

CERTIFICATE OF COMPLETION & REPORT

Section 1: Scope

Project Description: Cooling Tower Disinfection with Basin Cleaning at

Scope of Work:

Addition of Peroxide and Polydial surfactant for disinfection. High pressure wash and clean the inside of the cooling tower basin. Provide removal and proper disposal of the scale, mud, algae and other debris inside the cooling tower.
Vacuum all excess water and debris out before refilling back up with water .

Section 2: Results

Narrative:

Disinfection began prior to basin cleaning. A kill dose of Peroxide was added to the basin of the tower and allowed to circulate through the system for a day. A polydial surfactant was also added at this time to loosen up all deposits and allow the peroxide to fully distribute through the tower.

On the next day, the tower was drained down. The cold-water basin was vacuumed of all collected mud and loose debris that was gathered. All debris was disposed. The surrounding work area was cleaned.

Upon completion, a second pass of peroxide was administered to treat all new water and disinfect any newly exposed areas that may have been missed on the first pass.

A sample of the tower water was taken and set off for Legionella results.

Findings:

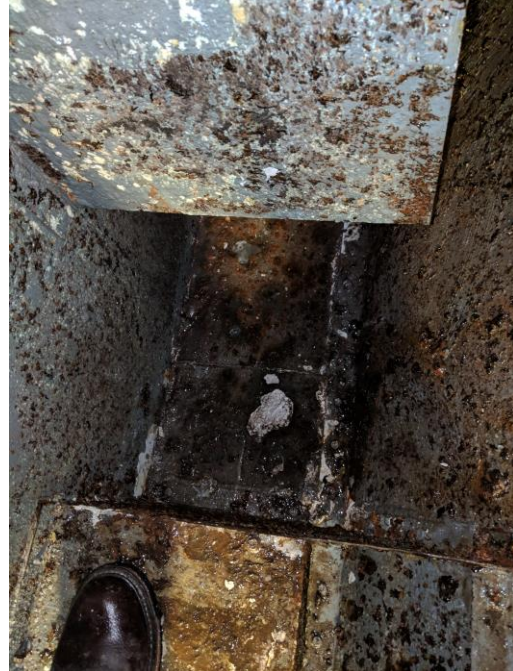
The entire internal of the tower looks to be heavily corroded on most metal surfaces. If coated soon, there should be enough metal left to apply a durable surface.

Media is in good condition on both top and bottom. There is some build-up on both sections and a full clean of the fill inside the tower and the drifts at the top. If treatment is well maintained, there should be no need to replaced the media for at least 2 years.

The intake screen for the pump housing is almost corroded through and will need to be replaced. There is also a decently sized hole on box around the pump intake that should be patched.

Both seals for the tower access need to be replaced.

Section 3: Pictures Before and After



Before and After of the Basin Cleaning



A Couple Views of the Intake Screen Corrosion



Media is in good shape only mild build up apparent.



Several pictures of the heavy corrosion in the tower