For decades, a cooling tower has been a beastly thing to clean. It’s big. It’s nearly always in use. And it’s filled with warm, moist surfaces – ideal for harboring slime, bacteria and debris. But it has to be cleaned.

For starters, dirty cooling water fouls all your water side surfaces. Sediment, scale and slime in the water coats chiller tubes, forcing your equipment to work harder, shortening its life and upping energy costs. Biological growth and dissolved solids – if left unchecked – can destroy the thermal capability of your cooling system.

But there’s a more serious risk to not caring for your cooling tower. A poorly maintained system increases the chance that dangerous bacteria will multiply, leading to a possible outbreak of Legionnaires’ disease.

Legionnaires’ disease – named after the now-infamous 1976 American Legion conference in Philadelphia – is a particularly lethal variety of pneumonia transmitted in airborne water particles. It claimed the lives of 34 conference attendees that summer, and it remains a concern today.

Now, thanks to revolutionary equipment design, tower cleaning is easier and faster than ever – and safe for your tower fill. There’s no reason for your cooling tower water to be less than sparkling clean.

And the same steps that control Legionnaires’ disease bacteria (LDB) will also save money in energy and equipment costs. Follow these tips, based OSHA’s recommendations, for keeping your system safe and clean:

> **INSPECT TOWERS MONTHLY.** Examine surfaces for sediment, scale, and biofilm – commonly known as slime. Overall system cleanliness minimizes the buildup that provides food and shelter for LDB – the slime and scale where they thrive and multiply.

> **CLEAN TOWER BASIN SURFACES REGULARLY.** Clean the basin when slime, scale and sediment are visible. Remove these solids and microorganisms, and you eliminate the bacteria’s food and hiding places. Some of our customers clean monthly to keep ahead of contaminants. Goodway’s powerful

> **Suck It Up:** Dirty water in your cooling tower fouls chillers, drives up energy costs and encourages the growth of harmful bacteria. The TowerVac quickly removes slime, algae and mud from the sides and floor of your basin or sump, saving you money and helping keep your building safe.

**Online Cleaning:** Clean and filter your cooling tower water without having to drain the system or shut it down.

Call Us With Your Dirt: **1-888-333-7467**

www.goodway.com
LOW TEMPERATURES. OSHA recommends water temperatures be kept at or below 20°C (68°F) to minimize LDB colonization.

Call us with questions at 1-888-333-7467 or visit Goodway.com. We're here to help.

Goodway Technologies Corporation
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ROBUST TECHNOLOGY FOR ROUGH DUTIES

TREAT CIRCULATING WATER WITH SCALEBREAK AND A BIOCIDES TO CONTROL LDB. Biocides will effectively kill harmful bacteria. But biocides are only truly effective on LDB that are freely circulating in the water, rather than living in a protective slime or hiding under scale. Goodway’s Scale-Break tackles tough scale, combats corrosion, and battles a buildup of slime and algae so the biocide can do its work.

DRAIN AND CLEAN YOUR SYSTEM AT LEAST TWICE A YEAR. Perform a thorough cleaning after shutdown and again before startup. Also disinfect your system if it has been out of service for an extended period of time.

DON’T FORGET TO CLEAN THE FILL. Goodway’s TFC-100 wages fast and effective war on contaminants in your tower – without damaging your tower fill. Use the TFC-100 to safely inject TowerShine cleaner into every corner of your fill. It foams and expands to clean even hard-to-reach surfaces. Then simply change the machine settings to rinse the deposits away.

MAINTAIN SUMP WATER AT LOW TEMPERATURES. OSHA recommends water temperatures be kept at or below 20°C (68°F) to minimize LDB colonization.

Call us with questions at 1-888-333-7467 or visit Goodway.com. We’re here to help.

AdditionaTips

- Side-arm and dead-leg piping provide a safe haven for bacteria colonization. Eliminate stagnant water areas in your system, or be sure to frequently clean them.
- Use personal protective equipment when cleaning to avoid breathing in contaminated droplets.
- Lower the tower drift rate – use high-efficiency mist eliminators to keep contaminated water droplets from leaving the tower.
- Keep good records. Log books should record inspections and cleanings, water-quality test results, and operation and maintenance procedures.

Goodway’s products are 100% guaranteed. Call us at 1-888-333-7467, or visit us at Goodway.com.

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