

Grand Strand Medical Center North Carolina

HydroPlex Installation



OVERVIEW:

This medical institution's cooling tower required excessive maintenance. Due to its location near beaches and construction, sand and other debris regularly accumulated in the tower basin. The climate encouraged bio-growth and algae posed a constant problem. The chiller suffered significant hard water scale accumulation, which compromised its efficiency during fouling. This required frequent cleaning and scale removal (at least every 3 months).



ACCOMPLISHMENTS:

Despite the naturally sandy surrounding soil environment, high wind factors, and significant construction in the vicinity (all adverse environmental conditions), the Grand Strand tower basin now remains clean and debris free as a consequence of The HydroPlex™. After 45 days of operation, and again after 90 days, the property owner verified that the condenser is completely free of scale. Site examination verified that algae were completely eliminated.