

## OUR STRENGTHS

- Preventative Maintenance
- Corrective Maintenance
- System Installations
- Emergency Repairs
- Start Up & Commissioning
- On-Site Project Management
- Chemical Inventory Management
- Site Coordination
- General Contracting
- Operator Rotations
- Operator Training / Supervision
- Refurbishment Programs
- Plant Audits / System Surveys
- Controller Maintenance & Repair
- Sensor Maintenance
- Pump/ Accessory Repairs
- Piping Installation
- Equipment Pool Management
- Remote Monitoring Programs

## SPECIALIZED SERVICES

- Softener Services
- Media Change Over
- RO Membrane Cleaning
- RO Membrane Replacement
- Cooling Tower Cleaning
- Sludge Removal
- Sample Collection
- Water Testing
- Passivation Service
- Web Based Monitoring
- Equipment Rentals
- Trial Staffing
- Controls Integration
- Heat Tracing & Insulation

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# Cooling Tower Cleaning Services



- Improves Cooling Efficiently
- Reduces Energy Costs
- Minimizes Legionella Risk
- Protects Productivity
- Removes Waste from System
- Reduces Carbon Footprint
- Maximizes Heat Transfer
- Protects Employees
- Reduces Treatment Chemical Costs

An important part of a cooling water treatment program is maintaining a routine cleaning schedule. Cooling Towers act as air washers, and as such, bring in many contaminants that can drop out in low-flow areas of cooling towers. These contaminants can act as food for biological species, which may contribute to biofilm and a higher risk associated with Legionnaires Disease.

Studies have shown that if a Cooling Tower's water is not cleaned regularly and properly, the Cooling Tower's efficiency will be reduced by 40% - 50%. Such reduced efficiencies mean increased operating costs and may affect production processes and chiller operations.

Twice-a-year cleaning is recommended by the AWT, CDC, CTI and ASHRAE as a routine, scheduled maintenance procedure. OSHA recommends this as one way to reduce the health-related risks from bacteria (like *Legionella*) in cooling towers. We provide documentation to support Risk Management Plan records.

The EquipSolutions Cleaning Team are well trained professionals equipped with state of the art safety and cleaning equipment and use only EPA registered cleaners and chemicals.

Our Procedures include:

- Locking and tagging-out the Cooling Tower
- Setting-up safety gear and harnesses for the cleaning process
- Scraping and removing build-up on all exposed surfaces
- Power-washing all exterior and interior surfaces of the Cooling Tower, including: Basins, Sumps, Fill, Spray Nozzles and associated hardware
- Disinfecting all exterior and interior surfaces of the cooling tower with special chemicals
- Removing and disposing of all non-hazardous solid waste
- Providing Final Inspection Report with before and after digital photographs of critical areas

*Ask for a no obligation scope out and proposal*