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| Task/Equipment: | Reassembling Winter Boiler After Annual Inspection  |
| Department: | Powerhouse |
| Analyzed By: | Bryana Borders & Bill Partin |
| Date: | 4/12/19 |

Job Hazard Analysis

**Personal Protective Equipment Required:**

**Heavy Leather Gloves**

**Hard Hat**

**Trainings Required\*/Recommended:**

Proper ladder use training\*, OSHA 10

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

Pipe wrenches, socket wrenches, screw drivers, hand wrenches, sanding cloth, hammer, rope, flashlight, flood light

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| **Tasks/Steps** | **Hazards Present** | **Safety Measures and Controls** |
| 1. Reinstall manway covers with new gaskets and discard old gaskets (hammer may be used)
 | Finger pinch and finger/hand smash from hammer | Use heavy leather gloves to protect from pinching. Keep hands away from the area where blunt force is applied |
| 1. Replace all cross tees and inspection plugs
 | Fall from ladder | Follow proper ladder use protocol  |
| 1. Replace gasket and reinstall water level safety float and secure bolts
 | No Hazards Present | N/A |
| 1. Check that the bottom blowdown valves are closed and remove lock-out device from valves
 | No Hazards Present |  N/A  |
| 1. Close fire-side access door, replace bolts and secure
 | Wrist twist  | Operate impact wrench carefully and use heavy leather gloves for grip |
| 1. Remove lock-out device from main power disconnect and close
 | No Hazards Present |  N/A  |
| 1. Close main boiler gas cock and leave handle in the vertical position
 | No Hazards Present |  N/A  |
| 1. Re-open OS&Y valve on top of boiler, leave non-return closed until boiler is put online
 | Ladder fall  |  Follow proper ladder use protocol |
| 1. Re-enable chemical feed pump if applicable
 | No Hazards Present |  N/A  |
| 1. Reopen surface blowdown stop valve closest to the boiler and remove tag
 | No Hazards Present |  N/A  |

**Additional Information:**

Protection Suit

Fall Protection Harness

High Vis Vest

Safety Shoes

Splash Goggles

Latex Gloves

Dust Mask

Respirator

Face Shield

Safety Glasses

Ear Protection