as tunnel) • awkward posture • Hazardous chemicals (such as solvents) • Hazardous energy (mechanical, heat, pressure (gas or liquid lines)) • Heat stress • Insufficient lighting • Noise • Overhead equipment/hazards • Pedestrian traffic • Regulated materials such as asbestos, lead, silica • Slip/trip/fall • Scaffolding • Vermin feces (such as rodent) • 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 department / building coordinator / construction contact / control room prior to work • Ensure work area is clear from spills and trip hazards • 4-gas monitor (ie Bacharach) • If hot, drink water and take necessary rest breaks • Location of exits • Location of fire extinguisher • Location of first aid kit • Lockout procedure, LOTO locks & tags • Refrigerant leak SOP (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 • Understand and implement tool tethering and toe boards • Understand and implement safe practices for lifting tools for items exceeding 50 pounds, or is an awkward shape • Understand and implement industry safety standards for operating power/hand tools • Understand and implement regulatory practices / standards for operating a hoist • Use temporary lighting (such as flashlights, head lamps) 	<p>Task Specific Training</p> <ul style="list-style-type: none"> • Asbestos Awareness • Audiometric Hearing Test • Back protection & Lifting Safety Online • Confined Space Awareness Online • Confined Space Hands On • Hoisting and Rigging • Hearing Protection/Conservation Online • Ladder Safety Hands On • Ladder Safety Online • Lead Awareness Online • Lockout/Tagout Safety • Lockout/Tagout for Supervisors • Operator Qualifications for Natural Gas Online (shop) • Operator Qualifications for Natural Gas Evaluation (shop) • Refrigerant Monitoring • Scaffold Safety <p>PPE (required unless noted as needed)</p> <ul style="list-style-type: none"> • Bump cap -as needed • Construction – hard hat, impact glasses/goggles, safety vest, gloves, substantial footwear – as required • Dust mask -as needed • Gloves – as needed • Hard hat – as needed • Head light / Flashlight / temporary lighting • Hearing protection - as needed • Impact glasses/goggles – as needed • Safety vest – as needed • Steel toe footwear – when required • Substantial footwear • Tyvek / Shop coveralls – as needed • Any other PPE as specified by the construction site