



## Valve and Operator asset management program

The goal of the MWMS valve and operator asset management program is to maintain consistent progress each month to exercise and service all valves and operators in the distribution system.



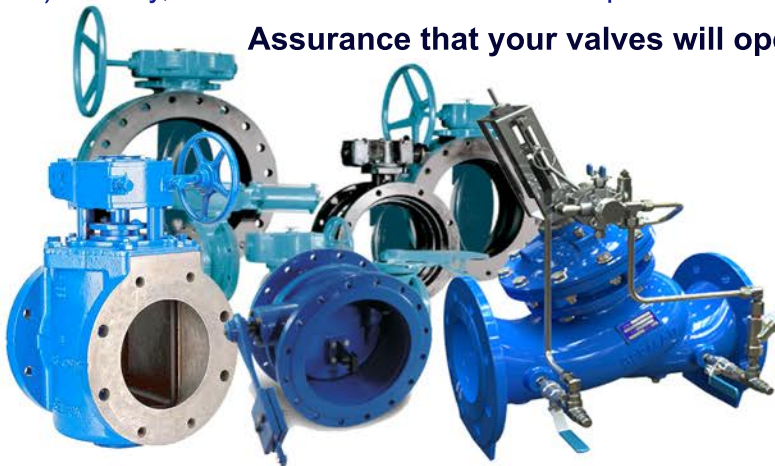
### Extending the Actuator Life Cycle

Given the high demand and harsh Florida weather conditions affecting many water treatment plants, it is especially important that modern water treatment plants utilize actuators that have been periodically OEM serviced to provide dependable control day in and day out without breakdowns.

### Our 12 Point Service assures your Motorized Operators are Working at Peak Performance

- 1). Conduct external visual inspection of all external surfaces including paint finishes, control knobs and valve stems Check and replenish oil level
- 2). Check mounting bolts, nuts, washers and screws for damage and tightness.
- 3). Confirm handwheel is operating correctly and that there is physical movement of the valve.
- 4). Confirm local control works in both directions and check for any signs of deterioration, such as undue motor noise.
- 5). Analyse historic performance data and benchmark against optimum torque profiles.
- 6). Remove terminal cover and check connections for tightness. Check the compartment for water ingress.
- 7). Replace 'O' ring seal. If the actuator is explosion proof inspect the integrity of the flame path
- 8). Remove the motor cover and inspect the motor – check the case for any ingress of moisture.
- 9). Replace 'O' ring. If the actuator is explosion proof, inspect the integrity of the flame path.
- 10). Remove the electrical cover and inspect the compartment – check for any ingress of moisture and check the status of switches, contactors and electrical apparel. Replace 'O' ring. If the actuator is explosion proof, inspect the integrity of the flame path.
- 11). Replace all cover screws – use grease to enable future removal and protect them from corrosion.
- 12). Finally, check both local and remote operation

### Assurance that your valves will operate properly when you need them most



- Locating and mapping all valves in the system
- Recording pertinent information
- Cleaning out valve boxes or vaults
- Operating all valves to ensure they function properly
- Lube and oil replacement (where applicable)
- Rust and scale removal
- Repaint if needed
- Manual operator grease replacement
- Inspect/clean Pilot valves, filters, Solenoid controls, cock valves fittings and supply lines (control valves only)

Most companies profit by selling and replacing as much equipment as possible as often as possible, However, we know that the relationship between our company and the end user should be long term. With that in mind our goals at MWMS are to avoid costly and unnecessary replacements and minimize repair cost by repairing your existing products and improve product performance for years to come.