Job Hazard Analysis

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| Task/Equipment: | Cleaning Suction Strainers  |
| Department: | Powerhouse |
| Analyzed By: | Bill Partin & Bryana Borders |
| Date: | 4/12/19 |

**Personal Protective Equipment Required:**

**Heavy Leather Gloves**

**Hard Hat**

**Trainings Required\*/Recommended:**

Proper use of impact tool\*, OSHA 10

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

Socket wrenches, hand wrenches and rotary impact tool

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| **Tasks/Steps** | **Hazards Present** | **Safety Measures and Controls** |
| 1. Turn off pump at control panel
 | No hazards present | N/A |
| 1. Isolate strainers by closing suction and discharge stop valves
 | No hazards present | N/A |
| 1. Connect a hose to strainer blow down tap and run to floor drain
 | No hazards present | N/A |
| 1. Open drain valve and allow strainer cavity to drain and cool
 | Skin Burn  | Use heavy leather gloves and allow strainer flange to cool  |
| 1. Remove bolts from strainer flange and lower flange to floor
 | If you use an impact tool, this could cause wrist twist | Use heavy leather gloves for grip |
| 1. Remove wire mesh strainer
 | Finger cuts, sharp edges | Wear heavy leather gloves to prevent cuts |
| 1. Clean strainer using soap and water
 | No hazards present | N/A |
| 1. Replace strainer into cavity
 | Finger cut, sharp edges | Use heavy leather gloves |
| 1. While one person holds flange in place the other lines up and puts bolts in place
 | Finger pinch | Use heavy leather gloves |
| 1. Secure bolts using socket wrench or impact tool
 | Wrist twist | Be careful using wrenches and impact tool, use heavy leather gloves for grip |
| 1. Close drain valve
 | No hazards present | N/A |
| 1. Reopen isolation valves at suction and discharge stops
 | No hazards present | N/A |
| 1. Turn pump on at control panel and check for leaks
 | No hazards present | N/A |

**Additional Information:**

* Two Person Task

Lab Coat

Protection Suit

Fall Protection Harness

High Vis Vest

Safety Shoes

Splash Goggles

Cryogenic Gloves

Dust Mask

Respirator

Face Shield

Safety Glasses

Ear Protection