

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

Facilities Services

Pressure Washing

| TASK | HAZARDS | CONTROLS |
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| 1. Set up equipment and prepare the work area. | Slips, trips, and falls Muscle sprains and strains Vehicular and pedestrian traffic | Inspect area before starting work Clear and block off work area with caution tape, cones, and/or signs if necessary Use safe lifting techniques and proper body mechanics Use proper tools and equipment Stretch and flex Wear a high visibility vest Block off work area with caution tape, cones, and/or signs if necessary |
| 2. Inspect the pressure washer for damaged, broken, or malfunctioning equipment. | Pinch points, nip points, lacerations, etc | If serious hazards are found, take the equipment out of service and apply a "DO NOT USE" tag. Specify the problem or hazard on the tag and notify your Lead or Supervisor to submit a work order. |
| 3. Fueling and oiling the pressure washer | Chemical splash and spills Fire | Wear PPE: rubber or nitrile gloves, safety goggles or safety glasses with face shield, long sleeves and apron or other body protection such as Tyvek suits or rain gear as necessary Add fuel in well ventilated areas using appropriate containers Clean up spills immediately with absorbent wipes Do not start engine until fuel have evaporated Do not add fuel to hot engines Keep fuel away from heat sources, sparks, and open flames No Smoking |
| 4. Pressure wash desired area. Use extra precautions when pressure washing potentially infectious materials such as vomit, feces, and urine. Additional PPE may be required. | Slips, trips, and falls Debris in eyes, face, and body Exposure to potentially infectious materials such as vomit, feces, and urine. Hearing damage | Inspect area before starting work Clear and block off work area with caution tape, cones, and/or signs if necessary Wear slip resistant work boots or rubber boots Do not overreach Stand on level ground Wear PPE: rubber or nitrile gloves, safety goggles or safety glasses with face shield, long sleeves and apron or other body protection such as Tyvek suits or rain gear as necessary Wear ear plugs and/or ear muffs |

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| | | Electrocution | <ul style="list-style-type: none"> Inspect the equipment before use Make sure connections are grounded Remove equipment out of service if electrical cords are damaged or the ground prong is missing Do not alter, modify, or remove the Safety Relief System Valve Do not spray electrically energized equipment Stay a safe distance from all power lines Secure area if electrical hazards are present Follow manufacture recommendations |
| | | Vehicular and pedestrian traffic | <ul style="list-style-type: none"> Wear a high visibility vest Clear and block off work area with caution tape, cones, and/or signs if necessary |
| | | Water penetration injuries | <ul style="list-style-type: none"> Hold spray wand with both hands to prevent kick back Avoid contact with high pressure steam tips and nozzles Never spray people or yourself with the hose Prevent accidental discharge Do not alter, modify, or remove spray nozzle Trigger should always be locked in the off position when not in use |
| | | Pinch points/nip points | <ul style="list-style-type: none"> Keep hands, hair, and loose clothing away from moving parts Tie long hair Do not maintain the pressure washer unless trained and authorized to do so |
| | | Asphyxiation (Suffocation) Carbon monoxide poisoning | <ul style="list-style-type: none"> Do not operate the pressure washer in enclosed areas Operate the pressure washer in well ventilated areas |
| | | Burns from the engine, muffler, heat exchanger, etc. | <ul style="list-style-type: none"> Do not touch parts of the engine, muffler, or heat exchanger Do not spray yourself or others with the water |
| Other Information: | Required Training: | Personal Protective Equipment (PPE) | |
| | <ul style="list-style-type: none"> Personal Protective Equipment Ergonomics Bloodborne Pathogens Hearing Conservation Hazard Communication | <ul style="list-style-type: none"> Safety goggles or safety glasses w/ face shield Ear plugs/Ear muffs Apron, Tyvek suit, or rain gear as needed N95 recommended as necessary | <ul style="list-style-type: none"> Slip resistant boots High visibility vest as needed Rubber/nitrile gloves |
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| | For more information about this JSA, contact the Department Safety Coordinator. | | |