Job Hazard Analysis

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| Task/Equipment: | Cleaning Condenser Tubes on Chillers  |
| Department: | Powerhouse |
| Analyzed By: | Bill Partin & Bryana Borders |
| Date: | 4/24/2019 |

**Personal Protective Equipment Required:**

**Hard Hat**

**Heavy Rubber Gloves**

**Rubber Boots**

**Trainings Required\*/Recommended:**

Hazardous Communication

**Equipment/Tools/Chemicals Required for the Job:**

Goodway tube cleaning machine, tube brushes, hand wrenches

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| **Steps** | **Hazards Present** | **Safety Measures and Controls** |
| 1. Attach garden hose to Goodway machine and lay flat
 | No hazards present | N/A |
| 1. Plug in machine to 120 volt outlet
 | Electrical shock hazard | Make sure the outlet and plug stays dry |
| 1. Operate machine using foot petals
 | Twisted wrist, wet feet cause a slip and fall  | Use heavy rubber gloves and rubber boots to keep hand and feet from slipping. A hard hat can prevent head trauma from slip and fall when worn correctly |
| 1. Replace brush every two rows
 | Slip and fall  | Use rubber boots  |
| 1. Detach garden hose and oil cable
 | No hazards present | N/A |

**Additional Information:**

Lab Coat

Protection Suit

Fall Protection Harness

High Vis Vest

Splash Goggles

Cryogenic Gloves

Dust Mask

Respirator

Face Shield

Safety Glasses

Ear Protection