|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **ISOLATION POINTS** | | **Process Area:** | | | **Line 3 Tempering** | | | |
| **2** | | **Machine Description:** | | | **Triulzi Washer** | | | |
| **NEXT AUDIT DUE**  **February 2025**  **NEXT AUDIT DUE**  **February 2027**  **NEXT AUDIT DUE**  **February 2028**  **NEXT AUDIT DUE**  **February 2029**  **NEXT AUDIT DUE**  **February 2026** | | | | | | | | | |
| W-1  E-1 | | | | | | | | | |
| **LOTO PROCEDURE** | | | | | | | | | |
| **1 - Notify Affected Employees of the Machine LOCKOUT** | | | | | | | | | |
| **2 - Properly Shut Down Machine** | | | | | | | | | |
| **3 - Isolate All Energy Sources** | | | | | | | | | |
| **4 - Apply Lockout devises, Locks, and Tags** | | | | | | | | | |
| **5 – Verify Total De-energization of all sources (use appropriate arc flash PPE according to NFPA 70e standards)** | | | | | | | | | |
| **ID** | | **Source** | | | **LOTO Device** | | **Location** | **Isolation Method** | **Verify** |
|  | | **PRIMARY SOURCE**  **Electrical (480 V)** | | | **1 Lock**  **1 Tag**  **1 Isolation Device** | | **E-1 located on the operator side of the control panel** | **Turn disconnect switch E-1 to the “OFF” position and apply lock and tag.** | **Verify Isolation** |
|  | | **Water Hazard**  **(Water Valve)** | | | **1 Lock**  **1 Tag**  **1 Valve Isolation Device** | | **W-1 located on the operator side of the control panel near the floor** | **Close water valve W-1 and apply valve isolation device lock and tag.** | **Check water line isolation.** |
| **6 - Notify affected employees once the equipment is safe to operate.** | | | | | | | | | |
|  | | | | **WHO IS RESPONSIBLE FOR SAFETY……I AM** | | | | | |

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| **LOCKOUT APPLICATION STEPS** | | | |
| **#** | **Step** | **Instruction** | **Additional Information** |
| 1 | Notify Employees | Notify all affected employees that the machine or equipment will be shut down and locked out. |  |
| 2 | Review Procedure | Ensure that each authorized employee understands the type and magnitude of the energy present, the associated hazards and the proper methods of control. |  |
| 3 | Shutdown Equipment | If the machine or equipment is operating, shut it down by the normal stopping procedure. |  |
| 4 | Isolate Energy | De-activate the energy isolating devices(s) so that the machine or equipment is isolated from the energy source(s). |  |
| 5 | Lockout Controls | Lockout the energy isolating device(s) as indicated on the front of this procedure. |  |
| 6 | Dissipate Energy | Dissipate any stored or residual energy as indicated on the front of this procedure. |  |
| 7 | Verify Isolation | Verify that the energy source has been isolated as indicated on the front of this procedure. |  |

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| **LOCKOUT RELEASE STEPS** | | | |
| **#** | **Step** | **Instruction** | **Additional Information** |
| 1 | Inspect Equipment | Check the equipment to ensure that the components are operationally intact. |  |
| 2 | Check Area | Check the immediate area to ensure that all employees have been safely positioned, and that any nonessential items have been removed. |  |
| 3 | Check Neutral | Verify that operating controls are in neutral. |  |
| 4 | Re-Energize | Remove the lockout device(s) and activate the energy isolating device(s) to re-energize the equipment. |  |
| 5 | Notify Employees | Notify affected employees that the servicing or maintenance is completed and the equipment is ready for use. |  |
| 6 | Startup Equipment | Startup equipment and monitor for several operating cycles to ensure it is functioning properly. |  |

**Contact your supervisor or safety department if you have any questions or concerns about the accuracy or effectiveness of this procedure.**