**Equipment Specific Lockout Procedure**

**Wastewater Treatment Pump**

Machine or Equipment Type: #3 Effluent Pump

Location: Basement Main Facility- Treatment ID # 003

Date Procedure Created 12/09/08 Verified By \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date Verified12/12/08

1. Notify all affected employees in the area:

 Plant Operator and personnel in the area.

1. Proper Shutdown Procedure:

Push “Stop” button in Control Room labeled “#3 Effluent Pump”

1. Isolation of Power Sources

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| --- | --- | --- | --- |
| Energy Type | Isolating Device | Location | Procedure |
| 440 voltsElectric | Breaker Labeled “C-5” | MCC 1st Floor | Pull disconnect to the “Open”(Off)position and place personal lockout on handle. |
| Effluent Flow8 PSI | Inlet valve “Yellow” | Right side of Pump #3. | Close by turning “Clockwise” apply Chain and apply tag and lock.  |
| Effluent Flow14 PSI | Outlet valve “Red” | Left side of Pump#3. | Close by turning “Clockwise” apply Chain and apply tag and lock. |

1. Bleeding of Potential Energy

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| --- | --- | --- |
| Energy | Bleed Down Points | Procedure |
| Effluent Water  | Drain cock on volute. | Open and train |
|  |  |  |

1. Blocking of Potential Mechanical Energy

|  |  |  |
| --- | --- | --- |
| Hazard | Equipment Needed | Placement Safety Devices |
| None |   |  |

1. Verification Test

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| --- | --- | --- |
| Lockout to Verify | Controls to try: | Process to verify Lockout  |
| Electrical | Control Room “Stop” “Start” | Push “Start” button in Control Room labeled #3 Effluent Pump, back to “Off” |

All controls must be returned to the “Off” position after the “Verification Test “process.